OHM Remediation
Services Corp.
A Subsidiary of OHM Corporation

April 21, 1997 17499

Mr. Kevin Thomas
AFCEE/ERB
3207 North Road
Brooks AFB, TX 78235-5363

Re: Contract No. F41624-94-D-8106, Delivery Order No. 0006, Plattsburgh AFB, New York
Final Closure Report For the Removal of Underground Storage Tanks, Oil/water Separators, Septic Tanks & Aboveground Storage Tanks,
CDRL A030, Document Control No. D006046

Dear Kevin:

Enclosed is OHM Remediation Services Corp.'s (OHM's) submission of the Final Closure Report for Delivery Order 06. This submission satisfies the requirements for the above-referenced Contract Data Requirements List (CDRL). Distribution of copies to regulatory officials will be coordinated with Dave Farnsworth (AFBCA/DA).

Sincerely,

Kenneth W. Kukkonen

Kenneth W. Kukkonen, P.E.
Senior Project Manager

pc: HSC/PKVCC (LT)
AFCEE/ERS (LT)
DCMAO (LT)
AFCEE/DA (1 copy)
AFBCA/DA (1 copy bound, 1 copy unbound)
J. Green, OHM-Pleasanton, CA
OHM Project 17499

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OHM Remediation
Services Corp.
A Subsidiary of OHM Corporation

April 17, 1997

Mr. Joseph Szot, AFCEE Field Engineer
AFCEE/DAP
426 US Oval, Suite 2210
Plattsburgh, NY 12903

RE: Contract No. F41624-94-D-8106
Delivery Order No. 0006
Plattsburgh Air Force Base, New York
Comment Responses - Advance copy of Volume 1 DO 6 Closure Report

Dear Joe:

The purpose of this letter is to respond to the additional two comments provided by David Farnsworth in the 2-way Memo addressed to you on 04/10/96. Both comments refer back to original AFBCA comments (see attached) and have been discussed with Mr. Farnsworth.

Comment 1A: Comments #6 & 17: Soil was removed from inside of OWS-3400 (I have the HW manifest!); thus there should be 3 sites (not 2) referenced.

Response: "Soil" inside the OWS is appropriately addressed in the section of text which discussed disposal of tank and structure contents. Soil from around the OWS was used to backfill the excavation. No further revision to the text is required.

Comment 1B: Comment 13: Need to explain rationale for AFCEE directive (SIGNS OF CONTAMINATION!). We excavated/sampled at AST-2551A&B/AST-2553!

Response: OHM's response to comment #13 has been revised to reflect the rationale for sampling septic tank and AST excavations, and the fact that excavation and subsequent sampling had been conducted under the three 10,000-gallon USTs removed from the containment dike southeast of Building 2554. The Volume 1 text has also been appropriately revised.

Please contact me at (508) 497-6130 with any further questions or comments.

Sincerely,
OHM REMEDIATION SERVICES CORP.

Kelly Fagan /FOR
Michael G. Quinlan
Senior Project Chemist

Enclosures
pc: Kevin Thomas, AFCEE/ERB (LT)
Ken Kukkonen, OHM (LT)
OHM Project 17499

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REVISED RESPONSES TO AFBCA/DA COMMENTS
ADVANCE COPY OF VOLUME I OF CLOSURE REPORT FOR DO 0006
PLATTSBURGH AFB, NY

Comment 1: Table of Contents not clear/layout is confusing - acronyms and abbreviations not found.

Response: *The Table of Contents (TOC) has been reorganized to minimize confusion. The list of acronyms and abbreviations has been added to the TOC. The amended TOC is attached for reference purposes.*

Comment 2: Executive Summary (Pg E-1): First 2 paragraphs should be deleted.

Response: *The first two paragraphs in the Executive Summary have been deleted as requested.*

Comment 3: Pg E-1, Para 2: Control of the property has not been transferred to PARC.

Response: *This reference has been deleted in the Executive Summary, however PARC's role will be clarified in Section 1 (see Response to Comment 8).*

Comment 4: Pg E-1, Para 4: Basewide Environmental Baseline Survey was performed by Tetra Tech, Inc.

Response: *The sentence has been changed to reflect this point.*

Comment 5: Pg E-1, Para 4: Tank numbers (ID) is also based on the 1996/1997 New York State Petroleum License Inventory.

Response: *This information has been added to the text.*

Comment 6: Pg E-2, Para 1: Need to identify number of sites and why the soil was shipped off site.

Response: *Soil excavated at two sites were shipped off-site for disposal because the material was hazardous or not conducive to bioremediation. This information has been added to the text.*

Comment 7: Pg E-2, Para 3: Need to give source/basis for 170 sites (Table 4?). Review of Table 4 indicates there are more than 37 sites with exceedences.

Response: *The number 170 will be changed to 148 in the text to reflect the total number of sites. The statement that 37 of the sites contained exceedences will be changed to 38. As stated on Pg E-2, Para 3, exceedences were based on comparison of the final (most recent) confirmation sample data to the cleanup criteria.*

Comment 8: Pg 1-1, Sect. 1.1:

a) Base acreage is 3,447 acres.

b) Control of property has not been transferred to PARC.

c) At the bottom of Section 1-1, insert the following: "The closure/cleanup of the USTs, ASTs and OWSs are subject to the Resource Conservation and Recovery Act (RCRA)

the sites contained compounds at concentrations above cleanup criteria will be changed to 38. The number sites at which soil and groundwater concentrations exceed cleanup criteria has been changed from 19 and 26 to 20 and 25, respectively, on pages E-2, 2-5, and 4-1. Some of these 38 sites have both soil and groundwater sample results indicating compound concentrations above cleanup criteria.

Comment 22: Pg 4-1, Para 3: Typo "qaulified".

Response: *This typographical error (and any others) will be corrected.*

Comment 23: Table 1: Basis of soil volume should be explained (in the footnotes?), should reverify with individual site records (some sites don't appear to reflect removal of pavement). Totaling of soil volume would also be useful.

Response: *Tables 1 and 2 are footnoted to indicate the basis for soil volume. Soil volume in these tables has been totaled as requested.*

Comment 24: Table 4: Site numbers don't track with narrative discussions (see previous comments UST-2558-B, an OWS from 2763 and UST-1806 (part of 1809) are missing), should recheck to see if others are missing.

Response: *Table 4 (now Sample Matrix 1) has been reviewed and modified so that site numbers in the Matrix match the narrative discussion. The format has also been modified for sites which contain more than one tank (i.e., USTs 2555/2558).*

Comment 25: Table 10: There are some very high hits (3/5/96, 3/14/96, **5/17/96** and others), do these need to be explained some where, have these hits substantially effected some of the actual analytical results from the respective time frames?

Response: *Blank results from 3/5/96 and 3/14/96 are all below the laboratory PQL. Sample results associated with these blanks were appropriately qualified with a "B". The "blank" results for 5/17/96 actually represent results of a blank spike which was inadvertently identified as a blank. The blank spike has been deleted from Table 10 (now Blank Matrix 4).*

Comment 26: Figure 1: 9100 area site not shown.

Response: *This site is not located on the Base. Site 9100 is referenced in Figures 5 and 9.*

Comment 27: Figure 3: Need to recheck exploratory points for USTs 732/742.

Response: *The exploratory points for USTs 732/742 has been corrected on Figure 3.*

Comment 28: Figure 6: AST-701 was in the basement.

Response: *Figure 6 has been modified to show the correct location of AST-701.*

Comment 29: Appendices (General): An appendix sub-index/page numbering may be appropriate (a

summary of what is contained in the respective appendix).

Response: *A sub-index will be provided to clarify the contents of the appendices.*

Comment 30: Appendix B: Appears to be a lot of stuff not related to soil disposition - do we need this section?

Response: *See response to Comment 16. Information pertaining to final disposition of soil should be left in the report.*

Comment 31: Appendix C: A summary (and index of HW manifests (BOLs for asbestos) is appropriate to explain what wastes were generated/how disposed and a note that completed manifests and certificates of destruction are being maintained at ----.

- Should show the completed manifests (can obtain from us).

Response: *A sub-index has been incorporated to clarify the contents of the Appendices. Complete manifests have been obtained from AFBCA for inclusion in the Final Report.*

Comment 32: Appendix D: Date of sampling summary letter is wrong (should be 1997?).

Response: *The date of the letter has been corrected.*

Comment 33: Appendix F: 18 Sept 96 WPI letter (and any other correspondence pertaining to AFCEE inspection/evaluation of laboratory/analytical data and associated findings) should be included.

Response: *The WPI letter and any other appropriate correspondence have been added to Appendix F.*

OHM Remediation Services Corp.
A Subsidiary of OHM Corporation

FINAL CLOSURE REPORT FOR THE REMOVAL OF UNDERGROUND STORAGE TANKS, OIL/WATER SEPARATORS, SEPTIC TANKS & ABOVEGROUND STORAGE TANKS AT PLATTSBURGH AIR FORCE BASE PLATTSBURGH, NEW YORK (VOLUME 1)

CONTRACT NO. F41624-94-D-8106
DELIVERY ORDER 0006
CDRL A030
DOCUMENT CONTROL NO. D006046

Submitted to:

Air Force Center for Environmental Excellence
Brooks Air Force Base
San Antonio, Texas

Submitted by:

OHM Remediation Services Corp.
5731 West Las Positas Boulevard
Pleasanton, CA 94588

Kenneth W. Kukkonen

Kenneth W. Kukkonen, P.E.
Senior Project Manager

April 14, 1997
Revision 00
OHM Project 17499

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ACRONYMS AND ABBREVIATIONS

ACM	Asbestos Containing Materials
AFBCA	Air Force Base Conversion Agency
AFCEE	Air Force Center for Environmental Excellence
AST	Aboveground Storage Tank
BTEX	Benzene, Toluene, Ethylbenzene and Xylenes
BX	Base Exchange
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CQAR	Chemical Quality Assurance Report
CTM	CTM Analytical Laboratory
DO	Delivery Order
DOD	Department of Defense
ESAP	Environmental Sampling and Analysis Plan
ESS	Environmental Science Services Laboratory
FFA	Federal Facilities Agreement
IRP	Installation Restoration Program
ITS	Inchcape Testing Services Laboratory
LF	Landfill
MDL	Method Detection Limit
MTBE	Methyl-tert-butyl ether
NPL	National Priorities List
NYSDEC	New York State Department of Environmental Conservation
OHM	OHM Remediation Services Corporation
OHMAD	OHM Analytical Division
OWS	Oil/Water Separator

PAFB	Plattsburgh Air Force Base
PAH	Polynuclear Aromatic Hydrocarbon
PARC	Plattsburgh Air Base Redevelopment Corporation
PCB	Polychlorinated biphenyls
PID	Photoionization Detector
POTW	Public Owned Treatment Works
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
SFE	Supercritical Fluid Extraction
SOP	Standard Operating Procedure
SPE	Solid Phase Extraction
STARS	Spill Technology and Remediation Series
SVOC	Semivolatile Organic Compound
TAGM	Technical and Administrative Guidance Memo
TCE	Trichloroethylene
TCLP	Toxicity Characteristic Leaching Procedure
TOGS	Technical Operational Guidance Series
URS	URS Consultants, Inc.
USACE	United States Army Corps of Engineers
USAF	United States Air Force
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOC	Volatile Organic Compound

EXECUTIVE SUMMARY

The Air Force Center for Environmental Excellence (AFCEE) contracted OHM Remediation Services Corp (OHM) to remove underground storage tanks (USTs), oil/water separators (OWSs), aboveground storage tanks (ASTs), and septic tanks at various locations at Plattsburgh Air Force Base (PAFB). OHM teamed with Parsons Engineering Science, Inc. (Parsons ES) to perform the work under this DO. The work was conducted under Federal Contract No. F41624-94-D-8106, Delivery Order (DO) 006 in accordance with project-specific work plans. The work plans were based on NYSDEC and AFCEE Guidance Documents. The purpose of this six-volume document is to present the procedures and protocols followed for removal activities conducted under this DO. Individual closure reports are provided for each removal or exploratory excavation.

The original scope of work included the removal of 89 USTs, 14 OWSs and 18 ASTs. Exploratory excavations and additional removals were added by AFCEE under modifications to the original scope. Ultimately, OHM removed 103 USTs, 14 OWSs, 1 acid neutralization basin, 19 ASTs, and 3 septic tanks, and conducted 52 exploratory excavations. The USTs and ASTs were formerly used for storage of petroleum products, primarily diesel fuel, fuel oil, and gasoline. Several tanks were also used to store JP-4, ethylene glycol, waste oil or hydraulic oil. Each tank or structure has been assigned a unique identification number based on the Basewide Environmental Baseline Survey prepared by Tetra Tech, Inc., in September 1994 and the 1996/1997 New York State Petroleum License Inventory. AFCEE prioritized the removals of existing tanks, and directed OHM to conduct several magnetometer surveys in an attempt to locate others. Exploratory excavations were conducted based on survey results to locate and remove existing tanks, and verify which tanks were previously removed.

Typically, removals were conducted using backhoes and excavators. Confirmation soil and groundwater samples were collected subsequent to excavation activities to determine if applicable NYSDEC cleanup goals had been attained. Samples were analyzed for select volatile organic compounds (VOCs) and polynuclear aromatic hydrocarbons (PAHs) per the NYSDEC STARS MEMO # 1 Guidance document. Geoprobe investigations and monitoring well sampling was performed at several sites to further assess the areal extent of contamination. Sampling and analytical data for each site were presented to AFCEE in draft closure reports. AFCEE directed OHM to backfill or continue the removal action on a site-by-site basis based on their joint review with the NYSDEC.

Quality assurance/quality control procedures were implemented in both the field and laboratory to provide a check on sample collection and analytical procedures. Analytical data were appropriately qualified based on the results of the QA/QC activities.

Virgin fuel was pumped from tanks and shipped off site for reuse. OWS contents were characterized and shipped off site under a Bill of Lading or Hazardous Waste Manifest as appropriate. Septic tank contents were taken to the local public owned treatment works (POTW) for treatment. Rinse water from tank decontamination activities was collected and transported to a treatment and recycling facility as a hazardous waste. The majority of excavated soil was transported to a temporary storage cell and subsequently placed into a landfarm on Base for bioremediation. Approximately 15,366 cubic yards (cy) of excavatated soil was kept on site for bioremediation. Some soil was reused as backfill. Soil excavated at two sites was shipped off site for disposal because the material was either characterized as hazardous or was not conducive to bioremediation.

Imported borrow material from several sources was used to backfill excavations. Samples of the borrow material were analyzed for full TCLP constituents prior to using as backfill. Additional site restoration consisted of providing a covering layer of topsoil, followed by seeding and mulching for grassy areas, and asphalt repair as appropriate.

At most of the sites, contamination was not identified, as indicated by visual observation and analytical testing. Additional excavation was conducted at several sites based on results exceeding cleanup criteria. Only a few sites had widespread contamination which prompted additional investigations. Final confirmation sample results from 38 of the 148 sites, where samples were collected, indicated the presence of one or more targeted compounds above cleanup goals. Cleanup goal exceedances were seen in soil samples at 20 of the sites and in groundwater samples at 25 of the sites. All decisions regarding the closure of each removal site was made by AFCEE based on joint AFCEE/NYSDEC review of draft closure reports.

OHM was successful in meeting the objectives of the DO. Work was conducted in accordance with work plans, AFCEE directives, and regulatory guidelines. The data produced during the removal activities are of good quality. The removal of the tanks and associated contaminated soil resulted in minimizing potential adverse impacts to environmental receptors at the Base.

1.0 INTRODUCTION

The Air Force Center for Environmental Excellence (AFCEE) contracted OHM Remediation Services Corp (OHM) to remove underground storage tanks (USTs), oil/water separators (OWSs), aboveground storage tanks (ASTs), and septic tanks at various locations across Plattsburgh Air Force Base (PAFB). The work was conducted under Contract F41624-94-D-8106, Delivery Order 006 in accordance with the project-specific work plans and NYSDEC Guidance documents referenced in Section 1.5. OHM teamed with Parsons Engineering Science (Parsons ES) to perform the work under this DO.

1.1 Base History and Background

PAFB is located in northeastern New York State (Figure 1). PAFB is 3,447 acres in size and is bordered by Lake Champlain to the northeast, lakeshore communities to the southeast, the City of Plattsburgh to the north, the Salmon River and agricultural land to the south, and Interstate 87 to the west. A military facility has existed in the area since 1812, when Camp Saranac was established with temporary facilities for 8,000 troops. PAFB is divided into two distinct areas, commonly referred to as the "Old Base" and the "New Base". The Old Base and New Base are separated by Route 9. Construction of stone barracks on the Old Base began in 1837. Construction of the New Base area of PAFB began in 1954. The Base was officially closed by the DOD on September 30, 1995, at which time the Plattsburgh Air Base Redevelopment Committee (PARC) was contracted to maintain and help facilitate redevelopment of Base property.

Remedial investigations and site remediation have, and continue to be, performed at PAFB as part of the Department of Defense (DOD) Installation Restoration Program (IRP). The IRP was developed as a component of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended by the 1986 Superfund Amendments and Reauthorization Act (SARA).

On November 21, 1989, PAFB was placed on the National Priorities List (NPL) by the United States Environmental Protection Agency (USEPA). On September 21, 1991, the United States Air Force (USAF) entered into an interagency Federal Facilities Agreement (FFA) (Docket No: 11-CERCLA-FFA-10201) with the USEPA and New York State Department of Environmental Conservation (NYSDEC) in order to implement the IRP at PAFB.

The closure/cleanup of the USTs, ASTs, and OWSs are subject to the Resource Conservation and Recovery Act (RCRA) with oversight being provided by the New York State Department of Environmental Conservation (NYSDEC) Region V Spill Response Office.

1.2 Site Conditions

Most of the land on PAFB consists of a nearly featureless plain that slopes gently east toward Lake Champlain. The southwest portion of the Base slopes to the Salmon River and includes a small tributary stream. The northwest portion slopes toward the Saranac River. Elevations on the Base range from 95 feet above mean sea level along the Lake Champlain shoreline at Plattsburgh Barracks, to approximately 270 feet in the northwest portion of the Base.

The surficial unconsolidated deposits in the region consist of sand, silt, and clay that form an unconfined aquifer overlying glacial till. Sand and gravel deposits occur along the Salmon and Saranac rivers. The underlying glacial till consists of sandy till and clayey till; both units consist of poorly sorted sand, silt, clay, gravel and boulders. The clayey till is considered to be a leaky confining unit. Limestone and dolomite with interbedded layers of sandstone and shale form the bedrock underlying the confining layer (Fisher 1968).

Groundwater flow within the bedrock is generally to the east toward Lake Champlain. Groundwater supplies, mainly for domestic use, are withdrawn from the shallow aquifer.

1.3 Site Tankage and Storage

Tankage of various types, including USTs, OWSs, septic tanks, and ASTs are located throughout PAFB. Each tank or structure has been assigned a unique ID number based on the identifications provided in the Basewide Environmental Baseline Survey prepared by Tetra Tech, Inc., dated September 1994. Tank numbers were modified/updated by Air Force Base Conversion Agency (AFBCA) personnel based on the 1996/1997 New York State Petroleum License Tank Inventory.

The USTs and ASTs were used to store petroleum products, primarily diesel fuel, fuel oil, and gasoline. Several tanks were also used for JP-4, ethylene glycol (deicing fluid), waste oil, or hydraulic oil storage. The tanks ranged in size from 270 gallons to 25,000 gallons; typical diesel tanks had a 1,000-gallon capacity, typical gasoline tanks had a 3,000-gallon capacity, and most fuel oil tanks had an approximate 500-gallon capacity. Table 1 provides a summary of the UST removals and exploratory excavations conducted by OHM.

The OWSs were associated with various facilities around the Base and ranged in size from 250-gallon to 2,000-gallon capacity. The acid neutralization tank had a capacity of 1,000 gallons. Three septic tanks, ranging between 550 and 7,500 gallons, were also removed at three separate locations on the New Base. Table 2 provides a summary of the OWSs (including an acid neutralization tank), ASTs, and septic tanks removed by OHM.

1.4 Purpose and Organization of Document

The purpose of this document is to present the closure reports for the tanks or storage structures removed by OHM under DO 006. The document is divided into six volumes. Volume 1 consists of background information on the project, including the type of removal/excavation, procedures employed, and quality assurance/quality control (QA/QC) of samples collected. Tables which summarize the removals and list cleanup criteria are included, as are matrices which summarize sampling and analysis data. Figures which present the tank or structure locations are also provided.

Volumes 2A through 2D present the closure reports for the USTs removed and exploratory excavations conducted under this contract. Volume 3 consists of the closure reports for the OWSs, ASTs, and septic tanks removed by OHM. Each of these closure report volumes contain only the Figures for the sites specific to that volume. A full table of contents is provided with each volume. Closure certification statements are provided with each set of closure reports to certify that the work provided in the reports was conducted in accordance with the work plans and AFCEE directives. The statements are stamped by a Professional Engineer licensed in New York State.

The individual closure reports consist of a summary of the work performed, site conditions, and confirmation sample results. Specific Sampling and Analysis Site Reports are provided as attachments to the individual closure reports. The Sampling and Analysis Site Reports are organized starting with the most recent sampling event first, per AFCEE direction.

1.5 References

OHM used the following references for preparation of this report and the removal actions described herein:

Fisher, D. W. 1968. Geology of the Plattsburgh and Rouse's Point, New York - Vermont Quadrangles: New York State Museum and Science Service, Map and Chart Series Number 10. Albany: New York State Museum.

NYSDEC, August 1992. Spill Technology and Remediation Series (STARS) Memo #1, Petroleum-Contaminated Soil Guidance Policy.

NYSDEC, October 1993. Technical Operational Guidance Series (TOGS) 1.1.1, NYSDEC Ambient Water Quality Standards and Guidance Values.

NYSDEC, January 1994. Technical and Administrative Guidance Memo (TAGM) HWR-94-4046, NYSDEC Soil Cleanup Objectives and Cleanup Levels.

OHM Remediation Services Corp, January 1995. OHM Nationwide Environmental Sampling and Analysis Plan for AFCEE. (Contract No. F41624-94-D-8106, Delivery Order 001).

OHM Remediation Services Corp, January 1996. Final Construction Quality Plan for Remedial Actions at Landfills LF-022 and LF-023, Removal of Underground and Aboveground Storage Tanks, and Removal of Oil and Water Separators, Plattsburgh Air Force Base, Plattsburgh, New York. Revision 01. (Contract No. F41624-94-D-8106, Delivery Order 006, CRDL A003, Document Control No. D006016). (CQP)

OHM Remediation Services Corp, January 1996. Final Site-Specific Environmental Health and Safety Plan for the Post-Closure Monitoring and Operations at Landfills LF-022 and LF-023, Removal of Underground and Aboveground Storage Tanks, and Removal of Oil and Water Separators, Plattsburgh Air Force Base, Plattsburgh, New York. Revision 01. (Contract No. F41624-94-D-8106, Delivery Order 006, CRDL A001, Document Control No. D006001). (HSP)

OHM Remediation Services Corp, January 1996. Final Environmental Cleanup Plan for Underground and Aboveground Storage Tank (UST and AST) Removal, Plattsburgh Air Force Base, Plattsburgh, New York. Revision 01. (Contract No. F41624-94-D-8106, Delivery Order 006, CRDL A007, Document Control No. D006015). (ECP)

OHM Remediation Services Corp, February 1996. Final Environmental Cleanup Plan for Oil and Water Separator (OWS) Removal, Plattsburgh Air Force Base, Plattsburgh, New York. Revision 01. (Contract No. F41624-94-D-8106, Delivery Order 006, CRDL A006, Document Control No. D006014). (ECP)

OHM Remediation Services Corp, March 1996. Final Environmental Sampling and Analysis Plan for the Post-Closure Monitoring and Operations at Landfills LF-022 and LF-023, Removal of Underground and Aboveground Storage Tanks, and Removal of Oil and Water Separators, Plattsburgh Air Force Base, Plattsburgh, New York. Revision 02. (Contract No. F41624-94-D-8106, Delivery Order 006, CRDL A002, Document Control No. D006017). (ESAP)

OHM Remediation Services Corp, March 1996. Final Site-Specific Quality Assurance Project Plan for Remedial Actions at Landfills LF-022 and LF-023, Removal of Underground and Aboveground Storage Tanks, and Removal of Oil and Water Separators, Plattsburgh Air Force Base, Plattsburgh, New York. Revision 02. (Contract No. F41624-94-D-8106, Delivery Order 006, CRDL A002, Document Control No. D006018. (QAPP)

Tetra Tech, Inc., September 1994. Basewide Environmental Baseline Survey, Plattsburgh Air Force Base, New York.

The Environmental Cleanup Plans are considered the "Work Plans" for the removal actions described in this report. Additional written and verbal guidance was provided by both on-site and off-site AFCEE representatives during the course of the project.

2.0 REMOVAL OF USTs, OWSs, SEPTIC TANKS & ASTs

This section of the report discusses the general procedures and protocols followed by OHM for removal of the 103 USTs, 14 OWSs, 1 acid neutralization basin, 19 ASTs, and 3 septic tanks, and for the 52 exploratory excavations conducted at PAFB under Delivery Order 006. Exploratory excavations are those sites where no UST was uncovered during excavation.

2.1 Guidance Documents and Cleanup Goals

The removals and excavations were conducted in accordance with the requirements of the NYSDEC Petroleum-Contaminated Soil Guidance Policy (STARS Memo #1) and OHM's Work Plans referenced in Section 1.5. Cleanup criteria for targeted compounds was dependent on contaminant type and sample matrix as follows:

Contaminant Type	Matrix	Cleanup Criteria	Guidance Document
Petroleum	soil	TCLP Alternative Guidance Values	1
Non-Petroleum	soil	Recommended Soil Cleanup Objectives	2
All	water	Ambient Water Quality Standards - Class GA	3

Guidance Documents:

1 NYSDEC, 1992. STARS Memo #1.
2 NYSDEC, 1994. TAGM HWR-94-4046.
3 NYSDEC, 1993. TOGS 1.1.1.

The targeted contaminants of concern during removal of petroleum-related structures and tanks were benzene, toluene, ethylbenzene, and xylenes (BTEX), and fifteen (15) polynuclear aromatic hydrocarbons (PAHs). Methyl-tert-butyl ether (MTBE) was also targeted during the removal of tanks that stored, or potentially stored, gasoline. Trichloroethylene (TCE) was targeted during the removal of OWSs and waste oil tanks due to the historic use of degreasing agents on the Base. Cleanup goals for contaminants of concern are provided in Table 3.

2.2 Tank and Structure Removals

The removal of the tanks and structures began in November 1995 and continued into February 1997. AFCEE prioritized the sites and established the sequence of removal actions. The original scope of work included the removal of 89 USTs, 14 OWSs, and 18 ASTs. Exploratory excavations and additional removals were added by AFCEE as modifications to the original scope. The purpose of the exploratory excavations was to determine whether USTs were present, or if they had been previously removed. A work clearance request was approved by PARC for the excavations to inform OHM of utility and obstruction locations. OHM performed magnetometer surveys to determine where to conduct the exploratory excavations. The results of the magnetometer surveys are provided in Appendix A. If a UST was discovered during the exploratory excavation, it was removed and the site status changed from "exploratory excavation" to removal action.

OHM used standard equipment such as backhoes and excavators to remove the structures from the subsurface. Removals were conducted by carefully excavating soil to uncover the top of the UST, followed by removal of soil from around the sides until the UST could be pulled. Air monitoring was conducted using a photoionization

detector (PID) instrument during excavation. The tanks were removed by attaching straps or cables from the excavator to a manway or flange. Typically, soil was staged next to the excavation and covered with polyethylene sheeting. Piping was also removed to the extent possible, with any remaining lines grouted in place. Piping associated with USTs at the Military Family Housing units were removed at the furnaces within the housing units.

A PID instrument was used to perform headspace screening on soil samples collected from the bottom and sidewalls of each excavation. This data was used to assess the potential for contamination of the subsurface. Standard operating procedure was initially as follows during the first month of work (late November and December 1995):

Soil samples were collected from the bottom and each sidewall of the excavation for headspace analysis. If a positive PID measurement was obtained, then excavation was conducted in the direction of the positive reading and a composite sample was collected from the remaining portions of the excavation for VOC and PAH analysis. The remaining section of the excavation was sampled when PID readings indicated no detectable concentrations of photoionizable vapors. If no positive PID readings were detected, then one composite soil sample was collected from the excavation bottom and sidewalls.

If groundwater was encountered, a grab sample was collected for analysis of VOCs and PAHs in the on-site laboratory.

The field and laboratory data were submitted to AFCEE on a case-by-case basis for their review.

AFCEE submitted the reports for review by Art Stemp from the NYSDEC, who provided AFCEE direction regarding continued excavation or closure.

To expedite the work, AFCEE modified this procedure in January 1996. At that time, OHM developed a flow diagram showing the decision matrix to be followed during removal actions and submitted it to AFCEE. Both the Air Force and NYSDEC reviewed OHM's procedures and developed some modifications which were verbally communicated to OHM. A copy of the diagram is included in this report as Figure 10. The decision criteria and sampling frequency discussed above was modified to include the following:

If PID headspace results were less than 20 ppm for the bottom and sidewall samples, then one composite sample, consisting of soil from the bottom and sidewalls of the excavation, was collected. However, if PID results were greater than 20 ppm, excavation would continue in the appropriate direction until PID readings less than 20 ppm were obtained. Once the 20 ppm PID level was obtained throughout the excavation, then one composite sample would be collected, consisting of soil from the bottom and sidewalls of the excavation.

Shortly after the new procedure was implemented, AFCEE authorized OHM to continue excavation of contaminated soil (>20 ppm headspace) until the excavation doubled in size. If contamination was still present at this time, OHM would prepare a map of the excavation with the locations and PID reading of soil headspace samples. Groundwater was sampled whenever encountered; however, the collection of soil samples from the sidewalls was dependent on the depth of groundwater in the excavation. AFCEE directed OHM not to excavate below groundwater. In general, if the level of groundwater in the excavation was lower than a third of the way up the sidewalls, then a soil sample was obtained from the sidewalls. AFCEE and NYSDEC review continued on a case-by-case as previously described.

2.3 Sampling and Analytical Procedures

The majority of the work entailed tank removal or exploratory excavation followed by sample collection and analysis. However, several sites required completion of Geoprobe investigatory borings to gather additional

analytical data and define the areal extent of contamination. Existing monitoring wells were also sampled at the Former BX gas station (Building 2335) and the Central Heat Plant (Building 2658) to further assess groundwater quality in these areas.

2.3.1 Sampling Procedures

In general, confirmation composite samples were collected from each excavation subsequent to removal (or exploratory) activities. Samples were often obtained using the backhoe bucket which minimized the need for sampling personnel to enter the excavation. However, a hand auger or shovel was also used for collecting soil samples from shallow excavations. Soil samples were collected from 6 inches beneath the excavation surface per STARS Memo #1. In addition, sidewall soil samples were located at the bottom one-third of the excavation. The decision to excavate further or backfill was made by AFCEE based on their review of sampling and analytical data with the NYSDEC. No environmental samples were required for AST or septic tank removals; however, soil samples were collected from the Septic Tank 3578 excavation and the excavation under the three 10,000-gallon USTs removed from the containment dike southeast of Building 2554. Excavation was conducted at the location of the ASTs to remove the containment dike. Samples were collected at these two locations per AFCEE direction due to signs of contamination present during excavation.

In most cases, a multi-point composite sample was collected from the excavated soil stockpile to determine final disposition of the material. Samples were collected a minimum of six inches below the surface of the stockpile using a hand auger or shovel. If obvious signs of contamination were present (i.e. soil staining, elevated headspace measurements and/or hydrocarbon odors), the material was transferred to an on-site treatment cell for bioremediation, without collecting a sample. Refer to Section 2.5 for additional information on excavated soil disposition.

If groundwater was present at the time of the removal, a grab sample of the groundwater was collected. In several locations, groundwater seeped into the excavation over time and was collected at a later date.

2.3.2 Analytical Procedures

Samples collected from petroleum-related UST and exploratory excavations were analyzed for select VOCs and PAHs by EPA Methods 8021 and 8270, respectively, in accordance with the STARS Memo #1. The list of target VOCs depended on the contents of the tank. BTEX compounds were targeted for all excavations regardless of tank or structure contents. Gasoline UST excavation samples were also analyzed for MTBE. Waste oil USTs and OWS excavation samples were also analyzed for MTBE and TCE, due to the unknown contents of these structures.

The majority of the analyses were conducted by OHM's on-site laboratory with samples split to an off-site laboratory at a frequency of 10% of the samples collected. Samples were also shipped off site when problems were encountered in the on-site laboratory and subsequent to shutdown in October 1996. Split samples were initially shipped to E3I located in Somerville, Massachusetts, and subsequently shipped to Environmental Science Services (ESS) located in Cranston, Rhode Island. E3I was replaced by OHM as the designated QA laboratory after they experienced problems completing the VOC analyses. Other laboratories used for analysis of specific samples include Inchcape Testing Services (ITS), Colchester, VT; CTM Laboratory, Latham, NY; Premier Laboratory (formerly Laboratory Resources, Inc.), Brooklyn, CT; and the OHM Analytical Division (OHMAD) laboratory, located in Findlay, Ohio. Extended lists of VOCs and SVOCs were often provided at no additional cost by the fixed base laboratories.

An initial characterization sample was collected from each OWS excavation following OWS removal. These samples were analyzed at an off-site laboratory for the eight RCRA metals, pesticides and PCBs to determine the presence of additional contaminants.

No soil or groundwater sampling and analysis was required for AST and septic tank removals, with the exception of one of the septic tanks (SPT-3578) where soil samples were collected based on visual staining and AFCEE direction. The contents of the septic tank were analyzed off site for VOCs by EPA Method 503.1 in order to satisfy disposal facility (Plattsburgh Water Pollution Control Plant) requirements.

2.4 Analytical Results Summary

A comprehensive qualitative summary of VOC and PAH results for excavation and Geoprobe samples (soil and water), collected from all sites, is included in Sample Matrix 1 and 2, respectively. Sample Matrix 3 provides a quantitative summary of results that exceed cleanup criteria for trench and Geoprobe samples, respectively. Results of samples collected from several sites indicate the presence of target compounds in excess of cleanup criteria. A summary of the final confirmation samples which exceed cleanup criteria are summarized as follows:

UST-102 - four PAHs exceed cleanup goals in east sidewall composite soil sample.
UST-177 - two PAHs exceed cleanup goals in excavation composite soil sample.
UST-200B-A - six PAHs exceed cleanup goals in excavation composite soil sample.
UST-201B-A - one PAH exceeds cleanup goals in excavation composite soil sample.
UST-204A-A - six PAHs exceed cleanup goals in excavation composite soil sample, and four PAHs exceed cleanup goals in excavation groundwater sample.
UST-208B-B-2 - four PAHs exceed cleanup goals in excavation composite soil sample, and one VOC exceeds cleanup goal in excavation groundwater sample.
UST-212B-A - one VOC exceeds the cleanup goal in excavation groundwater sample.
UST-213B-B-2 - three PAHs and one VOC exceed cleanup goals in excavation groundwater sample.
UST-217B-B-2 - one PAH exceeds cleanup goals in the excavation groundwater sample.
UST-221A-A - five PAHs and one VOC exceed cleanup goals in excavation groundwater sample.
UST-229B-B-2 - one PAH exceeds the cleanup goal in excavation groundwater sample.
UST-237B-A - one PAH and two VOCs exceed cleanup goals in excavation groundwater sample.
UST-241A-B-2 - four VOCs exceed cleanup goals in excavation groundwater sample.
UST-426-A - seven PAHs exceed cleanup goals in excavation composite soil sample, and one VOC exceeds the cleanup goal in the excavation groundwater sample.
UST-509-A & OWS-509 - ten PAHs exceed cleanup goals in excavation composite soil sample.
UST-844A-A - one PAH exceeds the cleanup goal in excavation composite soil sample.
UST-851B-A - seven PAHs exceed the cleanup goal in excavation composite soil sample.
UST-875A-A - two PAHs exceed the cleanup goals in excavation groundwater sample.
UST-900B-A - four PAHs exceed the cleanup goals in excavation groundwater sample.
UST-932B-A - two PAHs exceed the cleanup goals in excavation composite soil sample.
UST-948-A - three PAHs exceed the cleanup goals in excavation composite soil sample.
UST-960 - one PAH exceeds the cleanup goal in the excavation composite soil sample, and eleven PAHs and one VOC exceed cleanup goals in excavation groundwater sample.
UST-1810 - six PAHs and one VOC exceed cleanup goals in one excavation soil sample, and five PAHs exceed cleanup goals in another excavation soil sample.
UST-2015-A-2 - one PAH and four VOCs exceed cleanup goals for excavation groundwater sample.
Bldg. 2335 USTs & OWS - one PAH exceeds the cleanup goal for excavation sidewall composite soil sample, and three VOCs exceed the cleanup goals in the final excavation groundwater sample.
UST-2380 - one VOC exceeds the cleanup goal in the final excavation groundwater sample.
OWS-2542 - one VOC exceeds the cleanup goal in excavation composite soil sample, and one PAH and four VOCs exceed cleanup goal in excavation groundwater sample.
UST-2552-A-2 - one VOC exceeds the cleanup goal in the excavation groundwater sample.
UST-2555-A, UST-2555-B, & UST-2558-A-2 - one PAH and two VOCs exceed cleanup goals in excavation groundwater sample.
UST-2658-A - numerous PAHs exceed cleanup goals in all three excavation composite soil samples.

UST-2704 - two VOCs exceed cleanup goals in excavation composite soil sample.
OWS-2763-3 - two VOCs exceed cleanup goals in excavation groundwater sample.
UST-2811-A-2 and UST-2812-A-2 - three VOCs exceed cleanup goals in excavation groundwater sample.
OWS-3400 - several PAHs exceed cleanup goals in three excavation composite soil samples.
UST-3578-A-2 - several PAHs exceed cleanup goals in excavation composite soil samples and groundwater grab sample. One VOC exceeds the cleanup goal in two excavation soil samples.
UST-3582 - one PAH exceeds the cleanup goal in the excavation groundwater sample.
UST-3583-A-2 - one VOC exceeds the cleanup goal in the excavation groundwater sample.
UST-5128 - six PAHs exceed the cleanup goal in the excavation groundwater sample.

As summarized in the above bullets, final confirmation sample results from 38 of the 148 sites, where samples were collected, indicated the presence of one or more targeted compounds above cleanup goals. Cleanup goal exceedances were seen in soil samples at 20 of the sites, and in groundwater samples at 25 of the sites. Note that an exceedance for total xylenes is determined based on the total of the individual isomers (m, p & o-xylene). Individual closure reports provide the quantitative data for all samples. AFCEE coordinated the level of excavation at each site with NYSDEC Region V Spill Response Office. No further excavation was conducted at the above-referenced sites.

2.5 Excavated Soil Disposition

Final disposition of soil was determined by observations (soil staining or hydrocarbon odors) or field screening made during excavation and/or review of analytical results by AFCEE. The majority of the contaminated soil excavated during the removals was transported to a centralized location on the Base where it was placed into a temporary storage cell. The storage cell was located at the north end of the flight line ramp, adjacent to the former alert area. As discussed in Section 2.3, soil from UST excavations which exhibited obvious signs of contamination was typically transported to the storage cell without collecting samples. AFCEE directed OHM to backfill or transfer soil to the temporary storage cell for sites where excavated soil did not exhibit obvious signs of contamination. Air Force correspondence regarding soil disposition is included in Appendix B. An estimated 15,366 cubic yards of soil excavated during removal of USTs and OWSs under DO 006 remained on site for bioremediation. Construction of a landfarm began in September 1996, which consisted of spreading out the soil in the storage area and placing Jersey barriers around the lower end perimeter of the landfarm. The landfarm also included soils removed under DO 003 which was primarily soil excavated during the removal of 50,000-gallon jet fuel USTs. According to discussions with AFCEE, the Base plans to reuse the soil as subgrade material under two landfill caps (LF-21 and LF-24) on Base in May 1997. Reuse of the soil is pending the attainment of "protective of groundwater" cleanup goals, specified in TAGM HWR-94-4046, through landfarming operations.

Soil was transported off site for disposal in two cases. The 973 tons of No. 6 oil-contaminated soil removed from the 20,000-gallon UST and 1,000-gallon OWS excavation at the Central Heat Plant was transported to the ESMI thermal treatment and recycling facility located in Fort Edward, New York. The material was shipped off site because soil contaminated with No. 6 oil is not considered to be as conducive to bioremediation as soil contaminated with lighter fuels (gasoline and diesel). A copy of the Bill of Lading for the soil is provided in the closure report for UST-2658-A.

The 68.8 tons of soil from around the acid neutralization basin removed at Building 2774 was shipped to Chem-Met Services in Wyandotte, MI as an F002 waste due to the elevated concentration of dichlorobenzenes, and with consideration of the source of the waste (an engine maintenance facility). The hazardous waste manifest is provided as an attachment to the closure report subsequent to disposal of the material.

2.6 Tank and Tank Content Disposition

The virgin product in many of the smaller USTs was recycled by Main Brothers Oil Co., Inc., located in Albany, New York. The material was shipped under a Uniform Manifest for Intrastate Movements of Automotive Fuel. These manifests are included in Appendix C.

UST-2552-A-2 was used for temporary storage to collect OWS contents and rinsewater generated through tank decontamination. This UST was selected as a storage vessel because of its size (25,000-gallon capacity) and considering it was equipped with cathodic protection and a leak detection system. The UST was later removed after it was no longer needed to store waste material. The material was characterized as a D001 and D018 hazardous waste due to the flash point and benzene concentration. Consolidated Environmental Options, Inc. periodically emptied and shipped the waste material to United Oil Recovery, Inc. (United) in Meriden, CT, for treatment and recycling. Copies of the hazardous waste manifests are included in Appendix C. United informed OHM that their process used an OWS to separate the fuel from the water, treated the water until it met Universal Treatment Standards and then discharged when Clean Water Act requirements were met. United blended, then shipped the organic fraction for use as an energy source for incineration.

The liquid contents of the acid neutralization basin at Building 2774 were shipped to North East Chemical, Corp. in Cleveland, Ohio as a D040 hazardous waste due to the concentrations of TCE and chlorobenzene. The hazardous waste manifest for this material is provided in Appendix C.

The solid contents of the OWS at Building 3400 were shipped to Michigan Disposal, Inc. as a hazardous waste. A total of 23 tons of soil/solid material was shipped as a D040 waste because the TCLP TCE concentration exceeded the regulatory threshold. The hazardous waste manifest is included in Appendix C.

The septic tank contents were transported to the Plattsburgh Water Pollution Control Plant. Steel tanks were decontaminated, dismantled and shipped to Atkinson Scrap Metal and Carter's Trucking & Blacktopping as scrap metal. Fiberglass tanks were also decontaminated and dismantled prior to being shipped to Schuyler Falls Landfill for disposal as debris.

2.7 Building Demolition, Asbestos Abatement and Transformer Removal

Demolition of Buildings 2335 and 2554 were added to OHM's original scope of work by AFCEE to help facilitate removal of underground structures and contaminated soil. Asbestos containing materials (ACM) were removed from Building 2335 and the 20,000-gallon UST associated with Building 2658. The ACM was taken to a local landfill for disposal. Transformers were removed from Building 2554 and from Building 3578. The Building 3578 transformers were removed to allow OHM to remove additional contaminated soil. The non-PCB transformers and transformer oil were shipped off site as non-hazardous, non-regulated material under a Bill of Lading.

2.8 Site Restoration

Imported borrow material from several sources was used to backfill UST and OWS excavations. Prior to using a borrow source OHM inspected the borrow pit and collected a sample for full TCLP analysis. Once approved for use the TCLP test was performed at a frequency of one sample per every 5000 cubic yards (cubic yards (cy)) of soil. The analytical results for borrow samples, indicating that the material was acceptable for use as backfill, are included as part of a letter report provided in Appendix D. The following sources of borrow were used during this project: Joe Ormsby's Lapham Mills Road Pit (Peru, NY), Joe Ormsby's Christian Pit (Peru, NY), Barry White's Shingle Street Pit (Schuyler Falls, NY) and Plattsburgh Quarry's Ad Cock Pit (Morrisonville, NY).

Backfilling was conducted in 1-2 foot lifts and compacted using a vibratory compactor or roller. Upon completion of backfilling, formerly grassed sites were restored by spreading topsoil, seeding, and mulching. A TCLP metals test was performed on the topsoil at the direction of AFCEE. The results of the TCLP metals test are also provided in Appendix D. Asphalt restoration was also performed where appropriate. A one-foot layer of subbase, consisting of a mixture of stone and stone dust, was installed prior to applying the asphalt. Luck Bros., Inc. of Plattsburgh was subcontracted to compact the subbase and apply the 1.5-inch binder course and 1-inch top coat.

Electrical feeder lines and secondary containment piping were inadvertently damaged during the course of conducting the exploratory excavations in the area of the Military Family Housing units on the Old Base. Electrical and piping repairs were required. OHM subcontracted Riggin & Diggin to repair the electrical lines which were subsequently inspected and approved by PARC. Repairs to secondary containment piping were performed by OHM.

3.0 QUALITY ASSURANCE/QUALITY CONTROL

OHM prepared a project-specific ESAP and QAPP to provide guidance for field sampling and laboratory analytical tasks associated with OHM's work at the Base. The purpose of this section is to summarize the QA/QC procedures used during the project and to discuss specific problems uncovered during QC checks and the implemented corrective actions.

3.1 Sampling Quality Control

Quality control of sampling activities was maintained through the use of Standard Operating Procedures (SOPs) in the field and the use of QC samples. OHM included sampling SOPs as an Appendix to the QAPP for use as guidance during sampling activities. In general, stainless steel sampling equipment was used to collect and homogenize samples in the field, and all reusable equipment was decontaminated between uses. Project-specific collection logs were used to document the collection of samples and to serve as chain-of-custody documentation for samples analyzed by the on-site laboratory. Bound logbooks were used to document the collection of samples. Sample identifications were designed to help the data user determine the location and purpose of the sample. The following sample identifications are provided as examples:

EXMFH217A - EX indicates that the sample was collected from the excavation. MFH217A indicates that the sample was collected from the excavation at Military Family Housing unit 217A. It is a soil sample since there is no notation for a liquid sample.

SPMFH924B - SP indicates excavated soil pile sample at Military Family Housing unit 924B.

EX426-LQ2 - LQ in the suffix indicates a liquid (water) sample. The LQ2 indicates that it is the second water sample collected from the excavation at Building 426.

ER081396 - Indicates equipment rinsate (ER) collected on 08/13/96.

ABMFH225B - Indicates ambient blank (AB) collected during the confirmation sampling event at Military Family Housing 225B.

QC samples collected during this project included field duplicates, ambient blanks, equipment rinsate blanks, and trip blanks. Because OHM's on-site laboratory handled DO 006 and DO 003 samples simultaneously, the frequency of QC sample collection was based on the combined number of samples from both DOs. Field duplicates were used to assess sampling precision, including variability associated with the on-site laboratory analysis. "Split" samples were also collected at a frequency of 10% and shipped to an off-site laboratory to provide a further check on the on-site laboratory analysis. Ambient blanks are an AFCEE requirement and were used to assess the potential introduction of VOC contaminants into the sample from an ambient source. Ambient blanks were collected during confirmation sampling at each location, and only required analysis if associated samples contained targeted VOCs at concentrations above the laboratory practical quantitation limit (PQL). Equipment rinsate blanks were used to assess the effectiveness of decontamination procedures for sampling equipment and were collected at a frequency of 10%. Trip blanks were included with shipments of VOCs off site to assure that VOC contamination was not introduced during sample handling, transportation and storage. Blank Matrix 1 provides a summary of the results of field generated QC samples. Blank Matrix 2 lists all the detectable concentrations (above MDL) of targeted compounds in the field generated QC blanks.

In general, the results of the field duplicates show good sampling precision and blank sample data indicates good decontamination and sample handling procedures. A "B" qualifier was applied to sample data if the same

compound(s) were present in an associated field-generated blank. No other qualifiers were applied based on the results of field QC samples. The results of field-generated blanks did not indicate cross-contamination from ambient sources or from sampling equipment.

3.2 Laboratory Quality Control

Most of the sample analyses were conducted on-site in a mobile laboratory which was transported to the site for the project. Off-site laboratories were used for additional analyses not performed in the on-site laboratory, split sample analysis, and in situations when the on-site laboratory was experiencing instrumentation problems. The laboratory was demobilized from the site in October 1996 as a cost-cutting measure due to the significant reductions in the amount of samples requiring analysis. Samples collected after October 1996 were shipped to a designated off-site laboratory.

3.2.1 On-Site Laboratory

The on-site laboratory was configured to analyze an abbreviated list of VOCs by EPA Method 8021, and PAHs by EPA Method 8270. SOPs were developed for each method and included in the QAPP.

Innovative extraction techniques were used in an attempt to facilitate sample throughput since the laboratory was also required to analyze samples generated under DO 003. The techniques used were designed to conduct the extractions more rapidly than traditional methods. Initially, supercritical fluid extraction (SFE) was utilized to extract PAHs from soil samples, and solid phase extraction (SPE) was used to extract PAHs from water samples. Sample throughput problems associated with these extraction techniques led to the use of more traditional extraction procedures. Sonication was used to conduct soil sample extractions starting on July 1, 1996 because persistent maintenance associated with the SFE could not be resolved. The presence of an abundance of fine particulates in the water samples had a considerable impact on the ability to move samples through the solid phase extract filters. Separatory funnel extractions replaced solid phase extractions for water samples on March 13, 1996.

Laboratory QC samples consisted of initial (5-point) and continuing calibrations, tune checks (GC/MS only), method blanks, blank spikes, matrix spikes, and matrix spike duplicates. QC samples were analyzed at the frequency required by the respective analytical methods and QC objectives were based on "AFCEE Minimum Analytical Chemistry Laboratory Requirements" provided in the OHM Nationwide ESAP for AFCEE (1995). Method detection limits (MDL) studies were conducted by the laboratory for each extraction/analytical method. Initial and continuing calibration acceptance criteria was consistent with the method requirements as follows:

Method 8021

Initial calibration - 20 % relative standard deviation (RSD)
Continuing calibration - 15 % difference (D)

Method 8270

Initial calibration - 30 % relative standard deviation (RSD)
Continuing calibration - 25 % difference (D)

No sample data were accepted unless calibrations were within acceptable limits. Compounds detected below the PQL was qualified with a "J", indicating an estimated concentration. Compounds detected in field samples that were also detected in an associated method blank were qualified with a "B". The blanks analyzed before and after the sample(s) were used to qualify samples. A summary of method blank results for VOC and SVOC results is included as Blank Matrix 3. Blank Matrix 4 lists all the detectable concentrations of targeted compounds (above MDL) in the method blanks.

SOPs required that samples with expired holding times be voided and recollected. Data reported for samples extracted or analyzed beyond holding times were qualified with an "R" which indicates that the data be considered unusable. A summary of all "R" qualified data is provided in the "R" qualified data report included in Appendix E.

Reanalysis was performed if surrogate recoveries did not meet control limits to confirm matrix effects or extraction problems. PAH analyses were considered acceptable if two of the four surrogate recoveries were within control limits. Data was not qualified based on low or high surrogate recoveries, but occurances of surrogate recoveries outside control limits are provided in a "surrogate exception report" included in Appendix E and are also identified in the individual closure reports.

3.2.2 QA Laboratory

Split samples were submitted to a subcontracted fixed-base laboratory to provide a check on the on-site laboratory results. OHM initially contracted E3I analytical laboratory to conduct split sample analyses. However, due to QC problems with E3I's 8021 analysis, OHM discontinued the contract with E3I and awarded the split sample analyses contract to ESS laboratory.

OHM prepared a Chemical Quality Assurance Report (CQAR) to compare OHM's on-site laboratory results with those generated from the QA laboratory. This report is modeled after the one developed by the United States Army Corps of Engineers (USACE) for comparison of QA laboratory and contractor analytical results. In general, the results of the QA report indicate good agreement between the on-site and off-site laboratory. Refer to Appendix E for a copy of the CQAR.

3.3 Corrective Actions

Variations, discrepancies, and/or procedural problems discovered during routine QC reviews were investigated and corrected in a timely manner. The notable problems experienced by OHM's on-site laboratory during the course of the project are as follows:

- Instrumentation problems at different times throughout the course of the project which resulted in missed holding times. The implemented corrective action for the instrumentation problems was to perform the necessary maintenance and troubleshooting of the instrumentation, send samples off site for analysis and/or resample if holding times were exceeded. Holding times were missed for several samples and associated data was qualified with an "R".
- Low levels of targeted VOCs were persistent in the analytical system at various times throughout the course of the project. The implemented corrective action included cleaning of the system in accordance with manufacturer's recommendations to ensure that targeted contaminant concentrations were not present at concentrations exceeding the PQL.
- Much of the VOC sample data that had associated low-level method blank contamination was submitted without the proper "B" qualifier in the draft reports submitted to AFCEE. This caused some confusion as to whether low concentration detections of VOCs in field samples were representative of the actual site conditions. The implemented corrective action was to properly qualify all data in the final closure reports.
- Reporting below MDLs on draft documents led to confusion because reporting below the MDL is not a standard practice of the laboratory. Laboratories do not typically report below the MDL because the statistical confidence in the data below these levels is low. OHM reported below the MDL initially due to the low action levels for PAHs under the STARS Memo #1 guidance document. The implemented corrective action was to not report below the MDLs in the final report.
- Storage of a high concentration TCE sample with other environmental samples caused cross-contamination of many of those samples. The high concentration sample was collected from the contents

of the OWS at Building 3400 and stored in the laboratory with other environmental samples from Series 200, 800 and 900 UST excavations. The matter was investigated in detail using split samples and resampling numerous excavations before conclusively determining the source of the problem. In addition to the resampling, the implemented corrective action included review and reinforcement of sample handling procedures with project personnel. Based on the information gathered during the investigation into the cross-contamination issue, TCE was not reported for samples collected from the Military Family Housing excavations.

Details of the corrective actions are explained in more detail in OHM and AFCEE correspondence provided in Appendix F.

3.4 Reporting

Draft reports on all sites were submitted to AFCEE for their review and submittal to NYSDEC. No formal comments were provided on the drafts to OHM by either AFCEE or NYSDEC; however, decisions were made whether to continue digging or to backfill based on the NYSDEC review of the draft documents.

In November 1996, AFCEE directed OHM to finalize the individual closure reports and include them in a multi-volume report. Based on this direction OHM conducted a final QC review of all analytical data associated with the DO 006 sites and standardized the reports which had evolved throughout the course of the project based on feedback by AFCEE.

Final laboratory reports incorporated the corrective actions discussed in Section 3.3 of this report. Data qualifiers used in reporting analytical data were as follows:

J indicates that the reported concentration is below the PQL and above the MDL.

B indicates that contamination was also present in an associated blank (field or laboratory). Samples were qualified with a B regardless of the concentration of the contaminant in the sample and blank. The 5X rule, developed by the EPA to qualify samples with associated VOCs blank contamination, was not utilized per AFCEE direction.

D indicates that the sample or sample extract was diluted to bring the contaminant concentration within the linear range of the calibration curve.

E indicates that the reported concentration is above the calibration range.

R indicates that the data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria (i.e. analysis or extraction done outside holding time).

ND the analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL. A "U" qualifier, which is synonymous with "ND", was used by some of the off-site laboratories. The numerical value associated with the U is at or below the off-site laboratory PQL.

project-specific qualifier used to indicated that the compound concentration exceeded applicable cleanup criteria.

Total BTEX and total PAHs were reported for informational purposes only, as no action levels exist for either of these totals. These data were not reported with qualifiers regardless of whether qualifiers were applied to the individual compounds that made up the total.

4.0 SUMMARY & CONCLUSIONS

The removals addressed in this closure report were conducted in accordance with the project-specific work plans developed by OHM, applicable NYSDEC Guidance documents, and AFCEE directives. A total of 103 USTs, 14 OWSs, 1 acid neutralization basin, 19 ASTs, and 3 septic tanks were removed, and 52 exploratory excavations were conducted at PAFB under Delivery Order 006. Tank contents were reused and recycled whenever possible. Virgin petroleum was reused and decontamination rinsewater was shipped off site for treatment and discharge. In several instances, as noted in Section 2, tank contents were shipped off site as hazardous waste.

Confirmation sampling and analysis was conducted for all underground storage tanks and structures, with the exception of two of the septic systems. No sampling and analysis was required to support the removal of ASTs. Additional investigation was performed at several sites to help determine the areal extent of contamination. In general, one confirmation composite soil sample was collected from the excavation and one from the excavated soil stockpile. A groundwater sample was also obtained if present in the excavation. Analytical data were presented to AFCEE for comparison to applicable NYSDEC cleanup criteria. Most of the sites did not show any signs of contamination, either visually or through analytical testing. Additional excavation was conducted at several sites based on results indicating exceedence of cleanup criteria. Several sites had more widespread contamination which prompted additional investigations. Final confirmation sample results from 38 of the 148 sites, where samples were collected, indicated the presence of one or more targeted compounds above cleanup goals. Cleanup criteria were not achieved in soil samples at 20 of the sites, and in groundwater samples at 25 of the sites. All decisions regarding the closure of each removal site was made by AFCEE based on the review of draft closure reports by NYSDEC and Air Force personnel.

Quality assurance/quality control procedures were implemented in both the field and laboratory to provide a check on sample collection and analytical procedures. Analytical data were appropriately qualified based on the results of the QA/QC activities.

AFCEE directed OHM to backfill or transfer soil to the temporary storage cell. The soil contained in the temporary storage cell was placed into a landfarm to undergo bioremediation in October 1996. Approximately 15,366 cubic yards of excavated soils remained on site for bioremediation. AFCEE plans to reuse the soil as subgrade material under two landfill caps on Base in May 1997, pending the attainment of NYSDEC-approved cleanup goals. Soil was shipped off site in two cases because the material was either hazardous or not conducive to bioremediation.

Imported borrow material from several sources was used to backfill excavations. Samples of the borrow material were analyzed for full TCLP constituents prior to using as backfill. Additional site restoration consisted of providing a covering layer of topsoil, followed by seeding and mulching for grassy areas; and asphalt repair as appropriate.

OHM was successful in meeting the objectives of the delivery order. Work was conducted in accordance with the project work plans, AFCEE directives, and regulatory guidelines. The data produced during the removal activities are of good quality. The removal of the tanks and associated contaminated soil resulted in minimizing potential adverse impacts to environmental receptors at the Base.

TABLES

TABLE 1
UST REMOVAL AND EXPLORATORY EXCAVATION SUMMARY

Table 1
UST Removal and Exploratory Excavation Summary

Bldg	Tank Type	AFBCA Tank ID	contents	Capacity	Soil Volume * Removed (cy)	Imported Fill (Y/N)	UST Removal Date	Exploratory Excavation Date	Figure	Area Map	Closure Report Volume
0102	UST	UST-102	#1,2,4-fuel oil	550	39	Y	12/01/95		2	1	2A
0177	UST	UST-177-A	#1,2,4-fuel oil	550	33	Y	05/06/96		2	1	2A
0180C	UST	UST-180-C	#1,2,4-fuel oil	1,000	52	Y	12/04/95		2	1	2A
0200A	UST	UST-200A-A	#1,2,4-fuel oil	300	21	Y	*07/30/96*		2	1	2A
0200	UST	UST-200A-B-2	#1,2,4-fuel oil	1,000	*0*	Y	*12/18/95*		2	1	2A
0200B	UST	UST-200B-A	#1,2,4-fuel oil	300	23	Y	07/31/96		2	1	2A
0201	UST	UST-201A-B-2	#1,2,4-fuel oil	1,000	34	Y	12/19/95		2	1	2A
0201B	UST	UST-201B-A	#1,2,4-fuel oil	no tank found	10	Y		08/02/96	2	1	2A
0204A	UST	UST-204A-A	#1,2,4-fuel oil	300	29	Y	08/01/96		2	1	2A
0204B	UST	UST-204B-A	#1,2,4-fuel oil	no tank found	15	Y		08/01/96	2	1	2A
0204	UST	UST-204B-B-2	#1,2,4-fuel oil	1,000	*0*	Y	12/15/95		2	1	2A
0205	UST	UST-205A-B-2	#1,2,4-fuel oil	1,000	32	Y	12/19/95		2	1	2A
0208B	UST	UST-208B-A	#1,2,4-fuel oil	no tank found	10	Y		08/06/96	2	1	2A
0208	UST	UST-208B-B-2	#1,2,4-fuel oil	1,000	20	Y	12/13/95		2	1	2A
0209	UST	UST-209B-B-2	#1,2,4-fuel oil	1,000	*0*	Y	12/18/95		2	1	2A
0212B	UST	UST-212B-A	#1,2,4-fuel oil	300	21	Y	08/06/96		2	1	2A
0212	UST	UST-212B-B-2	#1,2,4-fuel oil	1,000	*0*	Y	12/08/95		2	1	2A
0213	UST	UST-213B-B-2	#1,2,4-fuel oil	1,000	*0*	Y	12/18/95		2	1	2A
0216	UST	UST-216B-B-2	#1,2,4-fuel oil	1,000	*0*	Y	12/06/95		2	1	2A
0217A	UST	UST-217A-A	#1,2,4-fuel oil	no tank found	18	Y		08/06/96	2	1	2A
0217	UST	UST-217B-B-2	#1,2,4-fuel oil	1,000	39	Y	12/18/95		2	1	2A
0220B	UST	UST-220B-A	#1,2,4-fuel oil	no tank found	12	Y		08/07/96	2	1	2A
0220	UST	UST-220B-B-2	#1,2,4-fuel oil	1,000	*0*	Y	12/05/95		2	1	2A
0221A	UST	UST-221A-A	#1,2,4-fuel oil	300	23	Y	08/07/96		2	1	2A
0221	UST	UST-221A-B-2	#1,2,4-fuel oil	1,000	*0*	Y	12/13/95		2	1	2A
0221B	UST	UST-221B-A	#1,2,4-fuel oil	550	13	Y	01/08/96		2	1	2A
0224A	UST	UST-224A-A	#1,2,4-fuel oil	no tank found	17	Y		08/07/96	2	1	2A
0224	UST	UST-224B-B-2	#1,2,4-fuel oil	1,000	*0*	Y	12/05/95		2	1	2A
0225A	UST	UST-225A-A	#1,2,4-fuel oil	no tank found	24	Y		08/07/96	2	1	2A
0225B	UST	UST-225B-A	#1,2,4-fuel oil	300	21	Y	08/08/96		2	1	2A
0225	UST	UST-225B-B-2	#1,2,4-fuel oil	1,000	*0*	Y	12/08/95		2	1	2B
0229A	UST	UST-229A-A	#1,2,4-fuel oil	no tank found	12	Y		08/09/96	2	1	2B
0229	UST	UST-229B-B-2	#1,2,4-fuel oil	1,000	*0*	Y	12/07/95		2	1	2B
0233	UST	UST-233B-B-2	#1,2,4-fuel oil	1,000	*0*	Y	12/07/95		2	1	2B
0237A	UST	UST-237A-A	#1,2,4-fuel oil	no tank found	30	Y		08/09/96	2	1	2B
0237B	UST	UST-237B-A	#1,2,4-fuel oil	300	30	Y	08/12/96		2	1	2B
0237	UST	UST-237B-B-2	#1,2,4-fuel oil	1,000	*0*	Y	12/06/95		2	1	2B
0241	UST	UST-241A-B-2	#1,2,4-fuel oil	1,000	*0*	Y	12/05/95		2	1	2B
0426	UST	UST-426-A	#1,2,4-fuel oil	5,000	412	Y	06/03/96		2	1	2B
0476	UST	UST-476	#1,2,4-fuel oil	550	*0*	Y	12/13/95		2	1	2B
0483	UST	UST-483-A	#1,2,4-fuel oil	1,000	69	Y	12/14/95		2	1	2B
0485	UST	UST-485-A	#1,2,4-fuel oil	550	28	Y	05/07/96		2	1	2B
0492	UST	UST-492-A	#1,2,4-fuel oil	1,000	40	Y	05/06/96		2	1	2B
0505	UST	UST-505-A	#1,2,4-fuel oil	550	52	Y	12/06/95		3	2	2B
0508	UST	UST-508-A	#1,2,4-fuel oil	1,000	6	Y	05/29/96		2	1	2B
0509	UST	UST-509-A	#1,2,4-fuel oil	1,000	24	Y	04/04/96		3	2	2B
0601	UST	UST-601-A	#1,2,4-fuel oil	550	18	Y	05/07/96		2	1	2B
0609	UST	UST-609-A	#1,2,4-fuel oil	1,000	14	Y	06/22/96		3	2	2B
0610	UST	UST-610	#1,2,4-fuel oil	550	63	Y	12/07/95		3	2	2B
0614	UST	UST-614-A	#1,2,4-fuel oil	550	39	Y	12/08/95		3	2	2B
0639	UST	UST-639	#1,2,4-fuel oil	550	35	Y	12/11/95		3	2	2B
0640	UST	UST-640	#1,2,4-fuel oil	550	30	Y	12/11/95		3	2	2B
0646	UST	UST-646	#1,2,4-fuel oil	1,000	*0*	Y	12/12/95		3	2	2B
0652	UST	UST-652	#1,2,4-fuel oil	1,000	57	Y	04/02/96		3	2	2B
0653	UST	UST-653-A	#1,2,4-fuel oil	1,000	33	Y	05/07/96		3	2	2B
0701	UST	UST-701-A	#1,2,4-fuel oil	550	*0*	Y	11/30/95		2	1	2B
0732	UST	UST-732	#1,2,4-fuel oil	no tank found	0	N		04/02/96	3	2	2B
0742	UST	UST-742	#1,2,4-fuel oil	no tank found	0	N		04/01/96	3	2	2B
0751	UST	UST-751	#1,2,4-fuel oil	550	32	Y	12/01/95		2	1	2B
0800	UST	UST-800-A	#1,2,4-fuel oil	no tank found	*0*	N		08/13/96	3	2	2C

Table 1
UST Removal and Exploratory Excavation Summary

Bldg	Tank Type	AFBCA Tank ID	contents	Capacity	Soil Volume * Removed (cy)	Imported Fill (Y/N)	UST Removal Date	Exploratory Excavation Date	Figure	Area Map	Closure Report Volume
0804	UST	UST-804-A	#1,2,4-fuel oil	no tank found	17	Y		08/19/96	3	2	2C
0805A	UST	UST-805A-A	NA	no tank found	13	Y		02/22/96	3	2	2C
0809B	UST	UST-809B-A	#1,2,4-fuel oil	no tank found	17	Y		08/19/96	3	2	2C
0813A	UST	UST-813A-A	#1,2,4-fuel oil	no tank found	18	Y		08/19/96	3	2	2C
0813B	UST	UST-813B-A	#1,2,4-fuel oil	300	*0*	Y	08/20/96		3	2	2C
0816B	UST	UST-816B-A	#1,2,4-fuel oil	no tank found	15	Y		08/19/96	3	2	2C
0821B	UST	UST-821B-A	#1,2,4-fuel oil	no tank found	*0*	Y		08/20/96	3	2	2C
0825A	UST	UST-825A-A	#1,2,4-fuel oil	550	13	Y	01/10/96		3	2	2C
0825B	UST	UST-825B-A	NA	no tank found	6	Y		02/23/96	3	2	2C
0829B	UST	UST-829B-A	NA	no tank found	3	Y		02/27/96	3	2	2C
0832A	UST	UST-832A-A	#1,2,4-fuel oil	no tank found	23	Y		08/20/96	3	2	2C
0833A	UST	UST-833A-A	#1,2,4-fuel oil	no tank found	13	Y		08/21/96	3	2	2C
0833B	UST	UST-833B-A	#1,2,4-fuel oil	no tank found	20	Y		08/21/96	3	2	2C
0836A	UST	UST-836A-A	#1,2,4-fuel oil	300	20	Y	08/20/96		3	2	2C
0844A	UST	UST-844A-A	#1,2,4-fuel oil	no tank found	15	Y		08/21/96	3	2	2C
0848A	UST	UST-848A-A	#1,2,4-fuel oil	no tank found	15	Y		08/21/96	3	2	2C
0849A	UST	UST-849A-A	#1,2,4-fuel oil	300	32	Y	08/22/96		3	2	2C
0851B	UST	UST-851B-A	#1,2,4-fuel oil	no tank found	11	Y		08/22/96	3	2	2C
0861B	UST	UST-861B-A	#1,2,4-fuel oil	no tank found	13	Y		08/27/96	3	2	2C
0865B	UST	UST-865B-A	#1,2,4-fuel oil	300	*0*	Y	08/27/96		3	2	2C
0868A	UST	UST-868A-A	#1,2,4-fuel oil	no tank found	*0*	N		08/21/96	3	2	2C
0869A	UST	UST-869A-A	#1,2,4-fuel oil	300	17	Y	08/28/96		3	2	2C
0869B	UST	UST-869B-A	#1,2,4-fuel oil	no tank found	*0*	Y		08/28/96	3	2	2C
0871	UST	UST-871A-A	#1,2,4-fuel oil	550	33	Y	01/05/96		3	2	2C
0872B	UST	UST-872B-A	#1,2,4-fuel oil	no tank found	*0*	Y		08/22/96	3	2	2C
0875A	UST	UST-875A-A	#1,2,4-fuel oil	300	20	Y	08/28/96		3	2	2C
0875B	UST	UST-875B-A	#1,2,4-fuel oil	300	13	Y	08/29/96		3	2	2C
0880A	UST	UST-880A-A	#1,2,4-fuel oil	no tank found	*0*	Y		08/23/96	3	2	2C
0881A	UST	UST-881A-A	#1,2,4-fuel oil	no tank found	*0*	Y		08/29/96	3	2	2C
0884A	UST	UST-884A-A	#1,2,4-fuel oil	no tank found	10	Y		02/26/96	3	2	2C
0884B	UST	UST-884B-A	#1,2,4-fuel oil	no tank found	12	Y		08/23/96	3	2	2C
0885A	UST	UST-885A-A	#1,2,4-fuel oil	no tank found	*0*	Y		04/04/96	3	2	2C
0892A	UST	UST-892A-A	#1,2,4-fuel oil	no tank found	*0*	N		08/23/96	3	2	2C
0892B	UST	UST-892B-A	#1,2,4-fuel oil	no tank found	*0*	N		08/23/96	3	2	2C
0896B	UST	UST-896B-A	#1,2,4-fuel oil	no tank found	*0*	Y		08/26/96	3	2	2C
0900B	UST	UST-900B-A	#1,2,4-fuel oil	no tank found	20	Y		08/26/96	3	2	2C
0908A	UST	UST-908A-A	#1,2,4-fuel oil	no tank found	11	Y		08/26/96	3	2	2C
0924A	UST	UST-924A-A	#1,2,4-fuel oil	no tank found	43	Y		02/27/96	3	2	2C
0924B	UST	UST-924B-A	#1,2,4-fuel oil	no tank found	18	Y		08/26/96	3	2	2C
0928A	UST	UST-928A-A	#1,2,4-fuel oil	no tank found	*0*	N		08/26/96	3	2	2C
0928B	UST	UST-928B-A	#1,2,4-fuel oil	no tank found	20	Y		08/27/96	3	2	2C
0932B	UST	UST-932B-A	#1,2,4-fuel oil	no tank found	16	Y		08/29/96	3	2	2C
0936A	UST	UST-936A-A	#1,2,4-fuel oil	no tank found	16	Y		08/29/96	3	2	2C
0936B	UST	UST-936B-A	#1,2,4-fuel oil	no tank found	31	Y		08/29/96	3	2	2C
0944	UST	UST-944-A	#1,2,4-fuel oil	no tank found	*0*	N		09/04/96	3	2	2C
0948	UST	UST-948-A	#1,2,4-fuel oil	no tank found	3	Y		09/04/96	3	2	2C
0960	UST	UST-960	#1,2,4-fuel oil	550	156	Y	01/05/96		3	2	2C
1806	UST	UST-1806	#1,2,4-fuel oil	550	see 1809B	Y	04/16/96		5	4	2D
1807	UST	UST-1807-A	#1,2,4-fuel oil	550	51		04/18/96		5	4	2D
1809A	UST	UST-1809-A	#1,2,4-fuel oil	550	99	Y	04/17/96		5	4	2D
1809B	UST	UST-1809-B	#1,2,4-fuel oil	550	101	Y	04/16/96		5	4	2D
1810	UST	UST-1810	#1,2,4-fuel oil	no tank found	TBD	TBD		04/16/96	5	4	2D
2015	UST	UST-2015-A-2	diesel fuel	600	34	Y	05/06/96		4	3	2D
2065	UST	UST-2065-A	deicing fluid	25,000	408	Y	04/29/96		4	3	2D
2335A	UST	UST-2335-M	waste oil	600			03/05/96		4	3	2D
2335B	UST	UST-2335-I-2	unleaded gas	10,000			12/19/95		4	3	2D
2335C	UST	UST-2335-J-2	unleaded gas	10,000			12/20/95		4	3	2D
2335D	UST	UST-2335-K-2	unleaded gas	10,000			01/03/96		4	3	2D
2335E	UST	UST-2335-H-2	diesel fuel	4,000			12/07/95		4	3	2D
2335F	UST	UST-2335-B	gasoline	3,000			12/11/95		4	3	2D

Table 1
UST Removal and Exploratory Excavation Summary

Bldg	Tank Type	AFBCA Tank ID	contents	Capacity	Soil Volume * Removed (cy)	Imported Fill (Y/N)	UST Removal Date	Exploratory Excavation Date	Figure	Area Map	Closure Report Volume
2335G	UST	UST-2335-C	gasoline	3,000			12/11/95		4	3	2D
2335H	UST	UST-2335-D	gasoline	3,000			12/11/95		4	3	2D
2335I	UST	UST-2335-E	gasoline	3,000			12/12/95		4	3	2D
2335J	UST	UST-2335-F	gasoline	3,000			12/12/95		4	3	2D
2335K	UST	UST-2335-G	gasoline	3,000			12/12/95		4	3	2D
2335tot	NA	NA	NA	NA	6458	Y					
2380	UST	UST-2380-A	#1,2,4-fuel oil	2,000	63	Y	05/08/96		4	3	2D
2385	UST	UST-2385-B	#1,2,4-fuel oil	1,000	103	Y	04/11/96		4	3	2D
2548	UST	UST-2548	waste oil	2,000	40	Y	05/21/96		4	3	2D
2552	UST	UST-2552-A-2	unleaded gas	25,000	131	Y	11/08/96		4	3	2D
2555A	UST	UST-2555-A	diesel fuel	8,000	0	Y	06/25/96		4	3	2D
2555B	UST	UST-2555-B	diesel fuel	8,000	0	Y	05/02/96		4	3	2D
2558	UST	UST-2558-A-2	diesel fuel	12,000	538	Y	06/26/96		4	3	2D
2624A	UST	UST-2624	heating oil	no tank found	121	Y		04/17/96	4	3	2D
2640A	UST	UST-2640-A-2	hydraulic fluid	600	31	Y	04/18/96		5	4	2D
2640B	UST	UST-2640-B-2	hydraulic fluid	600	31	Y	04/18/96		5	4	2D
2658	UST	UST-2658-A	#6 fuel oil	20,000	1340	Y	06/10/96		5	4	2D
2658	UST	UST-2658-B	diesel fuel	1,000	38	Y	05/22/96		5	4	2D
2704	UST	UST-2704-A	diesel fuel	1,500	53	Y	04/11/96		5	4	2D
2752	UST	UST-2752-B	diesel fuel	1,000	24	Y	04/15/96		5	4	2D
2811	UST	UST-2811-A-2	*diesel fuel*	6000	959	Y	04/10/96		5	4	2D
2812	UST	UST-2812-A-2	JP-4	6,000	see 2811	Y	04/11/96		5	4	2D
3000	UST	UST-3000-A-2	diesel fuel	4,000	185	Y	04/01/96		5	4	2D
3001	UST	UST-3001	#1,2,4-fuel oil	550	40	Y	04/29/96		5	4	2D
3190	UST	UST-3190-A-2	diesel fuel	600	31	Y	04/23/96		5	4	2D
3218	UST	UST-3218	diesel fuel	550	60	Y	04/24/96		5	4	2D
3300	UST	UST-3300-A	diesel fuel	550	12	Y	04/24/96		5	4	2D
3308	UST	UST-3308	diesel fuel	550	96	Y	05/01/96		5	4	2D
3426	UST	UST-3426	#1,2,4-fuel oil	3,000	170	Y	04/01/96		5	4	2D
3578	UST	UST-3578-A-2	#1,2,4-fuel oil	6,000	1148	y	03/26/96		5	4	2D
3582	UST	UST-3582	#1,2,4-fuel oil	750	96	Y	03/26/96		5	4	2D
3583	UST	UST-3583-A-2	diesel fuel	3,000	82	Y	03/25/96		5	4	2D
3584	UST	UST-3584-A	#1,2,4-fuel oil	no tank found	44	Y		05/25/96	5	4	2D
5020	UST	UST-5025	diesel fuel	600	80	Y	05/16/96		4	3	2D
5128	UST	UST-5128	heating oil	1,000	38	Y	05/02/96		4	3	2D
9100	UST	UST-9100-A	diesel fuel	1,000	19	Y	05/17/96		5	4	2D

Notes:

cy = cubic yards

* yards of soil removed is based on the final dimensions of the excavation, less the volume of the removed UST(s)
  Estimated total yards of soil removed = 14957 cy
  Estimated total yards of soil transported to the on-site Landfarm = 13578 cy
  Soil excavated from UST-2658-A site was transported off site for disposal.

UST = underground storage tank

TBD = to be determined

NA = not applicable

TABLE 2
OWS, SEPTIC TANK AND AST REMOVAL SUMMARY

Table 2
OWS, Septic Tank, and AST Removal Summary

Bldg	Tank Type	AFBCA Tank ID	contents	Capacity	Soil Volume * Removed (cy)	Imported Fill (Y/N)	Removal Date	Figure	Area Map	Closure Volume
0408	OWS	OWS-408		1,000	54	Y	03/25/96	6	1	3
0509	OWS	OWS-509	waste oil	1,000	24	Y	04/05/96	7	2	3
2335	OWS	OWS-2335	waste oil	1,000	see USTs	Y	03/04/96	8	3	3
2542	OWS	OWS-2542	waste oil	1,000	179	Y	05/17/96	8	3	3
2548	OWS	OWS-2548-1	waste oil	2,000	97	Y	03/29/96	8	3	3
2565	OWS	OWS-2565		550	54	Y	10/22/96	8	3	3
2658	OWS	OWS-2658	waste diesel	1,000	43	Y	06/03/96	9	4	3
2700	OWS	OWS-2700	waste jet fuel	1,000	624	Y	04/01/96	9	4	3
2763	OWS	OWS-2763-2	none	2,000	212	Y	05/06/96	9	4	3
2763	OWS	OWS-2763-3		500	0	Y	01/29/97	9	4	3
2774	ANB	OTH-2774		1000	45	Y	09/30/96	9	4	3
2815	OWS	OWS-2815	none	550	39	Y	04/16/96	9	4	3
3400	OWS	OWS-3400	none	1000	0	Y	09/10/96	9	4	3
3410	OWS	OWS-3410	none	1,000	149	Y	04/26/96	9	4	3
3520	OWS	OWS-3520		1,000	139	Y	04/29/96	9	4	3
3226	Septic	SPT-3226	sewage	550	0	Y	10/29/96	9	4	3
3400	Septic	SPT-3401	sewage	1000	0	Y	09/19/96	9	4	3
3578	Septic	SPT-3578	sewage	7500	0	Y	09/19/96	9	4	3
177	AST	AST-177-B	#2 fuel oil	275	NA	NA	12/01/95	6	1	3
509	AST	AST-509-B	waste oil	800	NA	NA	04/04/96	7	2	3
701	AST	AST-701-X	Water	100	NA	NA	05/02/96	6	1	3
1807	AST	AST-1807-B	#2 fuel oil	275	NA	NA	04/08/96	9	4	3
1815	AST	AST-1815-B	#2 fuel oil	275	NA	NA	11/29/95	8	3	3
2009	AST	AST-2009-B	diesel fuel	300	NA	NA	11/16/95	8	3	3
2335	AST	AST-2335-N	#2 fuel oil	275	NA	NA	11/17/95	8	3	3
2542	AST	AST-2542	JP-4	600	NA	NA	11/17/95	8	3	3
2551A	AST	AST-2551-A	Gas	10000	NA	NA	11/18/95	8	3	3
2551B	AST	AST-2551-B	Gas	10000	NA	NA	11/18/95	8	3	3
2553	AST	AST-2553	Gas	10000	NA	NA	11/18/95	8	3	3
2658	AST	AST-2658-F	Unkown	275	NA	NA	11/16/95	9	4	3
2700	AST	AST-2700	diesel fuel	5000	NA	NA	04/01/96	9	4	3
2764	AST	AST-2764	diesel fuel	275	NA	NA	11/20/95	9	4	3
3227	AST	AST-3227	diesel fuel	275	NA	NA	11/17/95	9	4	3
3300	AST	AST-3300-B	diesel fuel	100	NA	NA	04/24/96	9	4	3
3400	AST	AST-3400-B	#2 fuel oil	500	NA	NA	11/17/95	9	4	3
3592	AST	AST-3592-B	diesel fuel	500	NA	NA	11/17/95	9	4	3
9100	AST	AST-9100-B	#2 fuel oil	275	NA	NA	05/17/96	9	4	3

Notes: cy - cubic yards

* yards of soil removed is based on the final dimensions of the excavation, less the volume of the removed UST(s)

Estimated total yards of soil removed = 1659 cy

Estimated total yards of soil transported to the on-site Landfarm = 1571 cy

Soil excavated from the OWS-2658 and OTH-2774 sites were transported off site for disposal.

OWS - oil/water separator

ANB - acid nuetralization basin

SPT - septic tank

AST - aboveground storage tank

NA - not applicable

TABLE 3
CLEANUP GOALS FOR CONTAMINANTS OF CONCERN

TABLE 3
CLEANUP GOALS FOR CONTAMINANTS OF CONCERN

Parameter	Soil Cleanup Goal (ng/g)	Water Cleanup Goal (ug/l)
MTBE	1000[1]	50[3]
Benzene	14[1]	0.70[3]
Trichloroethylene	700[2]	5[3]
Toluene	100[1]	5[3]
Ethylbenzene	100[1]	5[3]
m,p-Xylene	100[1]	5[3]
o-Xylene	100[1]	5[3]
Naphthalene	200[1]	10[3]
Acenaphthene	400[1]	20[3]
Fluorene	1000[1]	50[3]
Phenanthrene	1000[1]	50[3]
Anthracene	1000[1]	50[3]
Fluoranthene	1000[1]	50[3]
Pyrene	1000[1]	50[3]
Benzo(a)anthracene	0.04[1]	0.002[3]
Chrysene	0.04[1]	0.002[3]
Benzo(b)fluoranthene	0.04[1]	0.002[3]
Benzo(k)fluoranthene	0.04[1]	0.002[3]
Benzo(a)pyrene	0.04[1]	0.002[3]
Indeno(1,2,3-cd)pyrene	0.04[1]	0.002[3]
Dibenz(a,h)anthracene	1000[1]	50[3]
Benzo(g,h,i)perylene	0.04[1]	0.002[3]

[1] STARS Memo #1 TCLP Alternative Guidance Values - NYSDEC, 1992

[2] TAGM HWR-94-4046 Recommended Soil Cleanup Goals - NYSDEC, 1994

[3] TOGS 1.1.1 - Ambient Water Quality Standards - NYSDEC, 1993

SAMPLE RESULTS MATRIX

SAMPLE MATRIX 1
EXCAVATION SAMPLE RESULTS SUMMARY

Sample Matrix 1 - Excavation Sample Results Summary

Tank ID	Site ID	SampleID	Matrix	Date Sampled	Volatile Analysis Date	Semivolatile Extraction Date	Semivolatile Analysis Date	MTBE	Benzene	Trichloroethylene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylenes, total	Naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
UST-102	Bldg 102	EX102-B	Soil/Solid	01-Dec-95	11-Dec-95	07-Dec-95	09-Dec-95		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX102-B2	Soil/Solid	27-Dec-95	06-Jan-96	03-Jan-96	01-Feb-96		-		-	-	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX102-E	Soil/Solid	01-Dec-95	11-Dec-95	07-Dec-95	08-Dec-95		-		-	-	-	-		-	-	-	+	-	#	#	#	#	-	-	-	-	-	-
		EX102-N	Soil/Solid	01-Dec-95	11-Dec-95	07-Dec-95	08-Dec-95		-		-	-	-	-		-	-	+	+	-	+	+	-	-	-	-	-	-	-	-
		EX102-S	Soil/Solid	01-Dec-95	11-Dec-95	07-Dec-95	09-Dec-95		-		-	-	-	-		-	-	-	+	-	+	+	-	-	-	-	-	-	-	-
		EX102-W	Soil/Solid	01-Dec-95	11-Dec-95	07-Dec-95	08-Dec-95		-		-	-	-	-		-	-	-	+	-	+	+	-	-	-	-	-	-	-	-
UST-177	Bldg 177	EX177-1	Soil/Solid	06-May-96	06-May-96	06-May-96	07-May-96		-	-	+	+	+	+		-	-	+	+	+	+	+	#	#	#	-	-	-	+	#
		EXMFH177-B	Soil/Solid	27-Aug-96		08-Sep-96	13-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH177-B2	Soil/Solid	12-Sep-96	15-Sep-96				-	-	-	-	-	-																
		EXMFH177-C	Soil/Solid	27-Aug-96		09-Sep-96	13-Sep-96									-	-	-	+	-	+	+	-	#	-	#	-	-	-	-
		EXMFH177-C2	Soil/Solid	12-Sep-96	15-Sep-96				-	-	-	-	-	-																
UST-180-C	Bldg 180C	EX180C	Soil/Solid	04-Dec-95	11-Dec-95	08-Dec-95	08-Dec-95		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-200A-A	MFH200A	EXMFH200A	Soil/Solid	30-Jul-96	14-Aug-96	05-Aug-96	19-Aug-96		+		+	+	+	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH200A-LQ	Aqueous	30-Jul-96	01-Aug-96	01-Aug-96	15-Aug-96		-		-	+	+	+		-	-	+	+	-	-	-	-	-	-	-	-	-	-	-
UST-200A-B-2	MFH200	EX200-C	Soil/Solid	18-Dec-95	18-Dec-95	27-Dec-95	28-Dec-95		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-200B-A	MFH200B	EXMFH200B	Soil/Solid	31-Jul-96	14-Aug-96	06-Aug-96	16-Aug-96		-		+	-	-	-		-	-	-	-	-	-	-	-	#	#	#	#	#	+	#
		EXMFH200B-LQ	Aqueous	31-Jul-96	14-Aug-96	01-Aug-96	15-Aug-96		-		-	-	-	-		+	-	+	+	-	-	-	-	-	-	-	-	-	-	-
UST-201A-B-2	MFH201	EX201-C	Soil/Solid	19-Dec-95	20-Dec-95	27-Dec-95	28-Dec-95		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-201B-A	MFH201B	EXMFH201B	Soil/Solid	06-Aug-96	15-Aug-96	20-Aug-96	23-Aug-96		-		+	-	-	-		-	-	-	-	-	+	+	-	-	#	-	-	-	-	-
		EXMFH201B-DUP	Soil/Solid	06-Aug-96	15-Aug-96	15-Aug-96	21-Aug-96		-		+	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-204A-A	MFH204A	EXMFH204A	Soil/Solid	01-Aug-96	15-Aug-96	06-Aug-96	19-Aug-96		-		-	-	-	-		-	-	-	-	-	-	+	-	#	#	#	#	#	+	#
		EXMFH204A-LQ	Aqueous	01-Aug-96	13-Aug-96	06-Aug-96	21-Aug-96		-		-	-	-	-		#	#	#	#	+	-	+	-	-	-	-	-	-	-	-
UST-204B-A	MFH204B	EXMFH204B	Soil/Solid	05-Aug-96	15-Aug-96	12-Aug-96	20-Aug-96		-		-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH204B-DUP	Soil/Solid	05-Aug-96	15-Aug-96	12-Aug-96	21-Aug-96		-		-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH204B-LQ	Aqueous	05-Aug-96	16-Aug-96	07-Aug-96	18-Aug-96		-		-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-204B-B-2	MFH204	EX204-C	Soil/Solid	15-Dec-95	18-Dec-95	19-Dec-95	20-Dec-95		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX204-LQ	Aqueous	04-Jan-96	05-Jan-96	09-Jan-96	09-Jan-96		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-205A-B-2	MFH205	EX205-C	Soil/Solid	19-Dec-95	19-Dec-95	26-Dec-95	27-Dec-95		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-208B-A	MFH208B	EXMFH208B	Soil/Solid	06-Aug-96	16-Aug-96	13-Aug-96	21-Aug-96		-		+	+	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH208B-LQ	Aqueous	06-Aug-96	16-Aug-96	08-Aug-96	18-Aug-96		-		-	+	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-208B-B-2	MFH208	EX208-C	Soil/Solid	14-Dec-95	15-Dec-95	18-Dec-95	20-Dec-95		-		-	-	-	-		#	#	+	+	+	+	+	#	#	-	-	-	-	-	-
		EX208LQ	Aqueous	04-Jan-96	09-Jan-96				-		+	-	#	+																
		EX208LQ-2	Aqueous	16-Jan-96		17-Jan-96	18-Jan-96									+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-209B-B-2	MFH209	EX209-B	Soil/Solid	18-Dec-95	19-Dec-95	26-Dec-95	27-Dec-95		-		-	-	-	-	-	-	-	+	+	-	+	-	-	-	-	-	-	-	-	-
		EX209-C	Soil/Solid	18-Dec-95	19-Dec-95	27-Dec-95	28-Dec-95		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-212B-A	MFH212B	EXMFH212B	Soil/Solid	07-Aug-96	17-Aug-96				-		+	+	-	+																
		EXMFH212B-3	Soil/Solid	16-Sep-96		16-Sep-96	18-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH212B-DUP	Soil/Solid	07-Aug-96	18-Aug-96				-		-	-	-	-																
		EXMFH212B-LQ	Aqueous	08-Aug-96	18-Aug-96	08-Aug-96	18-Aug-96		#		+	+	+	+		+	+	+	+	-	-	-	-	-	-	-	-	-	-	-
UST-212B-B-2	MFH212	EX212-LQ	Aqueous	08-Dec-95	10-Dec-95	11-Dec-95	11-Dec-95		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-213B-B-2	MFH213	EX213-C	Soil/Solid	18-Dec-95	19-Dec-95	26-Dec-95	27-Dec-95		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX213-LQ	Aqueous	04-Jan-96	05-Jan-96	09-Jan-96	09-Jan-96		-		-	-	-	#		+	-	-	+	-	+	+	-	#	-	-	-	#	-	#
UST-216B-B-2	MFH216	EX216-LQ	Aqueous	06-Dec-95	10-Dec-95	09-Dec-95	11-Dec-95		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-217A-A	MFH217A	EXMFH217A	Soil/Solid	07-Aug-96	18-Aug-96				-		-	-	-	-																
		EXMFH217A-2	Soil/Solid	22-Aug-96		27-Aug-96	11-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH217A-LQ2	Aqueous	22-Aug-96		26-Aug-96	08-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-217B-B-2	MFH217	EX217-B	Soil/Solid	18-Dec-95	18-Dec-95	27-Dec-95	28-Dec-95		-		+	+	+	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX217-C	Soil/Solid	18-Dec-95	18-Dec-95	27-Dec-95	28-Dec-95		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH217-LQ	Aqueous	22-Jan-96	25-Jan-96	24-Jan-96	24-Jan-96		-		-	-	-	-		-	-	+	+	-	+	+	#	-	-	-	-	-	-	-

Key blank = not analyzed, (-) = not detected, (+) = detected, below regulatory limit, (#) = detected, above regulatory limit

Sample Matrix 1 - Excavation Sample Results Summary

Tank ID	Site ID	SampleID	Matrix	Date Sampled	Volatile Analysis Date	Semivolatile Extraction Date	Semivolatile Analysis Date	MTBE	Benzene	Trichloroethylene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylenes, total	Naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
UST-220B-A	MFH220B	EXMFH220B	Soil/Solid	29-Aug-96		09-Sep-96	15-Sep-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH220B-2	Soil/Solid	19-Sep-96	03-Oct-96				-		-	+			-																
		EXMFH220B-LQ	Aqueous	29-Aug-96		05-Sep-96	10-Sep-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH220B-LQ2	Aqueous	19-Sep-96	01-Oct-96				-		-	-			-																
UST-220B-B-2	MFH220	EX220-LQ	Aqueous	05-Dec-95	09-Dec-95	09-Dec-95	09-Dec-95		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-221A-A	MFH221A	EXMFH221A	Soil/Solid	29-Aug-96		09-Sep-96	14-Sep-96									-	-	+	+	+	-	+	-	-	-	-	-	-	-	-	-
		EXMFH221A-2	Soil/Solid	19-Sep-96	01-Oct-96				-		-	-			-																
		EXMFH221A-LQ	Aqueous	08-Aug-96	17-Aug-96	14-Aug-96	22-Aug-96		-		+	-	#	+		#	#	#	#	-	-	#	-	-	-	-	-	-	-	-	-
UST-221A-B-2	MFH221	EX221C	Soil/Solid	14-Dec-95	15-Dec-95	18-Dec-95	19-Dec-95		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX221LQ	Aqueous	04-Jan-96	05-Jan-96	08-Jan-96	09-Jan-96		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-221B-A	MFH221B	EX221B-2	Soil/Solid	01-Feb-96	03-Feb-96	01-Feb-96	02-Feb-96		-		-	-	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX221B-2LQ	Aqueous	01-Feb-96	03-Feb-96	02-Feb-96	07-Feb-96		-		-	+	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX221B-3LQ	Aqueous	08-Feb-96		08-Feb-96	09-Feb-96									+	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-
UST-224A-A	MFH224A	EXMFH224A	Soil/Solid	09-Aug-96	19-Aug-96	20-Aug-96	22-Aug-96		-		-	-	-	-		-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-
		EXMFH224A-LQ	Aqueous	04-Nov-96	06-Nov-96	06-Nov-96	11-Nov-96		-		-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-224B-B-2	MFH224B	EX224-LQ	Aqueous	05-Dec-95	09-Dec-95	09-Dec-95	09-Dec-95		-		-	-	+	-		-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-
UST-225A-A	MFH225A	EXMFH225A	Soil/Solid	09-Aug-96	19-Aug-96	20-Aug-96	22-Aug-96		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-225B-A	MFH225B	EXMFH225B	Soil/Solid	22-Aug-96	07-Sep-96	27-Aug-96	10-Sep-96		-		-	+	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH225B-LQ	Aqueous	22-Aug-96		28-Aug-96	08-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH225B-LQ2	Aqueous	02-Oct-96	05-Oct-96				-		-	-	-	-																	
UST-225B-B-2	MFH225	EX225-LQ	Aqueous	08-Dec-95	10-Dec-95	11-Dec-95	11-Dec-95		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-229A-A	MFH229A	EXMFH229A	Soil/Solid	12-Aug-96	21-Aug-96	21-Aug-96	22-Aug-96		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH229A-LQ	Aqueous	12-Aug-96	20-Aug-96	15-Aug-96	20-Aug-96		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-229B-B-2	MFH229	EX229-LQ	Aqueous	07-Dec-95	09-Dec-95	11-Dec-95	11-Dec-95		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	#	+	-
UST-233B-B-2	MFH233	EX233-LQ	Aqueous	07-Dec-95	09-Dec-95	09-Dec-95	09-Dec-95		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-237A-A	MFH237A	EXMFH237A	Soil/Solid	12-Aug-96	22-Aug-96	21-Aug-96	23-Aug-96		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH237A-LQ	Aqueous	04-Nov-96	06-Nov-96	06-Nov-96	11-Nov-96		-		-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-237B-A	MFH237B	EXMFH237B	Soil/Solid	12-Aug-96	21-Aug-96	21-Aug-96	23-Aug-96		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH237B-LQ	Aqueous	12-Aug-96	19-Aug-96	15-Aug-96	20-Aug-96		-		+	#	#	+		#	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-
UST-237B-B-2	MFH237	EX237-LQ	Aqueous	06-Dec-95	10-Dec-95	09-Dec-95	12-Dec-95		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-241A-B-2	MFH241A	EX241-LQ	Aqueous	05-Dec-95		05-Dec-95	10-Dec-95		#		#	#	#	#		+	-	-	+	+	-	+	-	-	-	-	-	-	-	-	-
OWS-408	Bldg 408	EX408-1	Soil/Solid	25-Mar-96	27-Mar-96	25-Mar-96	26-Mar-96	-	-	-	-	-	-	-		-	+	+	#	+	#	#	#	#	#	#	#	#	-	#
UST-426-A	Bldg 426	EX426-1	Soil/Solid	04-Jun-96	14-Jun-96	08-Jun-96	10-Jun-96		-	-	-	-	+	+		-	-	-	+	+	#	#	#	#	#	-	#	-	-	-
		EX426-2	Soil/Solid	01-Jul-96	10-Jul-96	03-Jul-96	11-Jul-96		+	-	-	-	-	+		-	-	-	+	+	+	+	#	#	#	#	#	#	-	#
		EX426-LQ2	Aqueous	01-Jul-96	10-Jul-96				#	-	-	-	-	+																
UST-476	Bldg 476	EX476-C	Soil/Solid	13-Dec-95	15-Dec-95	18-Dec-95	19-Dec-95		-		-	-	-	-		-	-	-	+	-	+	+	-	-	-	-	-	-	-	-
		EX476-E	Soil/Solid	13-Dec-95	15-Dec-95	18-Dec-95	19-Dec-95		-		-	-	+	+		-	-	-	+	-	+	+	-	-	-	-	-	-	-	-
		EX476-S	Soil/Solid	13-Dec-95	18-Dec-95	18-Dec-95	19-Dec-95		-		-	-	-	+		-	-	-	+	-	-	-	-	-	-	-	-	-	-	-
UST-483	Bldg 483	EX483-1	Soil/Solid	23-Jan-96	31-Jan-96	29-Jan-96	30-Jan-96		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX483C	Soil/Solid	14-Dec-95	15-Dec-95	19-Dec-95	20-Dec-95		-		-	-	-	-		-	-	-	+	-	+	+	-	-	-	-	-	-	-	-
UST-485	Bldg 485	EX485-1	Soil/Solid	07-May-96	14-May-96	07-May-96	08-May-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-492	Bldg 492	EX492-1	Soil/Solid	06-May-96	14-May-96	06-May-96	08-May-96		+	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-505-A	Bldg 505	EX505-B	Soil/Solid	06-Dec-95	10-Dec-95	08-Dec-95	10-Dec-95		-		-	+	+	+		-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-
		EX505-E	Soil/Solid	06-Dec-95	11-Dec-95	12-Dec-95	13-Dec-95		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX505-N	Soil/Solid	06-Dec-95	11-Dec-95	12-Dec-95	13-Dec-95		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX505-S	Soil/Solid	06-Dec-95	14-Dec-95	08-Dec-95	10-Dec-95		-		-	-	+	-		-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-
		EX505-W	Soil/Solid	06-Dec-95	11-Dec-95	12-Dec-95	13-Dec-95		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-508-A	Bldg 508	EX508-1	Soil/Solid	29-May-96	11-Jun-96	07-Jun-96	08-Jun-96		-	+	-	-	-	-		-	-	-	-	-	+	+	-	-	-	-	-	-	-	-	-
UST-509-A and OWS-509	Bldg 509	EX509	Soil/Solid	21-May-96	23-May-96	29-May-96	31-May-96		-	+	-	-	-	-		-	-	-	+	-	+	+	-	-	-	-	-	-	-	-	-
		EX509-1	Soil/Solid	01-May-96	01-May-96	01-May-96	07-May-96	-	-	+	-	-	-	-		-	-	+	#	+	#	#	#	#	#	#	#	#	-	#

Key blank = not analyzed, (-) = not detected, (+) = detected, below regulatory limit, (#) = detected, above regulatory limit

Sample Matrix 1 - Excavation Sample Results Summary

Tank ID	Site ID	SampleID	Matrix	Date Sampled	Volatile Analysis Date	Semivolatile Extraction Date	Semivolatile Analysis Date	MTBE	Benzene	Trichloroethylene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylenes, total	Naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(e)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
UST-601	Bldg 601	EX601-1	Soil/Solid	07-May-96	17-May-96	07-May-96	08-May-96	+	+	+	+	+	+			-	-	-	-	-	+	-	-	-	-	-	-	-	-	-
		EX601-1DUP	Soil/Solid	07-May-96	17-May-96	07-May-96	08-May-96	+	+	+	+	+	+			-	-	-	-	-	+	+	-	-	-	-	-	-	-	-
UST-609	Bldg 609	EX609-1	Soil/Solid	22-Jul-96		23-Jul-96	25-Jul-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-610	Bldg 610	EX610-1	Soil/Solid	02-Jan-96		03-Jan-96	13-Jan-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX610-2	Soil/Solid	17-May-96	31-May-96	17-May-96	22-May-96	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX610-B	Soil/Solid	07-Dec-95	12-Dec-95	09-Dec-95	12-Dec-95	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX610-B2	Soil/Solid	28-Dec-95	06-Jan-96	03-Jan-96	03-Jan-96	-		+	-	+	+			-	+	+	+	+	+	+	#	#	-	-	-	-	-	-
		EX610-NE	Soil/Solid	07-Dec-95	11-Dec-95	09-Dec-95	11-Dec-95	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX610-NW	Soil/Solid	07-Dec-95	11-Dec-95	09-Dec-95	12-Dec-95	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX610-SE	Soil/Solid	07-Dec-95	11-Dec-95	09-Dec-95	11-Dec-95	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX610-SW	Soil/Solid	07-Dec-95	12-Dec-95	09-Dec-95	11-Dec-95	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-614	Bldg 614	EX614-1	Soil/Solid	08-Dec-95		12-Dec-95	13-Dec-95									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX614-2	Soil/Solid	16-May-96	23-May-96	17-May-96	22-May-96	-	+	-	-	-	-			-	-	-	+	-	+	+	-	-	-	-	-	-	-	-
		EX614-E	Soil/Solid	08-Dec-95	12-Dec-95	12-Dec-95	13-Dec-95	-		-	+	+	+			-	-	-	+	-	-	-	-	-	-	-	-	-	-	-
UST-639	Bldg 639	EX639-2	Soil/Solid	20-Jun-96	26-Jun-96	25-Jun-96	25-Jun-96	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX639-B	Soil/Solid	11-Dec-95	13-Dec-95	14-Dec-95	18-Dec-95	-		+	+	+	+			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX639-E	Soil/Solid	11-Dec-95	13-Dec-95	15-Dec-95	18-Dec-95	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX639-N	Soil/Solid	11-Dec-95	13-Dec-95	15-Dec-95	18-Dec-95	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX639-S	Soil/Solid	11-Dec-95	13-Dec-95	15-Dec-95	18-Dec-95	-		-	+	+	+			-	-	-	-	-	+	+	-	-	-	-	-	-	-	-
		EX639-W	Soil/Solid	11-Dec-95	13-Dec-95	14-Dec-95	27-Dec-95	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-640	Bldg 640	EX640-1	Soil/Solid	11-Dec-95	12-Dec-95	13-Dec-95	14-Dec-95	-		+	+	+	+			#	-	+	#	+	#	#	#	#	-	-	-	-	-	-
		EX640-2	Soil/Solid	20-Jun-96	27-Jun-96	25-Jun-96	25-Jun-96	-	-	-	+	-	+			-	-	-	+	-	+	+	-	-	-	-	-	-	-	-
		EX640-B	Soil/Solid	11-Dec-95	12-Dec-95	12-Dec-95	14-Dec-95	-		+	+	#	#			#	-	+	#	+	#	#	#	#	#	-	-	-	-	-
		EX640-S	Soil/Solid	11-Dec-95	12-Dec-95	12-Dec-95	14-Dec-95	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX640-W	Soil/Solid	11-Dec-95	12-Dec-96	13-Dec-95	14-Dec-95	-		-	-	-	-			-	-	-	+	-	+	+	-	#	-	-	-	-	+	#
UST-646	Bldg 646	EX646-C	Soil/Solid	12-Dec-95	14-Dec-95	15-Dec-95	18-Dec-95	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX646-E	Soil/Solid	12-Dec-95	14-Dec-95	15-Dec-95	18-Dec-95	-		-	-	+	+			-	-	-	-	-	+	+	-	-	-	-	-	-	-	-
UST-652	Bldg 652	EX652-M1	Soil/Solid	15-May-96	21-May-96	15-May-96	18-May-96	-	-	-	-	-	-			-	-	-	+	-	-	-	-	-	-	-	-	-	-	-
UST-653	Bldg 653	EX653-1	Soil/Solid	07-May-96	14-May-96	07-May-96	18-May-96	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-701	Bldg 701	EX701-1	Soil/Solid	30-Nov-95	01-Dec-95	13-Dec-95	14-Dec-95	-		-	-	-	+			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX701-NE	Soil/Solid	01-Dec-95	01-Dec-95	13-Dec-95	14-Dec-95	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-751	Bldg 751	EX751-1	Soil/Solid	01-Dec-95	01-Dec-95	13-Dec-95	14-Dec-95	-		-	-	-	-			-	-	-	+	-	+	+	-	-	-	-	-	-	-	-
UST-800-A	MFH800	EXMFH800-1	Soil/Solid	13-Aug-96	22-Aug-96	22-Aug-96	23-Aug-96	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH800-2	Soil/Solid	13-Aug-96	23-Aug-96	23-Aug-96	26-Aug-96	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH800-3	Soil/Solid	13-Aug-96	22-Aug-96	23-Aug-96	26-Aug-96	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-804-A	MFH804	EXMFH804	Soil/Solid	19-Aug-96	22-Aug-96	23-Aug-96	26-Aug-96	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH804DUP	Soil/Solid	19-Aug-96	22-Aug-96	23-Aug-96	26-Aug-96	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-805A-A	MFH805A	EX805A	Soil/Solid	22-Feb-96	22-Feb-96	23-Feb-96	26-Feb-96	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX805A-DUP	Soil/Solid	22-Feb-96	22-Feb-96	26-Feb-96	26-Feb-96	-		+	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-809B-A	MFH809B	EXMFH809B	Soil/Solid	20-Aug-96	23-Aug-96	26-Aug-96	09-Sep-96	-		-	+	-	+			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-813A-A	MFH813A	EXMFH813A	Soil/Solid	19-Aug-96	23-Aug-96	23-Aug-96	26-Aug-96	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-813B-A	MFH813B	EXMFH813B	Soil/Solid	21-Aug-96	27-Aug-96	26-Aug-96	27-Aug-96	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-816B-A	MFH816B	EXMFH816B	Soil/Solid	20-Aug-96	23-Aug-96	26-Aug-96	09-Sep-96	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-821B-A	MFH821B	EXMFH821B	Soil/Solid	29-Aug-96	05-Sep-96	09-Sep-96	14-Sep-96	-		-	-				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH821B-2	Soil/Solid	19-Sep-96	03-Oct-96			-		-	-			-																
UST-825A-A	MFH825A	EX825A-1	Soil/Solid	04-Mar-96	05-Mar-96	04-Mar-96	07-Mar-96	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-825B-A	MFH825B	EX825B	Soil/Solid	26-Feb-96	28-Feb-96	26-Feb-96	28-Feb-96	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX825B-DUP	Soil/Solid	26-Feb-96	28-Feb-96	26-Feb-96	28-Feb-96	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-829B-A	MFH829B	EX829-B1	Soil/Solid	04-Mar-96	05-Mar-96	04-Mar-96	07-Mar-96	-		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-832A-A	MFH832A	EXMFH832A	Soil/Solid	20-Aug-96		23-Aug-96	26-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH832A-2	Soil/Solid	06-Sep-96	18-Sep-96			-		-	-	-	-																	

Key blank = not analyzed, (-) = not detected, (+) = detected, below regulatory limit, (#) = detected, above regulatory limit

Sample Matrix 1 - Excavation Sample Results Summary

Tank ID	Site ID	SampleID	Matrix	Date Sampled	Volatile Analysis Date	Semivolatile Extraction Date	Semivolatile Analysis Date	MTBE	Benzene	Trichloroethylene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylenes, total	Naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
UST-833A-A	MFH833A	EXMFH833A	Soil/Solid	21-Aug-96	27-Aug-96	27-Aug-96	09-Sep-96	-			-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-833B-A	MFH833B	EXMFH833B	Soil/Solid	23-Aug-96		06-Sep-96	11-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH833B-2	Soil/Solid	09-Sep-96	18-Sep-96			-			-	-	-	-															
UST-836A-A	MFH836A	EXMFH836A	Soil/Solid	20-Aug-96	27-Aug-96	26-Aug-96	27-Aug-96	-			-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-844A-A	MFH844A	EXMFH844A	Soil/Solid	21-Aug-96	27-Aug-96	27-Aug-96	28-Aug-96	-			-	-	-	-		-	-	-	-	-	-	-	-	#	-	-	-	-	-
UST-848A-A	MFH848A	EXMFH848A	Soil/Solid	21-Aug-96	27-Aug-96	27-Aug-96	28-Aug-96	-			-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-849A-A	MFH849A	EXMFH849A	Soil/Solid	05-Sep-96	18-Sep-96	11-Sep-96	16-Sep-96	-			-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-851B-A	MFH851B	EXMFH851B	Soil/Solid	22-Aug-96		27-Aug-96	09-Sep-96									-	-	-	+	+	+	+	#	#	#	#	#	#	-	#
		EXMFH851B-2	Soil/Solid	18-Sep-96	01-Oct-96			-			-	-	-	-															
UST-861B-A	MFH861B	EXMFH861B	Soil/Solid	06-Sep-96	18-Sep-96	11-Sep-96	17-Sep-96	-			-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH861B-LQ	Aqueous	28-Aug-96		05-Sep-96	10-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH861B-LQ2	Aqueous	13-Sep-96	24-Sep-96			-			-	-	-	-															
UST-865B-A	MFH865B	EXMFH865B-2	Soil/Solid	13-Sep-96	24-Sep-96	16-Sep-96	18-Sep-96	-			-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH865B-LQ	Aqueous	28-Aug-96		05-Sep-96	10-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH865B-LQ2	Aqueous	13-Sep-96	24-Sep-96			-			-	-	-	-															
UST-868A-A	MFH868A	EXMFH868A	Soil/Solid	23-Aug-96		06-Sep-96	11-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH868A-2	Soil/Solid	02-Oct-96	07-Oct-96			-			-	-	-	-															
UST-869A-A	MFH869A	EXMFH869A	Soil/Solid	16-Sep-96	25-Sep-96	18-Sep-96	19-Sep-96	-			-	-	-	-		-	-	-	+	-	-	+	-	-	-	-	-	-	-
		EXMFH869A-LQ	Aqueous	16-Sep-96	25-Sep-96	19-Sep-96	21-Sep-96	-			-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-869B-A	MFH869B	EXMFH869B	Soil/Solid	17-Sep-96	25-Sep-96	19-Sep-96	20-Sep-96	-			-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH869B-LQ	Aqueous	29-Aug-96	05-Sep-96	05-Sep-96	10-Sep-96	-			-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH869B-LQ2	Aqueous	13-Sep-96		13-Sep-96	21-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH869B-LQ3	Aqueous	17-Sep-96	25-Sep-96			-			-	-	-	-															
UST-871A-A	MFH871A	EXMFH871A-1	Soil/Solid	05-Jan-96	10-Jan-96	13-Jan-96	14-Jan-96	-			-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH871A-2	Soil/Solid	05-Jan-96	06-Jan-96	13-Jan-96	14-Jan-96	-			+	-	+	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-872B-A	MFH872B	EXMFH872B	Soil/Solid	23-Aug-96		06-Sep-96	11-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH872B-2	Soil/Solid	09-Sep-96	19-Sep-96			-			-	-	-	-															
		EXMFH872B-DUP	Soil/Solid	23-Aug-96		06-Sep-96	11-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH872BDP-2	Soil/Solid	09-Sep-96	18-Sep-96			-			-	-	-	-															
UST-875A-A	MFH875A	EXMFH875A	Soil/Solid	16-Sep-96	24-Sep-96	18-Sep-96	19-Sep-96	-			-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH875A-LQ	Aqueous	29-Aug-96		05-Sep-96	10-Sep-96									#	-	-	-	-	-	-	-	#	-	-	-	-	-
		EXMFH875A-LQ2	Aqueous	16-Sep-96	25-Sep-96			-			-	-	-	-															
		EXMFH875A-LQD	Aqueous	29-Aug-96		05-Sep-96	10-Sep-96									#	-	-	-	-	-	-	-	#	-	-	-	-	-
UST-875B-A	MFH875B	EXMFH875B	Soil/Solid	29-Aug-96		09-Sep-96	14-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH875B-2	Soil/Solid	19-Sep-96	03-Oct-96			-			-	-			-														
		EXMFH875B-LQ	Aqueous	29-Aug-96		05-Sep-96	10-Sep-96									-	-	+	+	-	-	-	-	-	-	-	-	-	-
		EXMFH875B-LQ2	Aqueous	19-Sep-96	01-Oct-96			-			-	-			-														
UST-880A-A	MFH880A	EXMFH880A	Soil/Solid	23-Aug-96	04-Sep-96	07-Sep-96	12-Sep-96	-			-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH880A-2	Soil/Solid	09-Sep-96	20-Sep-96			-			-	-	-	-															
UST-881A-A	MFH881A	EXMFH881A	Soil/Solid	05-Sep-96	18-Sep-96	11-Sep-96	16-Sep-96	-			-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH881A-LQ	Aqueous	05-Sep-96	18-Sep-96	13-Sep-96	16-Sep-96	-			-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-884A-A	MFH884A	EX884A-1	Soil/Solid	05-Mar-96	06-Mar-96	17-Mar-96	19-Mar-96	-			-	-	-	-		-	-	-	+	-	-	-	-	-	-	-	-	-	-
UST-884B-A	MFH884B	EXMFH884B	Soil/Solid	23-Aug-96		07-Sep-96	12-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH884B-2	Soil/Solid	10-Sep-96	19-Sep-96			-			-	-	-	-															
		EXMFH884B-3	Soil/Solid	02-Oct-96	08-Oct-96			-			-	-			-														
		EXMFH884B-LQ	Aqueous	23-Aug-96	29-Aug-96	28-Aug-96	10-Sep-96	-			+	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH884B-LQ2	Aqueous	09-Sep-96	18-Sep-96			-			-	-	-	-															
UST-892A-A	MFH892A	EXMFH892A	Soil/Solid	26-Aug-96		09-Sep-96	12-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH892A-2	Soil/Solid	10-Sep-96	18-Sep-96			-			-	-	-	-															
UST-892B-A	MFH892B	EXMFH892B	Soil/Solid	26-Aug-96		07-Sep-96	12-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH892B-2	Soil/Solid	10-Sep-96	19-Sep-96			-			-	-	-	-															

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Sample Matrix 1 - Excavation Sample Results Summary

Tank ID	Site ID	SampleID	Matrix	Date Sampled	Volatile Analysis Date	Semivolatile Extraction Date	Semivolatile Analysis Date	MTBE	Benzene	Trichloroethylene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylenes, total	Naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
UST-896B-A	MFH896B	EXMFH896B	Soil/Solid	26-Aug-96		07-Sep-96	12-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH896B-2	Soil/Solid	10-Sep-96	19-Sep-96				-		-	-	-	-	-															
UST-900B-A	MFH900B	EXMFH900B	Soil/Solid	11-Sep-96	20-Sep-96				-		-	-	-	-																
		EXMFH900B-2	Soil/Solid	17-Sep-96		19-Sep-96	20-Sep-96									-	+	+	+	-	-	+	-	-	-	-	-	-	-	-
		EXMFH900B-LQ	Aqueous	27-Aug-96		28-Aug-96	10-Sep-96									#	#	#	#	+	-	+	-	-	-	-	-	-	-	-
		EXMFH900B-LQ2	Aqueous	11-Sep-96	20-Sep-96				-		-	-	-	-																
		EXMFH900BDUP	Soil/Solid	17-Sep-96		18-Sep-96	20-Sep-96									-	+	+	+	-	-	+	-	-	-	-	-	-	-	-
UST-908A-A	MFH908A	EXMFH908A-2	Soil/Solid	11-Sep-96	23-Sep-96	16-Sep-96	18-Sep-96		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-924A-A	MFH924A	EX924A-E	Soil/Solid	15-Mar-96	15-Mar-96	15-Mar-96	16-Mar-96		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX924A-LQ	Aqueous	15-Mar-96	19-Mar-96	21-Mar-96	28-Mar-96		-		-	-	-	-		+	-	-	-	+	-	+	-	-	-	-	-	-	-	-
		EX924A-WS	Soil/Solid	15-Mar-96	15-Mar-96	15-Mar-96	16-Mar-96		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-924B-A	MFH924B	EXMFH924B	Soil/Solid	17-Sep-96	27-Sep-96	18-Sep-96	20-Sep-96		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH924B-LQ	Aqueous	27-Aug-96		28-Aug-96	08-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH924B-LQ2	Aqueous	11-Sep-96	19-Sep-96				-		-	-	-	-																
		EXMFH924BLQ2D	Aqueous	11-Sep-96	19-Sep-96				-		-	-	-	-																
UST-928A-A	MFH928A	EXMFH928A	Soil/Solid	28-Aug-96		09-Sep-96	14-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH928A-2	Soil/Solid	13-Sep-96	23-Sep-96				-		-	-	-	-																
		EXMFH928A-LQ	Aqueous	27-Aug-96		28-Aug-96	09-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH928A-LQ2	Aqueous	12-Sep-96	24-Sep-96				-		-	-	-	-																
UST-928A-B	MFH928B	EXMFH928B	Soil/Solid	27-Aug-96		07-Sep-96	12-Sep-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH928B-2	Soil/Solid	12-Sep-96	20-Sep-96				-		-	-	-	-																
		EXMFH928B-LQ	Aqueous	27-Aug-96	11-Sep-96	28-Aug-96	09-Sep-96		-		-	+	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-932B-A	MFH932B	EXMFH932B	Soil/Solid	04-Sep-96	16-Sep-96	11-Sep-96	17-Sep-96		-		-	-	-	-		-	-	-	-	-	-	-	-	-	#	#	-	-	-	-
		EXMFH932B-LQ	Aqueous	04-Sep-96	16-Sep-96	05-Sep-96	10-Sep-96		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-936A-A	MFH936A	EXMFH936A	Soil/Solid	04-Sep-96	16-Sep-96	10-Sep-96	15-Sep-96		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXMFH936A-LQ	Aqueous	04-Sep-96	16-Sep-96	05-Sep-96	10-Sep-96		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-936B-A	MFH936B	EXMFH936B	Soil/Solid	04-Sep-96	16-Sep-96	10-Sep-96	15-Sep-96		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-944-A	MFH944	EXMFH944	Soil/Solid	04-Sep-96	16-Sep-96	10-Sep-96	15-Sep-96		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-948-A	MFH948	EXMFH948	Soil/Solid	05-Sep-96	18-Sep-96	11-Sep-96	16-Sep-96		-		-	-	-	-		-	-	-	-	-	+	+	#	#	-	#	-	-	-	-
UST-960	MFH960	EXMFH960	Soil/Solid	18-Jan-96	19-Jan-96	29-Jan-96	30-Jan-96		-		-	-	-	-		-	-	-	+	-	+	+	#	-	-	-	-	-	-	-
		EXMFH960L	Aqueous	18-Jan-96	19-Jan-96	19-Jan-96	24-Jan-96		-		+	+	#	#		#	-	#	-	#	-	#	#	#	#	#	#	#	+	#
		EXMFH960R	Soil/Solid	18-Jan-96	19-Jan-96	29-Jan-96	31-Jan-96		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-1807	Bldg 1807	EX1807-1	Soil/Solid	28-May-96	03-Jun-96	31-May-96	04-Jun-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX1807-LQ1	Aqueous	28-May-96	31-May-96	28-May-96	29-May-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-1809-A	Bldg 1809 A	EX1809A	Soil/Solid	25-Jun-96	28-Jun-96	26-Jun-96	27-Jun-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX1809A-LQ	Aqueous	25-Jun-96	26-Jun-96	01-Jul-96	02-Jul-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-1809-B, UST-1806	Bldg 1809 B	EX1809B	Soil/Solid	25-Jun-96	26-Jun-96	09-Jul-96	09-Jul-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX1809B-LQ	Aqueous	25-Jun-96	26-Jun-96	28-Jun-96	02-Jul-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-1810	Bldg 1810	EX1810A	Soil/Solid	06-Aug-96	15-Aug-96	09-Aug-96	19-Aug-96		+	-	+	+	+	+		-	-	+	+	+	+	+	-	#	#	-	#	#	-	#
		EX1810A-LQ	Aqueous	06-Aug-96	15-Aug-96	08-Aug-96	18-Aug-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX1810B	Soil/Solid	06-Aug-96	17-Aug-96	12-Aug-96	21-Aug-96		+	-	+	+	#	#		-	-	-	+	+	+	+	#	#	#	-	#	#	+	#
UST-2015-A-2	Bldg 2015	EX2015-1	Soil/Solid	06-May-96	07-May-96	06-May-96	08-May-96		-	-	-	-	-	-		-	-	-	-	-	+	+	-	-	-	-	-	-	-	-
		EX2015-LQ	Aqueous	06-May-96	07-May-96	08-May-96	18-May-96		#	-	#	#	#	#		#	-	+	+	-	-	-	-	-	-	-	-	-	-	-
UST-2065-A	Bldg 2065	EX2065-1	Soil/Solid	21-May-96	22-May-96	30-May-96	31-May-96		-	-	-	-	-	-		-	-	-	+	-	+	+	-	-	-	-	-	-	-	-
		EX2065-LQ1	Aqueous	21-May-96	23-May-96	21-May-96	22-May-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Sample Matrix 1 - Excavation Sample Results Summary

Tank ID	Site ID	SampleID	Matrix	Date Sampled	Volatile Analysis Date	Semivolatile Extraction Date	Semivolatile Analysis Date	MTBE	Benzene	Trichloroethylene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylenes, total	Naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
UST-2335-M, UST-2335-I-2, UST-2335-J-2, UST-2335-K-2, UST-2335-H-2, UST-2335-B, UST-2335-C, UST-2335-D, UST-2335-E, UST-2335-F, UST-2335-G, and OWS-2335	Bldg 2335	EX2335-CE1	Soil/Solid	16-May-96	21-May-96	16-May-96	21-May-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335-CE2	Soil/Solid	16-May-96	21-May-96	16-May-96	21-May-96	-	-	-	-	-	-	-		-	-	-	+	+	+	+	#	-	-	-	-	-	-	-
		EX2335-CE3	Soil/Solid	16-May-96	22-May-96	16-May-96	21-May-96	-	+	+	+	+	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335-CN1	Soil/Solid	16-May-96	21-May-96	17-May-96	21-May-96	-	-	+	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335-CN2	Soil/Solid	16-May-96	21-May-96	17-May-96	21-May-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335-CN3	Soil/Solid	16-May-96	21-May-96	17-May-96	21-May-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335-CS1	Soil/Solid	16-May-96	21-May-96	17-May-96	21-May-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335-CS2	Soil/Solid	16-May-96	21-May-96	17-May-96	22-May-96	-	+	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335-CS3	Soil/Solid	16-May-96	21-May-96	17-May-96	22-May-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335-CW1	Soil/Solid	16-May-96	21-May-96	17-May-96	22-May-96	-	-	-	+	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335-CW2	Soil/Solid	16-May-96	21-May-96	17-May-96	22-May-96	-	-	-	+	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335-LQ2	Aqueous	21-Mar-96	26-Mar-96	21-Mar-96	22-Mar-96	-	#	-	#	#	#	#		+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335-LQ3	Aqueous	26-Jun-96	28-Jun-96	01-Jul-96	02-Jul-96	-	#	-	#	+	#	#		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335-LQ4	Aqueous	02-Aug-96	08-Aug-96	08-Aug-96	18-Aug-96	-	+	-	-	-	#	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335A-LQ	Aqueous	07-Dec-95	09-Dec-95	09-Dec-95	10-Dec-95	-	#		#	#	#	#		#	-	-	-	+	-	-	-	-	-	-	-	-	#	-	-
		EX2335B	Soil/Solid	11-Dec-95	14-Dec-95	18-Dec-95	19-Dec-95	-	#		#	#	#	#		#	-	-	+	-	+	+	-	-	-	-	-	-	-	-	-
		EX2335F	Soil/Solid	12-Dec-95	14-Dec-95	13-Dec-95	14-Dec-95	+	#		+	-	-	#		#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335G	Soil/Solid	12-Dec-95	14-Dec-95	13-Dec-95	14-Dec-95	-	#		#	#	#	#		#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335H	Soil/Solid	19-Dec-95	20-Dec-95	03-Jan-96	01-Feb-96	+	-		+	+	#	#		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335H-LQ	Aqueous	19-Dec-95		04-Jan-96	05-Jan-96	#	#		#	#	#	#		#	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335I	Soil/Solid	20-Dec-95	21-Dec-95	27-Dec-95	28-Dec-95	-	-		+	-	+	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335I-LQ	Aqueous	20-Dec-95	04-Jan-96			-	-		+	+	#	#																	
		EX2335LQ	Aqueous	03-Jan-96		05-Jan-96	08-Jan-96	#	#		#	#	#	#		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335NE	Soil/Solid	03-Jan-96	06-Jan-96	13-Jan-96	14-Jan-96	-	-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335NW	Soil/Solid	03-Jan-96	06-Jan-96	13-Jan-96	14-Jan-96	+	-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2335SW	Soil/Solid	03-Jan-96	06-Jan-96	13-Jan-96	14-Jan-96	-	-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXGS-1	Soil/Solid	04-Dec-95	11-Dec-95	07-Dec-95	09-Dec-95	-	-		+	+	+	+		#	-	-	+	-	+	+	-	-	-	-	-	-	-	-	-
		SS2335	Soil/Solid	13-Dec-95	16-Dec-95	14-Dec-95	17-Dec-95	-	-		+	-	+	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-2380	Bldg 2380	EX2380-1	Soil/Solid	08-May-96	15-May-96	08-May-96	18-May-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2380-LQ1	Aqueous	08-May-96	16-May-96	17-May-96	22-May-96		#	+	+	+	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-2385	Bldg 2385	EX2385-1	Soil/Solid	30-May-96	31-May-96	31-May-96	08-Jun-96		-	+	-	-	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OWS-2542	Bldg 2542	EX2542-1	Soil/Solid	17-May-96	22-May-96	17-May-96	22-May-96	-	+	+	+	#	+	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2542-LQ1	Aqueous	17-May-96	23-May-96	21-May-96	22-May-96		#	-	#	#	#	#		#	-	+	+	-	+	+	-	-	-	-	-	-	-	-	-
UST-2548	Bldg 2548	EX2548-1	Soil/Solid	22-May-96	31-May-96	30-May-96	31-May-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2548-LQ1	Aqueous	22-May-96	23-May-96	28-May-96	29-May-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXOWS2548	Soil/Solid	11-Jun-96	23-Jun-96	25-Jun-96	25-Jun-96	-	-	+	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXOWS2548-LQ	Aqueous	11-Jun-96	22-Jun-96	17-Jun-96	20-Jun-96	-	-	+	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AST-2551-A, AST-2551-B, AST-2553	Bldg 2554	EX2551	Soil/Solid	13-Nov-96	14-Nov-96	15-Nov-96	19-Nov-96	-	-		-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2551-LQ	Aqueous	13-Nov-96	15-Nov-96	15-Nov-96	15-Nov-96	+	-		-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-2552-A-2	Bldg 2552	EX2552	Soil/Solid	14-Nov-96	19-Nov-96	19-Nov-96	19-Nov-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2552-DUP	Soil/Solid	14-Nov-96	19-Nov-96	19-Nov-96	19-Nov-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2552-LQ	Aqueous	14-Nov-96	18-Nov-96			-	-	-	-	-			#																
		EX2552-LQ2	Aqueous	15-Nov-96		19-Nov-96	19-Nov-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-2555-A UST-2555-B UST-2558-B	Bldg 2555	EX2555	Soil/Solid	06-Sep-96	16-Sep-96	12-Sep-96	16-Sep-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2555LQ	Aqueous	12-Sep-96	16-Sep-96	13-Sep-96	16-Sep-96		#	-	+	+	#	+		-	-	-	-	-	-	+	-	#	-	-	-	-	-	-	-
		EX2555N	Soil/Solid	12-Sep-96	16-Sep-96	12-Sep-96	16-Sep-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OWS-2565	Bldg 2565	EXOWS2565	Soil/Solid	04-Nov-96	07-Nov-96	06-Nov-96	11-Nov-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXOWS2565-LQ	Aqueous	04-Nov-96	06-Nov-96	06-Nov-96	11-Nov-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-2640-A-2 and UST-2640-B-2	Bldg 2640	EX2640-1	Soil/Solid	23-Apr-96	25-Apr-96	24-Apr-96	30-Apr-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2640-LQ	Aqueous	23-Apr-96	24-Apr-96	29-Apr-96	01-May-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Key blank = not analyzed, (-) = not detected, (+) = detected, below regulatory limit, (#) = detected, above regulatory limit

Sample Matrix 1 - Excavation Sample Results Summary

Tank ID	Site ID	SampleID	Matrix	Date Sampled	Volatile Analysis Date	Semivolatile Extraction Date	Semivolatile Analysis Date	MTBE	Benzene	Trichloroethylene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylenes, total	Naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
UST-2658-A	Bldg 2658	EX2658-C1	Soil/Solid	01-Aug-96	15-Aug-96	05-Aug-96	21-Aug-96	-	-	-	+	-	-	-		+	#	#	#	+	+	#	-	#	#	#	#	-	-	-
		EX2658-C2	Soil/Solid	01-Aug-96	15-Aug-96	05-Aug-96	21-Aug-96	-	+	-	+	-	+	-		#	#	#	#	#	#	#	-	#	#	#	#	-	-	-
		EX2658-C3	Soil/Solid	01-Aug-96	15-Aug-96	05-Aug-96	19-Aug-96	-	-	-	-	-	-	-		-	-	+	+	+	#	+	#	#	#	#	#	#	+	#
		EX2658-DUP	Soil/Solid	23-May-96	31-May-96	31-May-96	31-May-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2658-LQ2	Aqueous	01-Aug-96	15-Aug-96	06-Aug-96	18-Aug-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-2658-B	Bldg 2658-1K	EX2658-1K	Soil/Solid	23-May-96	04-Jun-96	31-May-96	31-May-96		+	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OWS-2700	Bldg 2700	EX2700-1	Soil/Solid	01-May-96	06-May-96	07-May-96	08-May-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2700-2	Soil/Solid	25-Jul-96	08-Aug-96	06-Aug-96	13-Aug-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2700-2DUP	Soil/Solid	25-Jul-96	09-Aug-96	06-Aug-96	13-Aug-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2700-2LQ	Aqueous	25-Jul-96	01-Aug-96	30-Jul-96	13-Aug-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2700-LQ	Aqueous	01-Apr-96	12-Apr-96	08-Apr-96	10-Apr-96	-	-	+	-	-	-	+		-	-	-	+	-	-	-	-	-	-	-	-	-	-	-
		EX2700-N	Soil/Solid	01-Apr-96	11-Apr-96	01-Apr-96	02-Apr-96	-	-	+	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2700-S	Soil/Solid	01-Apr-96	12-Apr-96	01-Apr-96	02-Apr-96	-	-	+	+	+	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-2704	Bldg 2704	EX2704-1	Soil/Solid	28-Jun-96	11-Jul-96	09-Jul-96	10-Jul-96		-	-	+	-	#	-		#	-	+	+	-	-	-	-	-	-	-	-	-	-	-
		EX2704-2	Soil/Solid	14-Aug-96	27-Aug-96	23-Aug-96	26-Aug-96		+	-	+	#	#	#		+	-	-	+	-	-	-	-	-	-	-	-	-	-	-
		EX2704-LQ	Aqueous	28-Jun-96		02-Jul-96	13-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2704-LQ2	Aqueous	18-Jul-96	22-Jul-96				-	-	-	-	-	+																
		EX2704-LQ3	Aqueous	14-Aug-96	26-Aug-96	15-Aug-96	20-Aug-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-2752	Bldg 2752	EX2752-1	Soil/Solid	15-Apr-96	18-Apr-96	16-Apr-96	18-Apr-96		-	+	+	+	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2752-LQ	Aqueous	15-Apr-96	16-Apr-96	18-Apr-96	22-Apr-96		-	-	+	+	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OWS-2763-2	Bldg 2763	EX2763-1	Soil/Solid	08-May-96	17-May-96	08-May-96	09-May-96	-	+	+	+	+	+	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OWS-2763-3		EX2763-3	Soil/Solid	30-Jan-97	04-Feb-97	03-Feb-97	03-Feb-97	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2763-LQ3	Aqueous	30-Jan-97	04-Feb-97	03-Feb-97	03-Feb-97	-	-	#	+	+			#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTH-2774	Bldg 2774	EX2774	Soil/Solid	03-Oct-96	08-Oct-96	04-Oct-96	05-Oct-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-2811-A-2, UST-2812-A-2	Tank 2812	EX2812-E1	Soil/Solid	15-Apr-96	17-Apr-96	15-Apr-96	18-Apr-96	+	-	-	+	-	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2812-LQ	Aqueous	15-Apr-96	16-Apr-96	18-Apr-96	22-Apr-96	-	#	-	#	+	#	+		-	-	+	+	-	-	-	-	-	-	-	-	-	-	-
		EX2812-N1	Soil/Solid	15-Apr-96	16-Apr-96	15-Apr-96	18-Apr-96	-	-	-	-	-	+	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2812-S1	Soil/Solid	15-Apr-96	17-Apr-96	15-Apr-96	18-Apr-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2812-S2	Soil/Solid	15-Apr-96	16-Apr-96	16-Apr-96	18-Apr-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2812-W1	Soil/Solid	15-Apr-96	17-Apr-96	16-Apr-96	18-Apr-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OWS-2815	Bldg 2815	EX2815	Soil/Solid	16-Apr-96	17-Apr-96	16-Apr-96	18-Apr-96	-	-	-	+	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX2815-LQ	Aqueous	16-Apr-96	17-Apr-96	18-Apr-96	22-Apr-96	-	-	-	-	+	+	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-3000-A-2	Bldg 3000	EX3000-1	Soil/Solid	16-May-96	30-May-96	15-May-96	18-May-96		-	+	-	+	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-3001	Bldg 3001	EX3001-1	Soil/Solid	01-May-96	01-May-96	01-May-96	02-May-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-3190-A-2	Bldg 3190	EX3190-1	Soil/Solid	24-Apr-96	24-Apr-96	24-Apr-96	01-May-96		-	+	+	+	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX3190-1DUP	Soil/Solid	24-Apr-96	24-Apr-96	09-May-96	09-May-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX3190-LQ	Aqueous	24-Apr-96	25-Apr-96	29-Apr-96	01-May-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-3218	Bldg 3218	EX3218-1	Soil/Solid	25-Apr-96	26-Apr-96	01-May-96	01-May-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-3300	Bldg 3300	EX3300-1	Soil/Solid	25-Apr-96	25-Apr-96	01-May-96	02-May-96		-	-	-	-	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-3308	Bldg 3308	EX3308	Soil/Solid	29-Oct-96	05-Nov-96				-	-	-	+			+															
		EX3308-2	Soil/Solid	20-Nov-96		22-Nov-96	25-Nov-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX3308LQ	Aqueous	29-Oct-96	06-Nov-96	04-Nov-96	06-Nov-96		-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OWS-3400	Bldg 3400	EXOWS3400-B2	Soil/Solid	17-Oct-96	21-Oct-96			-	-	+	-	-			-															
		EXOWS3400-SW	Soil/Solid	17-Oct-96	21-Oct-96			-	-	+	-	-			-															
		EXOWS3400B	Soil/Solid	16-Sep-96	25-Sep-96	18-Sep-96	19-Sep-96	-	-	+	-	-	-	-		-	-	-	-	-	-	+	-	#	-	-	-	-	-	-
		EXOWS3400E	Soil/Solid	16-Sep-96	24-Sep-96	18-Sep-96	19-Sep-96	-	-	+	-	-	-	-		-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
		EXOWS3400N	Soil/Solid	16-Sep-96	24-Sep-96	18-Sep-96	19-Sep-96	-	-	+	-	-	-	-		-	-	-	+	+	+	+	#	#	#	#	#	#	-	#
		EXOWS3400S	Soil/Solid	16-Sep-96	24-Sep-96	18-Sep-96	19-Sep-96	-	-	+	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EXOWS3400W	Soil/Solid	16-Sep-96	24-Sep-96	18-Sep-96	19-Sep-96	-	-	+	-	-	-	-		-	-	-	+	+	+	+	#	#	#	#	#	#	+	#
OWS-3410	Bldg 3410	EX3410-1	Soil/Solid	30-Apr-96	01-May-96	01-May-96	02-May-96	-	-	-	-	-	-	-		-	-	-	-	-	+	-	-	-	-	-	-	-	-	-

Key blank = not analyzed, (-) = not detected, (+) = detected, below regulatory limit, (#) = detected, above regulatory limit

Sample Matrix 1 - Excavation Sample Results Summary

Tank ID	Site ID	SampleID	Matrix	Date Sampled	Volatile Analysis Date	Semivolatile Extraction Date	Semivolatile Analysis Date	MTBE	Benzene	Trichloroethylene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylenes, total	Naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
UST-3426	Bldg 3426	EX3426-1	Soil/Solid	28-Jun-96	28-Jun-96	09-Jul-96	10-Jul-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX3426-DUP	Soil/Solid	28-Jun-96	22-Jul-96	09-Jul-96	10-Jul-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OWS-3520	Bldg 3520	EX3520-1	Soil/Solid	24-May-96	31-May-96	30-May-96	03-Jun-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPT-3578	3578SS	EX3578LQSS	Aqueous	03-Oct-96	08-Oct-96	04-Oct-96	05-Oct-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX3578SS	Soil/Solid	03-Oct-96	08-Oct-96	04-Oct-96	05-Oct-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-3578-A-2	Bldg 3578	EX3578-1	Soil/Solid	09-Oct-96	16-Oct-96	10-Oct-96	11-Oct-96		-	-	-	#			#	#	#	-	#	-	+	+	-	-	-	-	-	-	-	-
		EX3578-2	Soil/Solid	09-Oct-96	16-Oct-96	10-Oct-96	11-Oct-96		-	-	-	#			#	#	#	-	#	-	+	#	-	-	-	-	-	-	-	-
		EX3578-E	Soil/Solid	30-Dec-96	06-Jan-97	03-Jan-97	06-Jan-97		-	-	-	-			-	-	-	-	#	#	-	-	-	-	-	-	-	-	-	-
		EX3578-LQ	Aqueous	09-Oct-96	16-Oct-96	10-Oct-96	12-Oct-96		-	-	-	-			#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX3578-N	Soil/Solid	30-Dec-96	07-Jan-97	03-Jan-97	06-Jan-97		-	-	-	-			-	-	#	+	#	#	#	#	#	#	#	#	#	-	#
		EX3578-W1	Soil/Solid	30-Dec-96	06-Jan-97	03-Jan-97	06-Jan-97		-	-	-	-			-	#	-	-	#	-	-	-	-	-	-	-	-	-	-	-
		EX3578-W2	Soil/Solid	30-Dec-96	06-Jan-97	03-Jan-97	06-Jan-97		-	-	-	-			#	-	-	-	#	-	-	-	-	-	-	-	-	-	-	-
		EX3578A	Soil/Solid	25-Jun-96		08-Jul-96	10-Jul-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX3578A-LQ	Aqueous	25-Jun-96	28-Jun-96	28-Jun-96	02-Jul-96		#	-	-	-	-	+		-	-	-	-	-	+	-	-	-	-	-	-	-	-	-
		EX3578B	Soil/Solid	10-Jul-96	10-Jul-96				+	-	-	+	+	-																
UST-3582	Bldg 3582	EX3582-1	Soil/Solid	16-May-96	31-May-96	15-May-96	18-May-96		-	+	-	-	-	-		-	-	-	+	-	+	+	-	-	-	-	-	-	-	-
		EX3582-LQ1	Aqueous	16-May-96	23-May-96	21-May-96	22-May-96		-	-	-	-	-	-		-	-	-	+	-	+	+	#	-	-	-	-	-	-	-
UST-3583-A-2	Bldg 3583	EX3583-E	Soil/Solid	02-Apr-96	03-Apr-96	02-Apr-96	02-Apr-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX3583-EDUP	Soil/Solid	02-Apr-96	03-Apr-96	02-Apr-96	02-Apr-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX3583-LQ	Aqueous	02-Apr-96	10-Apr-96	04-Apr-96	05-Apr-96		#	+	+	+	+	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EX3583-NSW	Soil/Solid	02-Apr-96	03-Apr-96	02-Apr-96	02-Apr-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-3584-A	Bldg 3584	EX3584-1	Soil/Solid	15-May-96	30-May-96	15-May-96	21-May-96		+	+	-	+	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-5020	Bldg 5020	EX5020-1	Soil/Solid	16-May-96	22-May-96	17-May-96	22-May-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-5128	Bldg 5128	EX5128-1	Soil/Solid	03-May-96	03-May-96	06-May-96	07-May-96		-	-	-	-	-	-		-	-	-	+	-	+	+	-	-	-	-	-	-	-	-
		EX5128-LQ1	Aqueous	03-May-96	03-May-96	08-May-96	18-May-96		-	-	+	-	-	-		-	-	-	+	-	+	+	#	#	#	-	#	#	-	#
UST-9100	Bldg 9100	EX9100-1	Soil/Solid	17-May-96	22-May-96	17-May-96	22-May-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Key blank = not analyzed, (-) = not detected, (+) = detected, below regulatory limit, (#) = detected, above regulatory limit

SAMPLE MATRIX 2
GEOPROBE AND TRENCH SAMPLE RESULTS SUMMARY

Sample Matrix 2 - Geoprobe and Trench Sample Results Summary

Tank ID	Site ID	SampleID	Matrix	Date Sampled	Volatile Analysis Date	Semivolatile Extraction Date	Semivolatile Analysis Date	MTBE	Benzene	Trichloroethylene	Toluene	Ethylbenzene	M,p-Xylene	O-Xylene	Xylenes, total	Naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
OWS-408	408 Geoprobe	GP408-1	Soil/Solid	18-Nov-96	19-Nov-96	25-Nov-96	27-Nov-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		GP408-1-LQ	Aqueous	18-Nov-96	21-Nov-96	20-Nov-96	27-Nov-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		GP408-2	Soil/Solid	18-Nov-96	19-Nov-96	25-Nov-96	27-Nov-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		GP408-2-LQ	Aqueous	18-Nov-96	21-Nov-96	20-Nov-96	26-Nov-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		GP408-3	Soil/Solid	18-Nov-96	19-Nov-96	25-Nov-96	27-Nov-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		GP408-3-DP	Soil/Solid	18-Nov-96	19-Nov-96	25-Nov-96	27-Nov-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		GP408-3-LQ	Aqueous	18-Nov-96	21-Nov-96	20-Nov-96	27-Nov-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		GP408-4	Soil/Solid	18-Nov-96	19-Nov-96	25-Nov-96	27-Nov-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		GP408-4-LQ	Aqueous	18-Nov-96	21-Nov-96	20-Nov-96	27-Nov-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-609	Bldg 609 GP	GP-609	Soil/Solid	01-Oct-96	04-Oct-96				-	-	-	-	-	-																
UST-2015-A-2	2015GP	2015W01	Aqueous	16-Sep-96	17-Sep-96	17-Sep-96	18-Sep-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2015W02	Aqueous	16-Sep-96	18-Sep-96	17-Sep-96	18-Sep-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2015W03	Aqueous	16-Sep-96	17-Sep-96	17-Sep-96	18-Sep-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2015W04	Aqueous	16-Sep-96	18-Sep-96	17-Sep-96	18-Sep-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		DUPE01	Aqueous	16-Sep-96	17-Sep-96	17-Sep-96	18-Sep-96		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UST-2658-A	2658GP	HPGP-01	Soil/Solid	12-Jul-96	27-Jul-96	26-Jul-96	29-Jul-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		HPGP-01-LQ	Aqueous	12-Jul-96	30-Jul-96	26-Jul-96	27-Jul-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		HPGP-02	Soil/Solid	15-Jul-96	26-Jul-96	22-Jul-96	25-Jul-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		HPGP-02-LQ	Aqueous	15-Jul-96	22-Jul-96			-	-	-	-	-	#	#																
		HPGP-03	Soil/Solid	15-Jul-96	29-Jul-96	26-Jul-96	29-Jul-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		HPGP-03-LQ	Aqueous	15-Jul-96	27-Jul-96	26-Jul-96	27-Jul-96	-	-	-	-	+	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		HPGP-04	Soil/Solid	15-Jul-96	25-Jul-96	22-Jul-96	24-Jul-96	-	-	-	-	#	-	#		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		HPGP-04-LQ	Aqueous	15-Jul-96	22-Jul-96	22-Jul-96	23-Jul-96	-	-	-	-	+	+	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		HPGP-05	Soil/Solid	15-Jul-96	27-Jul-96	26-Jul-96	29-Jul-96	-	-	-	-	+	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		HPGP-05-LQ	Aqueous	15-Jul-96	27-Jul-96	26-Jul-96	27-Jul-96	-	#	-	-	-	-	+		-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
		HPGP-07-LQ	Aqueous	15-Jul-96	27-Jul-96	26-Jul-96	27-Jul-96	-	-	-	-	+	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		HPGP-09-LQ	Aqueous	16-Jul-96	27-Jul-96	26-Jul-96	27-Jul-96	-	-	-	-	-	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		HPGP-10	Soil/Solid	16-Jul-96	25-Jul-96	23-Jul-96	25-Jul-96	-	#	+	#	#	#	#		-	-	+	+	+	+	+	-	#	-	-	-	-	-	-
		HPGP-10-LQ	Aqueous	16-Jul-96	22-Jul-96			-	#	-	-	#	-	#																
		HPGP-12	Soil/Solid	17-Jul-96	27-Jul-96	23-Jul-96	25-Jul-97	-	+	-	-	+	-	+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		HPGP-12-LQ	Aqueous	17-Jul-96	22-Jul-96			-	-	-	+	#	+	+																
		HPGP-13	Soil/Solid	17-Jul-96	26-Jul-96	23-Jul-96	25-Jul-96	-	-	-	#	#	#	#		#	#	+	#	+	#	#	#	#	#	#	#	+	#
		HPGP-13-LQ	Aqueous	17-Jul-96	22-Jul-96			-	-	-	-	-	-	-																
		HPGP-14	Soil/Solid	17-Jul-96	25-Jul-96	23-Jul-96	25-Jul-96	-	+	-	-	#	-	#		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		HPGP-14-LQ	Aqueous	17-Jul-96	22-Jul-96			-	#	-	#	#	#	#																
	2658 Trench	TT2658-1	Soil/Solid	21-Nov-96	26-Nov-96	25-Nov-96	26-Nov-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		TT2658-2	Soil/Solid	21-Nov-96	26-Nov-96	25-Nov-96	26-Nov-96	-	-	-	-	-			#	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		TT2658-LQ	Aqueous	21-Nov-96	22-Nov-96	25-Nov-96	26-Nov-96	-	-	-	-	-			#	#	-	#	#	-	-	-	-	-	-	-	-	-	-	-

Key blank = not analyzed, (-) = not detected, (+) = detected, below regulatory limit, (#) = detected, above regulatory limit

SAMPLE MATRIX 3
LIST OF CLEANUP CRITERIA EXCEEDENCES

Sample Matrix 3 - List of Cleanup Criteria Exceedences

Tank ID	Site ID	SampleID	Matrix	Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units	Lab
UST-102	Bldg 102	EX102-E	Soil/Solid	12/1/95	8270	12/7/95	12/8/95	Fluoranthene	1000	2020		333	ng/g	on-site
UST-102	Bldg 102	EX102-E	Soil/Solid	12/1/95	8270	12/7/95	12/8/95	Pyrene	1000	1469		333	ng/g	on-site
UST-102	Bldg 102	EX102-E	Soil/Solid	12/1/95	8270	12/7/95	12/8/95	Benzo(a)anthracene	0.04	716		666	ng/g	on-site
UST-102	Bldg 102	EX102-E	Soil/Solid	12/1/95	8270	12/7/95	12/8/95	Chrysene	0.04	738		666	ng/g	on-site
UST-177	Bldg 177	EX177-1	Soil/Solid	5/6/96	8270	5/6/96	5/7/96	Benzo(a)anthracene	0.04	420	J	666	ng/g	on-site
UST-177	Bldg 177	EX177-1	Soil/Solid	5/6/96	8270	5/6/96	5/7/96	Chrysene	0.04	473	J	666	ng/g	on-site
UST-177	Bldg 177	EX177-1	Soil/Solid	5/6/96	8270	5/6/96	5/7/96	Benzo(b)fluoranthene	0.04	500	J	666	ng/g	on-site
UST-177	Bldg 177	EX177-1	Soil/Solid	5/6/96	8270	5/6/96	5/7/96	Benzo(g,h,i)perylene	0.04	433	J	666	ng/g	on-site
UST-177	MFH177	EXMFH177-C	Soil/Solid	8/27/96	8270	9/9/96	9/13/96	Chrysene	0.04	51	J	333	ng/g	on-site
UST-177	MFH177	EXMFH177-C	Soil/Solid	8/27/96	8270	9/9/96	9/13/96	Benzo(k)fluoranthene	0.04	38	J	333	ng/g	on-site
UST-200B-A	MFH200B	EXMFH200B	Soil/Solid	7/31/96	8270	8/6/96	8/16/96	Chrysene	0.04	50	J	333	ng/g	on-site
UST-200B-A	MFH200B	EXMFH200B	Soil/Solid	7/31/96	8270	8/6/96	8/16/96	Benzo(b)fluoranthene	0.04	69	J	333	ng/g	on-site
UST-200B-A	MFH200B	EXMFH200B	Soil/Solid	7/31/96	8270	8/6/96	8/16/96	Benzo(k)fluoranthene	0.04	58	J	333	ng/g	on-site
UST-200B-A	MFH200B	EXMFH200B	Soil/Solid	7/31/96	8270	8/6/96	8/16/96	Benzo(a)pyrene	0.04	52	J	333	ng/g	on-site
UST-200B-A	MFH200B	EXMFH200B	Soil/Solid	7/31/96	8270	8/6/96	8/16/96	Indeno(1,2,3-cd)pyrene	0.04	61	J	333	ng/g	on-site
UST-200B-A	MFH200B	EXMFH200B	Soil/Solid	7/31/96	8270	8/6/96	8/16/96	Benzo(g,h,i)perylene	0.04	61	J	333	ng/g	on-site
UST-201B-A	MFH201B	EXMFH201B	Soil/Solid	8/6/96	8270	8/20/96	8/23/96	Benzo(b)fluoranthene	0.04	51	J	333	ng/g	on-site
UST-204A-A	MFH204A	EXMFH204A	Soil/Solid	8/1/96	8270	8/6/96	8/19/96	Chrysene	0.04	49	J	333	ng/g	on-site
UST-204A-A	MFH204A	EXMFH204A	Soil/Solid	8/1/96	8270	8/6/96	8/19/96	Benzo(b)fluoranthene	0.04	68	J	333	ng/g	on-site
UST-204A-A	MFH204A	EXMFH204A	Soil/Solid	8/1/96	8270	8/6/96	8/19/96	Benzo(k)fluoranthene	0.04	53	J	333	ng/g	on-site
UST-204A-A	MFH204A	EXMFH204A	Soil/Solid	8/1/96	8270	8/6/96	8/19/96	Benzo(a)pyrene	0.04	47	J	333	ng/g	on-site
UST-204A-A	MFH204A	EXMFH204A	Soil/Solid	8/1/96	8270	8/6/96	8/19/96	Indeno(1,2,3-cd)pyrene	0.04	65	J	333	ng/g	on-site
UST-204A-A	MFH204A	EXMFH204A	Soil/Solid	8/1/96	8270	8/6/96	8/19/96	Benzo(g,h,i)perylene	0.04	66	J	333	ng/g	on-site
UST-204A-A	MFH204A	EXMFH204A-LQ	Aqueous	8/1/96	8270	8/6/96	8/21/96	Naphthalene	10	37.1	D	5	ug/l	on-site
UST-204A-A	MFH204A	EXMFH204A-LQ	Aqueous	8/1/96	8270	8/6/96	8/21/96	Acenaphthene	20	62.9	D	5	ug/l	on-site
UST-204A-A	MFH204A	EXMFH204A-LQ	Aqueous	8/1/96	8270	8/6/96	8/21/96	Fluorene	50	110.2	D	5	ug/l	on-site
UST-204A-A	MFH204A	EXMFH204A-LQ	Aqueous	8/1/96	8270	8/6/96	8/21/96	Phenanthrene	50	162.2	D	5	ug/l	on-site
UST-208B-B-2	MFH208	EX208-C	Soil/Solid	12/14/95	8270	12/18/95	12/20/95	Naphthalene	200	688		333	ng/g	on-site
UST-208B-B-2	MFH208	EX208-C	Soil/Solid	12/14/95	8270	12/18/95	12/20/95	Acenaphthene	400	656		333	ng/g	on-site
UST-208B-B-2	MFH208	EX208-C	Soil/Solid	12/14/95	8270	12/18/95	12/20/95	Benzo(a)anthracene	0.04	457	J	666	ng/g	on-site
UST-208B-B-2	MFH208	EX208-C	Soil/Solid	12/14/95	8270	12/18/95	12/20/95	Chrysene	0.04	444	J	666	ng/g	on-site
UST-208B-B-2	MFH208	EX208LQ	Aqueous	1/4/96	8021	1/9/96	1/9/96	m,p-Xylene	5	7.1	B	5	ug/l	on-site
UST-212B-A	MFH212B	EXMFH212B-LQ	Aqueous	8/8/96	8021	8/18/96	8/18/96	Benzene	0.70	0.8	J	5	ug/l	on-site
UST-213B-B-2	MFH213	EX213-LQ	Aqueous	1/4/96	8021	1/5/96	1/5/96	o-Xylene	5	5.2	B	5	ug/l	on-site
UST-213B-B-2	MFH213	EX213-LQ	Aqueous	1/4/96	8270	1/9/96	1/9/96	Chrysene	0.002	0.7	J	5	ug/l	on-site
UST-213B-B-2	MFH213	EX213-LQ	Aqueous	1/4/96	8270	1/9/96	1/9/96	Indeno(1,2,3-cd)pyrene	0.002	0.6	JB	5	ug/l	on-site
UST-213B-B-2	MFH213	EX213-LQ	Aqueous	1/4/96	8270	1/9/96	1/9/96	Benzo(g,h,i)perylene	0.002	0.5	JB	5	ug/l	on-site
UST-217B-B-2	MFH217	EXMFH217-LQ	Aqueous	1/22/96	8270	1/24/96	1/24/96	Benzo(a)anthracene	0.002	0.3	J	5	ug/l	on-site
UST-221A-A	MFH221A	EXMFH221A-LQ	Aqueous	8/8/96	8021	8/17/96	8/17/96	m,p-Xylene	5	6.7		5	ug/l	on-site
UST-221A-A	MFH221A	EXMFH221A-LQ	Aqueous	8/8/96	8270	8/14/96	8/22/96	Naphthalene	10	503.2	JD	1000	ug/l	on-site
UST-221A-A	MFH221A	EXMFH221A-LQ	Aqueous	8/8/96	8270	8/14/96	8/22/96	Acenaphthene	20	833.7	JD	1000	ug/l	on-site
UST-221A-A	MFH221A	EXMFH221A-LQ	Aqueous	8/8/96	8270	8/14/96	8/22/96	Fluorene	50	1749.5	D	1000	ug/l	on-site

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Sample Matrix 3 - List of Cleanup Criteria Exceedences

Tank ID	Site ID	SampleID	Matrix	Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units	Lab
UST-221A-A	MFH221A	EXMFH221A-LQ	Aqueous	8/8/96	8270	8/14/96	8/22/96	Phenanthrene	50	3136.8	D	1000	ug/l	on-site
UST-221A-A	MFH221A	EXMFH221A-LQ	Aqueous	8/8/96	8270	8/14/96	8/22/96	Pyrene	50	162.1	JD	1000	ug/l	on-site
UST-229B-B-2	MFH229	EX229-LQ	Aqueous	12/7/95	8270	12/11/95	12/11/95	Indeno(1,2,3-cd)pyrene	0.002	1.0	JB	5	ug/l	on-site
UST-237B-A	MFH237B	EXMFH237B-LQ	Aqueous	8/12/96	8021	8/19/96	8/19/96	Ethylbenzene	5	14.4		5	ug/l	on-site
UST-237B-A	MFH237B	EXMFH237B-LQ	Aqueous	8/12/96	8021	8/19/96	8/19/96	m,p-Xylene	5	23.4		5	ug/l	on-site
UST-237B-A	MFH237B	EXMFH237B-LQ	Aqueous	8/12/96	8270	8/15/96	8/20/96	Naphthalene	10	16.6		5	ug/l	on-site
UST-241A-B-2	MFH241A	EX241-LQ	Aqueous	12/5/95	8021	12/10/95	12/10/95	Benzene	0.70	11.9		5	ug/l	on-site
UST-241A-B-2	MFH241A	EX241-LQ	Aqueous	12/5/95	8021	12/10/95	12/10/95	Toluene	5	98.7		5	ug/l	on-site
UST-241A-B-2	MFH241A	EX241-LQ	Aqueous	12/5/95	8021	12/10/95	12/10/95	Ethylbenzene	5	57.2		5	ug/l	on-site
UST-241A-B-2	MFH241A	EX241-LQ	Aqueous	12/5/95	8021	12/10/95	12/10/95	m,p-Xylene	5	214.0		5	ug/l	on-site
UST-241A-B-2	MFH241A	EX241-LQ	Aqueous	12/5/95	8021	12/10/95	12/10/95	o-Xylene	5	190.0		5	ug/l	on-site
OWS-408	Bldg 408	EX408-1	Soil/Solid	3/25/96	8270	3/25/96	3/26/96	Phenanthrene	1000	3360		333	ng/g	on-site
OWS-408	Bldg 408	EX408-1	Soil/Solid	3/25/96	8270	3/25/96	3/26/96	Fluoranthene	1000	5707		333	ng/g	on-site
OWS-408	Bldg 408	EX408-1	Soil/Solid	3/25/96	8270	3/25/96	3/26/96	Pyrene	1000	4160		333	ng/g	on-site
OWS-408	Bldg 408	EX408-1	Soil/Solid	3/25/96	8270	3/25/96	3/26/96	Benzo(a)anthracene	0.04	2233		666	ng/g	on-site
OWS-408	Bldg 408	EX408-1	Soil/Solid	3/25/96	8270	3/25/96	3/26/96	Chrysene	0.04	1753		666	ng/g	on-site
OWS-408	Bldg 408	EX408-1	Soil/Solid	3/25/96	8270	3/25/96	3/26/96	Benzo(b)fluoranthene	0.04	2547		666	ng/g	on-site
OWS-408	Bldg 408	EX408-1	Soil/Solid	3/25/96	8270	3/25/96	3/26/96	Benzo(k)fluoranthene	0.04	1040		666	ng/g	on-site
OWS-408	Bldg 408	EX408-1	Soil/Solid	3/25/96	8270	3/25/96	3/26/96	Benzo(a)pyrene	0.04	1873		666	ng/g	on-site
OWS-408	Bldg 408	EX408-1	Soil/Solid	3/25/96	8270	3/25/96	3/26/96	Indeno(1,2,3-cd)pyrene	0.04	1073		666	ng/g	on-site
OWS-408	Bldg 408	EX408-1	Soil/Solid	3/25/96	8270	3/25/96	3/26/96	Benzo(g,h,i)perylene	0.04	927		666	ng/g	on-site
UST-426-A	Bldg 426	EX426-1	Soil/Solid	6/4/96	8270	6/8/96	6/10/96	Fluoranthene	1000	1490		333	ng/g	on-site
UST-426-A	Bldg 426	EX426-1	Soil/Solid	6/4/96	8270	6/8/96	6/10/96	Pyrene	1000	1294		333	ng/g	on-site
UST-426-A	Bldg 426	EX426-1	Soil/Solid	6/4/96	8270	6/8/96	6/10/96	Benzo(a)anthracene	0.04	837		666	ng/g	on-site
UST-426-A	Bldg 426	EX426-1	Soil/Solid	6/4/96	8270	6/8/96	6/10/96	Chrysene	0.04	634	J	666	ng/g	on-site
UST-426-A	Bldg 426	EX426-1	Soil/Solid	6/4/96	8270	6/8/96	6/10/96	Benzo(b)fluoranthene	0.04	817		666	ng/g	on-site
UST-426-A	Bldg 426	EX426-1	Soil/Solid	6/4/96	8270	6/8/96	6/10/96	Benzo(a)pyrene	0.04	582	J	666	ng/g	on-site
UST-426-A	Bldg 426	EX426-2	Soil/Solid	7/1/96	8270	7/3/96	7/11/96	Benzo(a)anthracene	0.04	95	J	333	ng/g	on-site
UST-426-A	Bldg 426	EX426-2	Soil/Solid	7/1/96	8270	7/3/96	7/11/96	Chrysene	0.04	83	J	333	ng/g	on-site
UST-426-A	Bldg 426	EX426-2	Soil/Solid	7/1/96	8270	7/3/96	7/11/96	Benzo(b)fluoranthene	0.04	106	J	333	ng/g	on-site
UST-426-A	Bldg 426	EX426-2	Soil/Solid	7/1/96	8270	7/3/96	7/11/96	Benzo(k)fluoranthene	0.04	42	J	333	ng/g	on-site
UST-426-A	Bldg 426	EX426-2	Soil/Solid	7/1/96	8270	7/3/96	7/11/96	Benzo(a)pyrene	0.04	87	J	333	ng/g	on-site
UST-426-A	Bldg 426	EX426-2	Soil/Solid	7/1/96	8270	7/3/96	7/11/96	Indeno(1,2,3-cd)pyrene	0.04	54	J	333	ng/g	on-site
UST-426-A	Bldg 426	EX426-2	Soil/Solid	7/1/96	8270	7/3/96	7/11/96	Benzo(g,h,i)perylene	0.04	54	J	333	ng/g	on-site
UST-426-A	Bldg 426	EX426-LQ2	Aqueous	7/1/96	8021	7/10/96	7/10/96	Benzene	0.70	2.2	JB	5	ug/l	on-site
UST+OWS	Bldg 509	EX509-1	Soil/Solid	5/1/96	8270	5/1/96	5/7/96	Phenanthrene	1000	1682		333	ng/g	on-site
UST+OWS	Bldg 509	EX509-1	Soil/Solid	5/1/96	8270	5/1/96	5/7/96	Fluoranthene	1000	4589		333	ng/g	on-site
UST+OWS	Bldg 509	EX509-1	Soil/Solid	5/1/96	8270	5/1/96	5/7/96	Pyrene	1000	3570		333	ng/g	on-site
UST+OWS	Bldg 509	EX509-1	Soil/Solid	5/1/96	8270	5/1/96	5/7/96	Benzo(a)anthracene	0.04	2391		666	ng/g	on-site
UST+OWS	Bldg 509	EX509-1	Soil/Solid	5/1/96	8270	5/1/96	5/7/96	Chrysene	0.04	2132		666	ng/g	on-site
UST+OWS	Bldg 509	EX509-1	Soil/Solid	5/1/96	8270	5/1/96	5/7/96	Benzo(b)fluoranthene	0.04	2881		666	ng/g	on-site
UST+OWS	Bldg 509	EX509-1	Soil/Solid	5/1/96	8270	5/1/96	5/7/96	Benzo(k)fluoranthene	0.04	1060		666	ng/g	on-site

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Tank ID	Site ID	SampleID	Matrix	Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units	Lab
UST+OWS	Bldg 509	EX509-1	Soil/Solid	5/1/96	8270	5/1/96	5/7/96	Benzo(a)pyrene	0.04	1907		666	ng/g	on-site
UST+OWS	Bldg 509	EX509-1	Soil/Solid	5/1/96	8270	5/1/96	5/7/96	Indeno(1,2,3-cd)pyrene	0.04	1371		666	ng/g	on-site
UST+OWS	Bldg 509	EX509-1	Soil/Solid	5/1/96	8270	5/1/96	5/7/96	Benzo(g,h,i)perylene	0.04	1364		666	ng/g	on-site
UST-610	Bldg 610	EX610-B2	Soil/Solid	12/28/95	8270	1/3/96	1/3/96	Benzo(a)anthracene	0.04	437	J	666	ng/g	on-site
UST-610	Bldg 610	EX610-B2	Soil/Solid	12/28/95	8270	1/3/96	1/3/96	Chrysene	0.04	470	J	666	ng/g	on-site
UST-640	Bldg 640	EX640-1	Soil/Solid	12/11/95	8270	12/13/95	12/14/95	Naphthalene	200	288	J	333	ng/g	on-site
UST-640	Bldg 640	EX640-1	Soil/Solid	12/11/95	8270	12/13/95	12/14/95	Phenanthrene	1000	2155		333	ng/g	on-site
UST-640	Bldg 640	EX640-1	Soil/Solid	12/11/95	8270	12/13/95	12/14/95	Fluoranthene	1000	2078		333	ng/g	on-site
UST-640	Bldg 640	EX640-1	Soil/Solid	12/11/95	8270	12/13/95	12/14/95	Pyrene	1000	1560		333	ng/g	on-site
UST-640	Bldg 640	EX640-1	Soil/Solid	12/11/95	8270	12/13/95	12/14/95	Benzo(a)anthracene	0.04	678		666	ng/g	on-site
UST-640	Bldg 640	EX640-1	Soil/Solid	12/11/95	8270	12/13/95	12/14/95	Chrysene	0.04	563	J	666	ng/g	on-site
UST-640	Bldg 640	EX640-B	Soil/Solid	12/11/95	8021	12/12/95	12/12/95	m,p-Xylene	100	248.0		5	ng/g	on-site
UST-640	Bldg 640	EX640-B	Soil/Solid	12/11/95	8021	12/12/95	12/12/95	o-Xylene	100	176.0		5	ng/g	on-site
UST-640	Bldg 640	EX640-B	Soil/Solid	12/11/95	8270	12/12/95	12/14/95	Naphthalene	200	774		333	ng/g	on-site
UST-640	Bldg 640	EX640-B	Soil/Solid	12/11/95	8270	12/12/95	12/14/95	Phenanthrene	1000	2631		333	ng/g	on-site
UST-640	Bldg 640	EX640-B	Soil/Solid	12/11/95	8270	12/12/95	12/14/95	Fluoranthene	1000	2566		333	ng/g	on-site
UST-640	Bldg 640	EX640-B	Soil/Solid	12/11/95	8270	12/12/95	12/14/95	Pyrene	1000	2198		333	ng/g	on-site
UST-640	Bldg 640	EX640-B	Soil/Solid	12/11/95	8270	12/12/95	12/14/95	Benzo(a)anthracene	0.04	1201		666	ng/g	on-site
UST-640	Bldg 640	EX640-B	Soil/Solid	12/11/95	8270	12/12/95	12/14/95	Chrysene	0.04	1122		666	ng/g	on-site
UST-640	Bldg 640	EX640-B	Soil/Solid	12/11/95	8270	12/12/95	12/14/95	Benzo(b)fluoranthene	0.04	505	J	666	ng/g	on-site
UST-640	Bldg 640	EX640-W	Soil/Solid	12/11/95	8270	12/13/95	12/14/95	Chrysene	0.04	404	J	666	ng/g	on-site
UST-640	Bldg 640	EX640-W	Soil/Solid	12/11/95	8270	12/13/95	12/14/95	Benzo(g,h,i)perylene	0.04	444	J	666	ng/g	on-site
UST-844A-A	MFH844A	EXMFH844A	Soil/Solid	8/21/96	8270	8/27/96	8/28/96	Benzo(b)fluoranthene	0.04	44	J	333	ng/g	on-site
UST-851B-A	MFH851B	EXMFH851B	Soil/Solid	8/22/96	8270	8/27/96	9/9/96	Benzo(a)anthracene	0.04	187	J	333	ng/g	on-site
UST-851B-A	MFH851B	EXMFH851B	Soil/Solid	8/22/96	8270	8/27/96	9/9/96	Chrysene	0.04	191	J	333	ng/g	on-site
UST-851B-A	MFH851B	EXMFH851B	Soil/Solid	8/22/96	8270	8/27/96	9/9/96	Benzo(b)fluoranthene	0.04	125	J	333	ng/g	on-site
UST-851B-A	MFH851B	EXMFH851B	Soil/Solid	8/22/96	8270	8/27/96	9/9/96	Benzo(k)fluoranthene	0.04	131	J	333	ng/g	on-site
UST-851B-A	MFH851B	EXMFH851B	Soil/Solid	8/22/96	8270	8/27/96	9/9/96	Benzo(a)pyrene	0.04	152	J	333	ng/g	on-site
UST-851B-A	MFH851B	EXMFH851B	Soil/Solid	8/22/96	8270	8/27/96	9/9/96	Indeno(1,2,3-cd)pyrene	0.04	102	J	333	ng/g	on-site
UST-851B-A	MFH851B	EXMFH851B	Soil/Solid	8/22/96	8270	8/27/96	9/9/96	Benzo(g,h,i)perylene	0.04	84	J	333	ng/g	on-site
UST-875A-A	MFH875A	EXMFH875A-LQ	Aqueous	8/29/96	8270	9/5/96	9/10/96	Naphthalene	10	11.8	JD	50	ug/l	on-site
UST-875A-A	MFH875A	EXMFH875A-LQ	Aqueous	8/29/96	8270	9/5/96	9/10/96	Chrysene	0.002	4.0	JD	50	ug/l	on-site
UST-875A-A	MFH875A	EXMFH875A-LQD	Aqueous	8/29/96	8270	9/5/96	9/10/96	Naphthalene	10	37.6	JD	50	ug/l	on-site
UST-875A-A	MFH875A	EXMFH875A-LQD	Aqueous	8/29/96	8270	9/5/96	9/10/96	Chrysene	0.002	3.7	JD	50	ug/l	on-site
UST-900B-A	MFH900B	EXMFH900B-LQ	Aqueous	8/27/96	8270	8/28/96	9/10/96	Naphthalene	10	91.3	D	50	ug/l	on-site
UST-900B-A	MFH900B	EXMFH900B-LQ	Aqueous	8/27/96	8270	8/28/96	9/10/96	Acenaphthene	20	31.7	JD	50	ug/l	on-site
UST-900B-A	MFH900B	EXMFH900B-LQ	Aqueous	8/27/96	8270	8/28/96	9/10/96	Fluorene	50	90.1	D	50	ug/l	on-site
UST-900B-A	MFH900B	EXMFH900B-LQ	Aqueous	8/27/96	8270	8/28/96	9/10/96	Phenanthrene	50	99.6	D	50	ug/l	on-site
UST-932B-A	MFH932B	EXMFH932B	Soil/Solid	9/4/96	8270	9/11/96	9/17/96	Benzo(b)fluoranthene	0.04	54	J	333	ng/g	on-site
UST-932B-A	MFH932B	EXMFH932B	Soil/Solid	9/4/96	8270	9/11/96	9/17/96	Benzo(k)fluoranthene	0.04	40	J	333	ng/g	on-site
UST-948-A	MFH948	EXMFH948	Soil/Solid	9/5/96	8270	9/11/96	9/16/96	Benzo(a)anthracene	0.04	47	J	333	ng/g	on-site
UST-948-A	MFH948	EXMFH948	Soil/Solid	9/5/96	8270	9/11/96	9/16/96	Chrysene	0.04	56	J	333	ng/g	on-site

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UST-948-A	MFH948	EXMFH948	Soil/Solid	9/5/96	8270	9/11/96	9/16/96	Benzo(k)fluoranthene	0.04	36	J	333	ng/g	on-site
UST-960	MFH960	EXMFH960	Soil/Solid	1/18/96	8270	1/29/96	1/30/96	Benzo(a)anthracene	0.04	298	J	666	ng/g	on-site
UST-960	MFH960	EXMFH960L	Aqueous	1/18/96	8021	1/19/96	1/19/96	m,p-Xylene	5	62.8		5	ug/l	on-site
UST-960	MFH960	EXMFH960L	Aqueous	1/18/96	8021	1/19/96	1/19/96	o-Xylene	5	17.7		5	ug/l	on-site
UST-960	MFH960	EXMFH960L	Aqueous	1/18/96	8270	1/19/96	1/24/96	Naphthalene	10	3914.5		5	ug/l	on-site
UST-960	MFH960	EXMFH960L	Aqueous	1/18/96	8270	1/19/96	1/24/96	Fluorene	50	360.2		5	ug/l	on-site
UST-960	MFH960	EXMFH960L	Aqueous	1/18/96	8270	1/19/96	1/24/96	Anthracene	50	631.3		5	ug/l	on-site
UST-960	MFH960	EXMFH960L	Aqueous	1/18/96	8270	1/19/96	1/24/96	Pyrene	50	147.0		5	ug/l	on-site
UST-960	MFH960	EXMFH960L	Aqueous	1/18/96	8270	1/19/96	1/24/96	Benzo(a)anthracene	0.002	48.2	B	5	ug/l	on-site
UST-960	MFH960	EXMFH960L	Aqueous	1/18/96	8270	1/19/96	1/24/96	Chrysene	0.002	1488.0		5	ug/l	on-site
UST-960	MFH960	EXMFH960L	Aqueous	1/18/96	8270	1/19/96	1/24/96	Benzo(b)fluoranthene	0.002	1275.9	B	5	ug/l	on-site
UST-960	MFH960	EXMFH960L	Aqueous	1/18/96	8270	1/19/96	1/24/96	Benzo(k)fluoranthene	0.002	1095.2		5	ug/l	on-site
UST-960	MFH960	EXMFH960L	Aqueous	1/18/96	8270	1/19/96	1/24/96	Benzo(a)pyrene	0.002	1009.6	B	5	ug/l	on-site
UST-960	MFH960	EXMFH960L	Aqueous	1/18/96	8270	1/19/96	1/24/96	Indeno(1,2,3-cd)pyrene	0.002	142.2	B	5	ug/l	on-site
UST-960	MFH960	EXMFH960L	Aqueous	1/18/96	8270	1/19/96	1/24/96	Benzo(g,h,i)perylene	0.002	122.9	B	5	ug/l	on-site
UST-1810	Bldg 1810	EX1810A	Soil/Solid	8/6/96	8270	8/9/96	8/19/96	Chrysene	0.04	53	J	333	ng/g	on-site
UST-1810	Bldg 1810	EX1810A	Soil/Solid	8/6/96	8270	8/9/96	8/19/96	Benzo(b)fluoranthene	0.04	59	J	333	ng/g	on-site
UST-1810	Bldg 1810	EX1810A	Soil/Solid	8/6/96	8270	8/9/96	8/19/96	Benzo(a)pyrene	0.04	71	J	333	ng/g	on-site
UST-1810	Bldg 1810	EX1810A	Soil/Solid	8/6/96	8270	8/9/96	8/19/96	Indeno(1,2,3-cd)pyrene	0.04	45	J	333	ng/g	on-site
UST-1810	Bldg 1810	EX1810A	Soil/Solid	8/6/96	8270	8/9/96	8/19/96	Benzo(g,h,i)perylene	0.04	116	J	333	ng/g	on-site
UST-1810	Bldg 1810	EX1810B	Soil/Solid	8/6/96	8021	8/17/96	8/17/96	m,p-Xylene	100	153.3		5	ng/g	on-site
UST-1810	Bldg 1810	EX1810B	Soil/Solid	8/6/96	8021	8/17/96	8/17/96	o-Xylene	100	197.4	B	5	ng/g	on-site
UST-1810	Bldg 1810	EX1810B	Soil/Solid	8/6/96	8270	8/12/96	8/21/96	Benzo(a)anthracene	0.04	213	J	333	ng/g	on-site
UST-1810	Bldg 1810	EX1810B	Soil/Solid	8/6/96	8270	8/12/96	8/21/96	Chrysene	0.04	529		333	ng/g	on-site
UST-1810	Bldg 1810	EX1810B	Soil/Solid	8/6/96	8270	8/12/96	8/21/96	Benzo(b)fluoranthene	0.04	329	J	333	ng/g	on-site
UST-1810	Bldg 1810	EX1810B	Soil/Solid	8/6/96	8270	8/12/96	8/21/96	Benzo(a)pyrene	0.04	1083		333	ng/g	on-site
UST-1810	Bldg 1810	EX1810B	Soil/Solid	8/6/96	8270	8/12/96	8/21/96	Indeno(1,2,3-cd)pyrene	0.04	300	J	333	ng/g	on-site
UST-1810	Bldg 1810	EX1810B	Soil/Solid	8/6/96	8270	8/12/96	8/21/96	Benzo(g,h,i)perylene	0.04	1338		333	ng/g	on-site
UST-2015-A-2	Bldg 2015	EX2015-LQ	Aqueous	5/6/96	8021	5/7/96	5/7/96	Benzene	0.70	1.5	J	5	ug/l	on-site
UST-2015-A-2	Bldg 2015	EX2015-LQ	Aqueous	5/6/96	8021	5/7/96	5/7/96	Toluene	5	14.9		5	ug/l	on-site
UST-2015-A-2	Bldg 2015	EX2015-LQ	Aqueous	5/6/96	8021	5/7/96	5/7/96	Ethylbenzene	5	23.1		5	ug/l	on-site
UST-2015-A-2	Bldg 2015	EX2015-LQ	Aqueous	5/6/96	8021	5/7/96	5/7/96	m,p-Xylene	5	85.7		5	ug/l	on-site
UST-2015-A-2	Bldg 2015	EX2015-LQ	Aqueous	5/6/96	8021	5/7/96	5/7/96	o-Xylene	5	63.3		5	ug/l	on-site
UST-2015-A-2	Bldg 2015	EX2015-LQ	Aqueous	5/6/96	8270	5/8/96	5/18/96	Naphthalene	10	61		5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335-CE2	Soil/Solid	5/16/96	8270	5/16/96	5/21/96	Benzo(a)anthracene	0.04	293	J	666	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335-LQ2	Aqueous	3/21/96	8021	3/26/96	3/26/96	Benzene	0.70	12.5		5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335-LQ2	Aqueous	3/21/96	8021	3/26/96	3/26/96	Toluene	5	78.0	B	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335-LQ2	Aqueous	3/21/96	8021	3/26/96	3/26/96	Ethylbenzene	5	12.6	B	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335-LQ2	Aqueous	3/21/96	8021	3/26/96	3/26/96	m,p-Xylene	5	180.3	B	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335-LQ2	Aqueous	3/21/96	8021	3/26/96	3/26/96	o-Xylene	5	58.3	B	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335-LQ3	Aqueous	6/26/96	8021	6/28/96	6/28/96	Benzene	0.70	5.8	B	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335-LQ3	Aqueous	6/26/96	8021	6/28/96	6/28/96	Toluene	5	14.9		5	ug/l	on-site

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Sample Matrix 3 - List of Cleanup Criteria Exceedences

Tank ID	Site ID	SampleID	Matrix	Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units	Lab
11 USTs + OWS	Bldg 2335	EX2335-LQ3	Aqueous	6/26/96	8021	6/28/96	6/28/96	m,p-Xylene	5	19.0		5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335-LQ3	Aqueous	6/26/96	8021	6/28/96	6/28/96	o-Xylene	5	10.7	B	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335-LQ4	Aqueous	8/2/96	8021	8/8/96	8/8/96	m,p-Xylene	5	7.0		2	ug/l	CTM
11 USTs + OWS	Bldg 2335	EX2335A-LQ	Aqueous	12/7/95	8021	12/9/95	12/9/95	Benzene	0.70	360.0	B	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335A-LQ	Aqueous	12/7/95	8021	12/9/95	12/9/95	Toluene	5	918.0	B	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335A-LQ	Aqueous	12/7/95	8021	12/9/95	12/9/95	Ethylbenzene	5	286.0		5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335A-LQ	Aqueous	12/7/95	8021	12/9/95	12/9/95	m,p-Xylene	5	1261.0	B	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335A-LQ	Aqueous	12/7/95	8021	12/9/95	12/9/95	o-Xylene	5	440.0	B	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335A-LQ	Aqueous	12/7/95	8270	12/9/95	12/10/95	Naphthalene	10	26		5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335A-LQ	Aqueous	12/7/95	8270	12/9/95	12/10/95	Indeno(1,2,3-cd)pyrene	0.002	1	JB	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335B	Soil/Solid	12/11/95	8021	12/14/95	12/14/95	Benzene	14	144.3		5	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335B	Soil/Solid	12/11/95	8021	12/14/95	12/14/95	Toluene	100	1009.7		5	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335B	Soil/Solid	12/11/95	8021	12/14/95	12/14/95	Ethylbenzene	100	1276.1		5	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335B	Soil/Solid	12/11/95	8021	12/14/95	12/14/95	m,p-Xylene	100	5697.4		5	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335B	Soil/Solid	12/11/95	8021	12/14/95	12/14/95	o-Xylene	100	2532.6		5	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335B	Soil/Solid	12/11/95	8270	12/18/95	12/19/95	Naphthalene	200	670		333	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335F	Soil/Solid	12/12/95	8021	12/14/95	12/14/95	Benzene	14	4339.9		5	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335F	Soil/Solid	12/12/95	8021	12/14/95	12/14/95	o-Xylene	100	360.2		5	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335F	Soil/Solid	12/12/95	8270	12/13/95	12/14/95	Naphthalene	200	1681		333	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335G	Soil/Solid	12/12/95	8021	12/14/95	12/14/95	Benzene	14	319.1		5	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335G	Soil/Solid	12/12/95	8021	12/14/95	12/14/95	Toluene	100	5207.0		5	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335G	Soil/Solid	12/12/95	8021	12/14/95	12/14/95	Ethylbenzene	100	2519.2		5	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335G	Soil/Solid	12/12/95	8021	12/14/95	12/14/95	m,p-Xylene	100	11609.		5	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335G	Soil/Solid	12/12/95	8021	12/14/95	12/14/95	o-Xylene	100	6845.2		5	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335G	Soil/Solid	12/12/95	8270	12/13/95	12/14/95	Naphthalene	200	3115		333	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335H	Soil/Solid	12/19/95	8021	12/20/95	12/20/95	m,p-Xylene	100	159.3		5	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335H	Soil/Solid	12/19/95	8021	12/20/95	12/20/95	o-Xylene	100	124.1		5	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8021	12/20/95	12/20/95	MTBE	50	10818.	D	2000	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8021	12/20/95	12/20/95	Benzene	0.70	3393.5	D	250	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8021	12/20/95	12/20/95	Toluene	5	14134.	D	250	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8021	12/20/95	12/20/95	Ethylbenzene	5	2796.5	D	250	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8021	12/20/95	12/20/95	m,p-Xylene	5	18651.	D	250	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8021	12/20/95	12/20/95	o-Xylene	5	8845.0	D	250	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8270	1/4/96	1/5/96	Naphthalene	10	262	R	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335I-LQ	Aqueous	12/20/95	8021	1/4/96	1/4/96	m,p-Xylene	5	5.7	R	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335I-LQ	Aqueous	12/20/95	8021	1/4/96	1/4/96	o-Xylene	5	5.1	R	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335LQ	Aqueous	1/3/96	8021	1/5/96	1/5/96	MTBE	1000	2613.0	DB	400	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335LQ	Aqueous	1/3/96	8021	1/5/96	1/5/96	Benzene	14	3013.8	DB	50	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335LQ	Aqueous	1/3/96	8021	1/5/96	1/5/96	Toluene	100	6668.4	DB	50	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335LQ	Aqueous	1/3/96	8021	1/5/96	1/5/96	Ethylbenzene	100	385.1	DB	50	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335LQ	Aqueous	1/3/96	8021	1/5/96	1/5/96	m,p-Xylene	100	7197.3	DB	50	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335LQ	Aqueous	1/3/96	8021	1/5/96	1/5/96	o-Xylene	100	3780.2	DB	50	ng/g	on-site

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Sample Matrix 3 - List of Cleanup Criteria Exceedences

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11 USTs + OWS	Bldg 2335	EXGS-1	Soil/Solid	12/4/95	8270	12/7/95	12/9/95	Naphthalene	200	320	J	333	ng/g	on-site
UST-2380	Bldg 2380	EX2380-LQ1	Aqueous	5/8/96	8021	5/16/96	5/16/96	Benzene	0.70	1.8	J	5	ug/l	on-site
OWS-2542	Bldg 2542	EX2542-1	Soil/Solid	5/17/96	8021	5/22/96	5/22/96	Ethylbenzene	100	100.2	B	5	ng/g	on-site
OWS-2542	Bldg 2542	EX2542-LQ1	Aqueous	5/17/96	8021	5/23/96	5/23/96	Benzene	0.70	65.3		5	ug/l	on-site
OWS-2542	Bldg 2542	EX2542-LQ1	Aqueous	5/17/96	8021	5/23/96	5/23/96	Toluene	5	20.1	B	5	ug/l	on-site
OWS-2542	Bldg 2542	EX2542-LQ1	Aqueous	5/17/96	8021	5/23/96	5/23/96	Ethylbenzene	5	402.5	B	5	ug/l	on-site
OWS-2542	Bldg 2542	EX2542-LQ1	Aqueous	5/17/96	8021	5/23/96	5/23/96	m,p-Xylene	5	1214.9		5	ug/l	on-site
OWS-2542	Bldg 2542	EX2542-LQ1	Aqueous	5/17/96	8021	5/23/96	5/23/96	o-Xylene	5	395.3	B	5	ug/l	on-site
OWS-2542	Bldg 2542	EX2542-LQ1	Aqueous	5/17/96	8270	5/21/96	5/22/96	Naphthalene	10	78	JD	500	ug/l	on-site
UST-2552-A-2	Bldg 2552	EX2552-LQ	Aqueous	11/14/96	8021	11/18/96	11/18/96	Xylenes, total	5	5.2		0.5	ug/l	Lab Res
3 USTs	Bldg 2555	EX2555LQ	Aqueous	9/12/96	8021	9/16/96	9/16/96	Benzene	0.70	3.6	J	5	ug/l	on-site
3 USTs	Bldg 2555	EX2555LQ	Aqueous	9/12/96	8021	9/16/96	9/16/96	m,p-Xylene	5	6.9		5	ug/l	on-site
3 USTs	Bldg 2555	EX2555LQ	Aqueous	9/12/96	8270	9/13/96	9/16/96	Chrysene	0.002	1.3	JD	25	ug/l	on-site
UST-2658-A	Bldg 2658	EX2658-C1	Soil/Solid	8/1/96	8270	8/5/96	8/21/96	Acenaphthene	400	1249		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C1	Soil/Solid	8/1/96	8270	8/5/96	8/21/96	Fluorene	1000	1636		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C1	Soil/Solid	8/1/96	8270	8/5/96	8/21/96	Phenanthrene	1000	3946		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C1	Soil/Solid	8/1/96	8270	8/5/96	8/21/96	Pyrene	1000	1477		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C1	Soil/Solid	8/1/96	8270	8/5/96	8/21/96	Chrysene	0.04	1342		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C1	Soil/Solid	8/1/96	8270	8/5/96	8/21/96	Benzo(b)fluoranthene	0.04	479		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C1	Soil/Solid	8/1/96	8270	8/5/96	8/21/96	Benzo(k)fluoranthene	0.04	389		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C1	Soil/Solid	8/1/96	8270	8/5/96	8/21/96	Benzo(a)pyrene	0.04	848		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C2	Soil/Solid	8/1/96	8270	8/5/96	8/21/96	Naphthalene	200	210	J	333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C2	Soil/Solid	8/1/96	8270	8/5/96	8/21/96	Acenaphthene	400	2731		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C2	Soil/Solid	8/1/96	8270	8/5/96	8/21/96	Fluorene	1000	2553		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C2	Soil/Solid	8/1/96	8270	8/5/96	8/21/96	Phenanthrene	1000	6297	D	1665	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C2	Soil/Solid	8/1/96	8270	8/5/96	8/21/96	Anthracene	1000	1375		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C2	Soil/Solid	8/1/96	8270	8/5/96	8/21/96	Fluoranthene	1000	1188		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C2	Soil/Solid	8/1/96	8270	8/5/96	8/21/96	Pyrene	1000	2397		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C2	Soil/Solid	8/1/96	8270	8/5/96	8/21/96	Chrysene	0.04	329	J	333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C2	Soil/Solid	8/1/96	8270	8/5/96	8/21/96	Benzo(b)fluoranthene	0.04	635		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C2	Soil/Solid	8/1/96	8270	8/5/96	8/21/96	Benzo(k)fluoranthene	0.04	329	J	333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C2	Soil/Solid	8/1/96	8270	8/5/96	8/21/96	Benzo(a)pyrene	0.04	1070		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C3	Soil/Solid	8/1/96	8270	8/5/96	8/19/96	Fluoranthene	1000	1172		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C3	Soil/Solid	8/1/96	8270	8/5/96	8/19/96	Benzo(a)anthracene	0.04	446		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C3	Soil/Solid	8/1/96	8270	8/5/96	8/19/96	Chrysene	0.04	562		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C3	Soil/Solid	8/1/96	8270	8/5/96	8/19/96	Benzo(b)fluoranthene	0.04	726		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C3	Soil/Solid	8/1/96	8270	8/5/96	8/19/96	Benzo(k)fluoranthene	0.04	234	J	333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C3	Soil/Solid	8/1/96	8270	8/5/96	8/19/96	Benzo(a)pyrene	0.04	544		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C3	Soil/Solid	8/1/96	8270	8/5/96	8/19/96	Indeno(1,2,3-cd)pyrene	0.04	405		333	ng/g	on-site
UST-2658-A	Bldg 2658	EX2658-C3	Soil/Solid	8/1/96	8270	8/5/96	8/19/96	Benzo(g,h,i)perylene	0.04	373		333	ng/g	on-site
UST-2658-A	2658GP	HPGP-02-LQ	Aqueous	7/15/96	8021	7/22/96	7/22/96	m,p-Xylene	5	26.4		5	ug/l	on-site
UST-2658-A	2658GP	HPGP-02-LQ	Aqueous	7/15/96	8021	7/22/96	7/22/96	o-Xylene	5	10.7		5	ug/l	on-site

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JST-2658-A	2658GP	HPGP-04	Soil/Solid	7/15/96	8021	7/25/96	7/25/96	Ethylbenzene	100	4400.2	D	125	ng/g	on-site
JST-2658-A	2658GP	HPGP-04	Soil/Solid	7/15/96	8021	7/25/96	7/25/96	o-Xylene	100	1757.7	D	125	ng/g	on-site
JST-2658-A	2658GP	HPGP-05-LQ	Aqueous	7/15/96	8021	7/27/96	7/27/96	Benzene	0.70	.9	J	5	ug/l	on-site
JST-2658-A	2658GP	HPGP-10	Soil/Solid	7/16/96	8021	7/25/96	7/25/96	Benzene	14	78.4	JD	250	ng/g	on-site
JST-2658-A	2658GP	HPGP-10	Soil/Solid	7/16/96	8021	7/25/96	7/25/96	Toluene	100	276.7	D	250	ng/g	on-site
JST-2658-A	2658GP	HPGP-10	Soil/Solid	7/16/96	8021	7/25/96	7/25/96	Ethylbenzene	100	3448.1	D	250	ng/g	on-site
JST-2658-A	2658GP	HPGP-10	Soil/Solid	7/16/96	8021	7/25/96	7/25/96	m,p-Xylene	100	411.4	D	250	ng/g	on-site
JST-2658-A	2658GP	HPGP-10	Soil/Solid	7/16/96	8021	7/25/96	7/25/96	o-Xylene	100	1345.7	D	250	ng/g	on-site
JST-2658-A	2658GP	HPGP-10	Soil/Solid	7/16/96	8270	7/23/96	7/25/96	Chrysene	0.04	51	J	333	ng/g	on-site
JST-2658-A	2658GP	HPGP-10-LQ	Aqueous	7/16/96	8021	7/22/96	7/22/96	Benzene	0.70	8.0		5	ug/l	on-site
JST-2658-A	2658GP	HPGP-10-LQ	Aqueous	7/16/96	8021	7/22/96	7/22/96	Ethylbenzene	5	90.5		5	ug/l	on-site
JST-2658-A	2658GP	HPGP-10-LQ	Aqueous	7/16/96	8021	7/22/96	7/22/96	o-Xylene	5	35.6		5	ug/l	on-site
JST-2658-A	2658GP	HPGP-12-LQ	Aqueous	7/17/96	8021	7/22/96	7/22/96	Ethylbenzene	5	5.9		5	ug/l	on-site
JST-2658-A	2658GP	HPGP-13	Soil/Solid	7/17/96	8021	7/26/96	7/26/96	Toluene	100	674.8	D	125	ng/g	on-site
JST-2658-A	2658GP	HPGP-13	Soil/Solid	7/17/96	8021	7/26/96	7/26/96	Ethylbenzene	100	2823.8	D	125	ng/g	on-site
JST-2658-A	2658GP	HPGP-13	Soil/Solid	7/17/96	8021	7/26/96	7/26/96	m,p-Xylene	100	5548.5	D	125	ng/g	on-site
JST-2658-A	2658GP	HPGP-13	Soil/Solid	7/17/96	8021	7/26/96	7/26/96	o-Xylene	100	3587.7	D	125	ng/g	on-site
JST-2658-A	2658GP	HPGP-13	Soil/Solid	7/17/96	8270	7/23/96	7/25/96	Naphthalene	200	965	JD	3330	ng/g	on-site
JST-2658-A	2658GP	HPGP-13	Soil/Solid	7/17/96	8270	7/23/96	7/25/96	Acenaphthene	400	433	JD	3330	ng/g	on-site
JST-2658-A	2658GP	HPGP-13	Soil/Solid	7/17/96	8270	7/23/96	7/25/96	Phenanthrene	1000	2047	JD	3330	ng/g	on-site
JST-2658-A	2658GP	HPGP-13	Soil/Solid	7/17/96	8270	7/23/96	7/25/96	Fluoranthene	1000	1043	JD	3330	ng/g	on-site
JST-2658-A	2658GP	HPGP-13	Soil/Solid	7/17/96	8270	7/23/96	7/25/96	Pyrene	1000	2323	JD	3330	ng/g	on-site
JST-2658-A	2658GP	HPGP-13	Soil/Solid	7/17/96	8270	7/23/96	7/25/96	Benzo(a)anthracene	0.04	1161	JD	3330	ng/g	on-site
JST-2658-A	2658GP	HPGP-13	Soil/Solid	7/17/96	8270	7/23/96	7/25/96	Chrysene	0.04	2303	JD	3330	ng/g	on-site
JST-2658-A	2658GP	HPGP-13	Soil/Solid	7/17/96	8270	7/23/96	7/25/96	Benzo(b)fluoranthene	0.04	906	JD	3330	ng/g	on-site
JST-2658-A	2658GP	HPGP-13	Soil/Solid	7/17/96	8270	7/23/96	7/25/96	Benzo(k)fluoranthene	0.04	354	JD	3330	ng/g	on-site
JST-2658-A	2658GP	HPGP-13	Soil/Solid	7/17/96	8270	7/23/96	7/25/96	Benzo(a)pyrene	0.04	1024	JD	3330	ng/g	on-site
JST-2658-A	2658GP	HPGP-13	Soil/Solid	7/17/96	8270	7/23/96	7/25/96	Indeno(1,2,3-cd)pyrene	0.04	315	JD	3330	ng/g	on-site
JST-2658-A	2658GP	HPGP-13	Soil/Solid	7/17/96	8270	7/23/96	7/25/96	Benzo(g,h,i)perylene	0.04	610	JD	3330	ng/g	on-site
JST-2658-A	2658GP	HPGP-14	Soil/Solid	7/17/96	8021	7/25/96	7/25/96	Ethylbenzene	100	417.1		5	ng/g	on-site
JST-2658-A	2658GP	HPGP-14	Soil/Solid	7/17/96	8021	7/25/96	7/25/96	o-Xylene	100	278.2		5	ng/g	on-site
JST-2658-A	2658GP	HPGP-14-LQ	Aqueous	7/17/96	8021	7/22/96	7/22/96	Benzene	0.70	33.4		5	ug/l	on-site
JST-2658-A	2658GP	HPGP-14-LQ	Aqueous	7/17/96	8021	7/22/96	7/22/96	Toluene	5	61.7		5	ug/l	on-site
JST-2658-A	2658GP	HPGP-14-LQ	Aqueous	7/17/96	8021	7/22/96	7/22/96	Ethylbenzene	5	302.3		5	ug/l	on-site
JST-2658-A	2658GP	HPGP-14-LQ	Aqueous	7/17/96	8021	7/22/96	7/22/96	m,p-Xylene	5	81.3		5	ug/l	on-site
JST-2658-A	2658GP	HPGP-14-LQ	Aqueous	7/17/96	8021	7/22/96	7/22/96	o-Xylene	5	127.5		5	ug/l	on-site
	2658 Trench	TT2658-2	Soil/Solid	11/21/96	8021	11/26/96	11/26/96	Xylenes, total	100	4500.0	D	3300	ng/g	Lab Res
	2658 Trench	TT2658-2	Soil/Solid	11/21/96	8270	11/25/96	11/26/96	Naphthalene	200	430	JD	1100	ng/g	Lab Res
	2658 Trench	TT2658-LQ	Aqueous	11/21/96	8021	11/22/96	11/22/96	Xylenes, total	5	24000.	D	500	ug/l	Lab Res
	2658 Trench	TT2658-LQ	Aqueous	11/21/96	8270	11/25/96	11/26/96	Naphthalene	10	4700.0	D	500	ug/l	Lab Res
	2658 Trench	TT2658-LQ	Aqueous	11/21/96	8270	11/25/96	11/26/96	Fluorene	50	500.0	D	500	ug/l	Lab Res
	2658 Trench	TT2658-LQ	Aqueous	11/21/96	8270	11/25/96	11/26/96	Phenanthrene	50	580.0	D	500	ug/l	Lab Res

= estimated value below practical quantitation limit and above method detection limit
) = sample was diluted, see corresponding detection limit
3 = analyte was detected in an associated blank as well as in the sample

Sample Matrix 3 - List of Cleanup Criteria Exceedences

Tank ID	Site ID	SampleID	Matrix	Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units	Lab
UST-2704	Bldg 2704	EX2704-1	Soil/Solid	6/28/96	8021	7/11/96	7/11/96	m,p-Xylene	100	1033.4	D	125	ng/g	on-site
UST-2704	Bldg 2704	EX2704-1	Soil/Solid	6/28/96	8270	7/9/96	7/10/96	Naphthalene	200	257	J	333	ng/g	on-site
UST-2704	Bldg 2704	EX2704-2	Soil/Solid	8/14/96	8021	8/27/96	8/27/96	Ethylbenzene	100	135.3		5	ng/g	on-site
UST-2704	Bldg 2704	EX2704-2	Soil/Solid	8/14/96	8021	8/27/96	8/27/96	m,p-Xylene	100	689.1		5	ng/g	on-site
UST-2704	Bldg 2704	EX2704-2	Soil/Solid	8/14/96	8021	8/27/96	8/27/96	o-Xylene	100	656.8		5	ng/g	on-site
OWS-2763-2	Bldg 2763	EX2763-LQ3	Aqueous	1/30/97	8021	2/4/97	2/4/97	Trichloroethylene	5	38.0		0.5	ug/l	Premier
OWS-2763-2	Bldg 2763	EX2763-LQ3	Aqueous	1/30/97	8021	2/4/97	2/4/97	Xylenes, total	5	8.8		0.5	ug/l	Premier
2 USTs	Tank 2812	EX2812-LQ	Aqueous	4/15/96	8021	4/16/96	4/16/96	Benzene	0.70	2.7	J	5	ug/l	on-site
2 USTs	Tank 2812	EX2812-LQ	Aqueous	4/15/96	8021	4/16/96	4/16/96	Toluene	5	8.1	B	5	ug/l	on-site
2 USTs	Tank 2812	EX2812-LQ	Aqueous	4/15/96	8021	4/16/96	4/16/96	m,p-Xylene	5	8.9		5	ug/l	on-site
OWS-3400	Bldg 3400	EXOWS3400B	Soil/Solid	9/16/96	8270	9/18/96	9/19/96	Chrysene	0.04	47	J	333	ng/g	on-site
OWS-3400	Bldg 3400	EXOWS3400N	Soil/Solid	9/16/96	8270	9/18/96	9/19/96	Benzo(a)anthracene	0.04	198	J	333	ng/g	on-site
OWS-3400	Bldg 3400	EXOWS3400N	Soil/Solid	9/16/96	8270	9/18/96	9/19/96	Chrysene	0.04	190	J	333	ng/g	on-site
OWS-3400	Bldg 3400	EXOWS3400N	Soil/Solid	9/16/96	8270	9/18/96	9/19/96	Benzo(b)fluoranthene	0.04	183	J	333	ng/g	on-site
OWS-3400	Bldg 3400	EXOWS3400N	Soil/Solid	9/16/96	8270	9/18/96	9/19/96	Benzo(k)fluoranthene	0.04	172	J	333	ng/g	on-site
OWS-3400	Bldg 3400	EXOWS3400N	Soil/Solid	9/16/96	8270	9/18/96	9/19/96	Benzo(a)pyrene	0.04	213	J	333	ng/g	on-site
OWS-3400	Bldg 3400	EXOWS3400N	Soil/Solid	9/16/96	8270	9/18/96	9/19/96	Indeno(1,2,3-cd)pyrene	0.04	170	J	333	ng/g	on-site
OWS-3400	Bldg 3400	EXOWS3400N	Soil/Solid	9/16/96	8270	9/18/96	9/19/96	Benzo(g,h,i)perylene	0.04	159	J	333	ng/g	on-site
OWS-3400	Bldg 3400	EXOWS3400W	Soil/Solid	9/16/96	8270	9/18/96	9/19/96	Benzo(a)anthracene	0.04	253	J	333	ng/g	on-site
OWS-3400	Bldg 3400	EXOWS3400W	Soil/Solid	9/16/96	8270	9/18/96	9/19/96	Chrysene	0.04	244	J	333	ng/g	on-site
OWS-3400	Bldg 3400	EXOWS3400W	Soil/Solid	9/16/96	8270	9/18/96	9/19/96	Benzo(b)fluoranthene	0.04	240	J	333	ng/g	on-site
OWS-3400	Bldg 3400	EXOWS3400W	Soil/Solid	9/16/96	8270	9/18/96	9/19/96	Benzo(k)fluoranthene	0.04	188	J	333	ng/g	on-site
OWS-3400	Bldg 3400	EXOWS3400W	Soil/Solid	9/16/96	8270	9/18/96	9/19/96	Benzo(a)pyrene	0.04	240	J	333	ng/g	on-site
OWS-3400	Bldg 3400	EXOWS3400W	Soil/Solid	9/16/96	8270	9/18/96	9/19/96	Indeno(1,2,3-cd)pyrene	0.04	191	J	333	ng/g	on-site
OWS-3400	Bldg 3400	EXOWS3400W	Soil/Solid	9/16/96	8270	9/18/96	9/19/96	Benzo(g,h,i)perylene	0.04	172	J	333	ng/g	on-site
UST-3578-A-2	Bldg 3578	EX3578-1	Soil/Solid	10/9/96	8021	10/16/96	10/16/96	Ethylbenzene	100	111.0	D	111	ng/g	ESS
UST-3578-A-2	Bldg 3578	EX3578-1	Soil/Solid	10/9/96	8021	10/16/96	10/16/96	Xylenes, total	100	1110.0	D	222	ng/g	ESS
UST-3578-A-2	Bldg 3578	EX3578-1	Soil/Solid	10/9/96	8270	10/10/96	10/11/96	Naphthalene	200	4040		367	ng/g	ESS
UST-3578-A-2	Bldg 3578	EX3578-1	Soil/Solid	10/9/96	8270	10/10/96	10/11/96	Acenaphthene	400	1730		367	ng/g	ESS
UST-3578-A-2	Bldg 3578	EX3578-1	Soil/Solid	10/9/96	8270	10/10/96	10/11/96	Phenanthrene	1000	4710		367	ng/g	ESS
UST-3578-A-2	Bldg 3578	EX3578-2	Soil/Solid	10/9/96	8021	10/16/96	10/16/96	Ethylbenzene	100	118.0	D	59	ng/g	ESS
UST-3578-A-2	Bldg 3578	EX3578-2	Soil/Solid	10/9/96	8021	10/16/96	10/16/96	Xylenes, total	100	294.0	D	118	ng/g	ESS
UST-3578-A-2	Bldg 3578	EX3578-2	Soil/Solid	10/9/96	8270	10/10/96	10/11/96	Naphthalene	200	2950		388	ng/g	ESS
UST-3578-A-2	Bldg 3578	EX3578-2	Soil/Solid	10/9/96	8270	10/10/96	10/11/96	Acenaphthene	400	1654		388	ng/g	ESS
UST-3578-A-2	Bldg 3578	EX3578-2	Soil/Solid	10/9/96	8270	10/10/96	10/11/96	Phenanthrene	1000	3990		388	ng/g	ESS
UST-3578-A-2	Bldg 3578	EX3578-2	Soil/Solid	10/9/96	8270	10/10/96	10/11/96	Pyrene	1000	1710		388	ng/g	ESS
UST-3578-A-2	Bldg 3578	EX3578-E	Soil/Solid	12/30/96	8270	1/3/97	1/6/97	Phenanthrene	1000	1700	D	880	ng/g	Lab Res
UST-3578-A-2	Bldg 3578	EX3578-E	Soil/Solid	12/30/96	8270	1/3/97	1/6/97	Anthracene	1000	1900	D	880	ng/g	Lab Res
UST-3578-A-2	Bldg 3578	EX3578-LQ	Aqueous	10/9/96	8021	10/16/96	10/16/96	Xylenes, total	5	9.0		2	ug/l	ESS
UST-3578-A-2	Bldg 3578	EX3578-N	Soil/Solid	12/30/96	8270	1/3/97	1/6/97	Acenaphthene	400	670	D	350	ng/g	Lab Res
UST-3578-A-2	Bldg 3578	EX3578-N	Soil/Solid	12/30/96	8270	1/3/97	1/6/97	Phenanthrene	1000	5500	D	350	ng/g	Lab Res
UST-3578-A-2	Bldg 3578	EX3578-N	Soil/Solid	12/30/96	8270	1/3/97	1/6/97	Anthracene	1000	1500	D	350	ng/g	Lab Res

J = estimated value below practical quantitation limit and above method detection limit
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Sample Matrix 3 - List of Cleanup Criteria Exceedences

Tank ID	Site ID	SampleID	Matrix	Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units	Lab
UST-3578-A-2	Bldg 3578	EX3578-N	Soil/Solid	12/30/96	8270	1/3/97	1/6/97	Fluoranthene	1000	5200	D	350	ng/g	Lab Res
UST-3578-A-2	Bldg 3578	EX3578-N	Soil/Solid	12/30/96	8270	1/3/97	1/6/97	Pyrene	1000	5500	D	350	ng/g	Lab Res
UST-3578-A-2	Bldg 3578	EX3578-N	Soil/Solid	12/30/96	8270	1/3/97	1/6/97	Benzo(a)anthracene	0.04	2500	D	350	ng/g	Lab Res
UST-3578-A-2	Bldg 3578	EX3578-N	Soil/Solid	12/30/96	8270	1/3/97	1/6/97	Chrysene	0.04	2000	D	350	ng/g	Lab Res
UST-3578-A-2	Bldg 3578	EX3578-N	Soil/Solid	12/30/96	8270	1/3/97	1/6/97	Benzo(b)fluoranthene	0.04	1500	D	350	ng/g	Lab Res
UST-3578-A-2	Bldg 3578	EX3578-N	Soil/Solid	12/30/96	8270	1/3/97	1/6/97	Benzo(k)fluoranthene	0.04	1300	D	350	ng/g	Lab Res
UST-3578-A-2	Bldg 3578	EX3578-N	Soil/Solid	12/30/96	8270	1/3/97	1/6/97	Benzo(a)pyrene	0.04	1600	D	350	ng/g	Lab Res
UST-3578-A-2	Bldg 3578	EX3578-N	Soil/Solid	12/30/96	8270	1/3/97	1/6/97	Indeno(1,2,3-cd)pyrene	0.04	700	D	350	ng/g	Lab Res
UST-3578-A-2	Bldg 3578	EX3578-N	Soil/Solid	12/30/96	8270	1/3/97	1/6/97	Benzo(g,h,i)perylene	0.04	840	D	350	ng/g	Lab Res
UST-3578-A-2	Bldg 3578	EX3578-W1	Soil/Solid	12/30/96	8270	1/3/97	1/6/97	Naphthalene	200	1800	D	860	ng/g	Lab Res
UST-3578-A-2	Bldg 3578	EX3578-W1	Soil/Solid	12/30/96	8270	1/3/97	1/6/97	Phenanthrene	1000	2700	D	860	ng/g	Lab Res
UST-3578-A-2	Bldg 3578	EX3578-W2	Soil/Solid	12/30/96	8021	1/6/97	1/6/97	Xylenes, total	100	250.0	D	110	ng/g	Lab Res
UST-3578-A-2	Bldg 3578	EX3578-W2	Soil/Solid	12/30/96	8270	1/3/97	1/6/97	Phenanthrene	1000	3600	D	3500	ng/g	Lab Res
UST-3578-A-2	Bldg 3578	EX3578A-LQ	Aqueous	6/25/96	8021	6/28/96	6/28/96	Benzene	0.70	1.6	JB	5	ug/l	on-site
UST-3582	Bldg 3582	EX3582-LQ1	Aqueous	5/16/96	8270	5/21/96	5/22/96	Benzo(a)anthracene	0.002	1	J	5	ug/l	on-site
UST-3583-A-2	Bldg 3583	EX3583-LQ	Aqueous	4/2/96	8021	4/10/96	4/10/96	Benzene	0.70	1.6	J	5	ug/l	on-site
UST-5128	Bldg 5128	EX5128-LQ1	Aqueous	5/3/96	8270	5/8/96	5/18/96	Benzo(a)anthracene	0.002	16.4	JD	50	ug/l	on-site
UST-5128	Bldg 5128	EX5128-LQ1	Aqueous	5/3/96	8270	5/8/96	5/18/96	Chrysene	0.002	13.6	JD	50	ug/l	on-site
UST-5128	Bldg 5128	EX5128-LQ1	Aqueous	5/3/96	8270	5/8/96	5/18/96	Benzo(b)fluoranthene	0.002	16.7	JD	50	ug/l	on-site
UST-5128	Bldg 5128	EX5128-LQ1	Aqueous	5/3/96	8270	5/8/96	5/18/96	Benzo(a)pyrene	0.002	11.9	JD	50	ug/l	on-site
UST-5128	Bldg 5128	EX5128-LQ1	Aqueous	5/3/96	8270	5/8/96	5/18/96	Indeno(1,2,3-cd)pyrene	0.002	7.7	JD	50	ug/l	on-site
UST-5128	Bldg 5128	EX5128-LQ1	Aqueous	5/3/96	8270	5/8/96	5/18/96	Benzo(g,h,i)perylene	0.002	7.7	JD	50	ug/l	on-site

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BLANK RESULTS MATRIX

BLANK MATRIX 1
FIELD GENERATED BLANK RESULTS SUMMARY

Blank Matrix 1 - Field Generated Blank Results Summary

Site ID	SampleID	Matrix	Date Sampled	Purpose	Volatile Analysis Date	Semivolatile Extraction Date	Semivolatile Analysis Date	MTBE	Benzene	Trichloroethylene	Toluene	Ethylbenzene	M,p-Xylene	O-Xylene	Xylenes, total	Naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
Bldg 505	FB505	Aqueous	06-Dec-95	Field Blank	07-Dec-95			-	J	-	J	-	-	-																
Bldg 2335	FB2335A	Aqueous	07-Dec-95	Field Blank	14-Dec-95			-	-		J	-	+	J																
Bldg 614	ER12895	Aqueous	08-Dec-95	Equipment Rinsate		10-Dec-95	12-Dec-95									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bldg 614	FB614	Aqueous	08-Dec-95	Field Blank	14-Dec-95			-	-	-	-	-	-	-																
Bldg 640	ER640-1	Aqueous	11-Dec-95	Equipment Rinsate		14-Dec-95	15-Dec-95									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bldg 2335	FB2335B	Aqueous	11-Dec-95	Field Blank	15-Dec-95			-	-		-	-	-	-																
Bldg 639	FB639	Aqueous	11-Dec-95	Field Blank	18-Dec-95			-	-	-	-	-	-	-																
Bldg 640	FB640	Aqueous	11-Dec-95	Field Blank	15-Dec-95			-	-	-	-	-	-	-																
Bldg 2335	FB2335F	Aqueous	12-Dec-95	Field Blank	15-Dec-95			-	-		-	-	-	-																
Bldg 2335	FB2335G	Aqueous	12-Dec-95	Field Blank	16-Dec-95			-	-		-	-	-	-																
Bldg 646	FB646	Aqueous	12-Dec-95	Field Blank	14-Dec-95			-	J	-	+	+	+	+																
Bldg 476	FB476	Aqueous	13-Dec-95	Field Blank	15-Dec-95			-	-	-	-	-	-	-																
MFH221	ER221	Aqueous	14-Dec-95	Equipment Rinsate		15-Dec-95	18-Dec-95									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MFH217	FB217	Aqueous	18-Dec-95	Field Blank	18-Dec-95			-	-	-	-	-	-	-																
MFH205	ER205	Aqueous	19-Dec-95	Equipment Rinsate		21-Dec-95	27-Dec-95									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bldg 2335	EX2335BLK	Aqueous	03-Jan-96	Field Blank	05-Jan-96			-	-		-	-	-	-																
MFH208	EX208FBA	Aqueous	04-Jan-96	Field Blank	05-Jan-96			-	-	-	-	-	-	-																
MFH213	EX213FBA	Aqueous	04-Jan-96	Field Blank	06-Jan-96			-	-	-	-	-	-	-																
MFH871A	EXMFH871AR	Aqueous	05-Jan-96	Equipment Rinsate	14-Jan-96	11-Jan-96	13-Jan-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MFH871A	FBMFH871A	Aqueous	05-Jan-96	Field Blank	06-Jan-96			-	-	-	-	-	-	-																
TRIP BLANKS	TB01/05/96	Aqueous	05-Jan-96	Trip Blank	14-Jan-96			-	-	-	-	-			-															
MFH960	FBMFH960	Aqueous	18-Jan-96	Field Blank	19-Jan-96			-	-	-	-	-	-	-	-															
MFH221B	EX221B-2FB	Aqueous	01-Feb-96	Field Blank	07-Feb-96			-	-	-	-	-	-	-																
MFH805A	EX805A-FB	Aqueous	22-Feb-96	Field Blank	22-Feb-96			-	-	-	-	-	-	-																
MFH805A	SP805A-FB	Aqueous	23-Feb-96	Field Blank	26-Feb-96			-	-	-	-	-	-	-																
Bldg 408	ER032596	Aqueous	25-Mar-96	Equipment Rinsate	27-Mar-96	04-Apr-96	05-Apr-96	-	-	-	J	-	+	J		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRIP BLANKS	TB03/25/96	Aqueous	25-Mar-96	Trip Blank	28-Mar-96			-	-	-	-	-			-															
OWS2700	EX2700-FB	Aqueous	01-Apr-96	Field Blank	12-Apr-96			-	-	J	J	-	-	J																
Bldg 3583	EX3583-FB	Aqueous	02-Apr-96	Field Blank	10-Apr-96			-	-	J	J	-	-	-																
TRIP BLANKS	TB04/04/96	Aqueous	04-Apr-96	Trip Blank	09-Apr-96			-	-	-	-	-			-															
Tank 2812	ER041596	Aqueous	15-Apr-96	Equipment Rinsate	16-Apr-96	18-Apr-96	23-Apr-96	-	-	-	J	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank 2812	EX2812-FB	Aqueous	15-Apr-96	Field Blank	16-Apr-96			-	-	-	J	-	-	-																
Bldg 2815	EX2815-FB	Aqueous	16-Apr-96	Field Blank	17-Apr-96			-	-	-	-	-	-	-																
Bldg 3190	EX3190-FB	Aqueous	24-Apr-96	Field Blank	25-Apr-96			-	-	-	-	-	-	-																
TRIP BLANKS	TB04/24/96	Aqueous	24-Apr-96	Trip Blank	30-Apr-96			-	-	-	-	-			-															
Bldg 3218	EX3218-FB	Aqueous	25-Apr-96	Field Blank	25-Apr-96			-	-	-	-	-	-	-																
TRIP BLANKS	TB05/02/96	Aqueous	02-May-96	Trip Blank	06-May-96			-	-	-	-	-			-															
Bldg 5128	EX5128-FB	Aqueous	03-May-96	Field Blank	03-May-96			-	-	-	J	-	-	-																
Bldg 177	EX177-FB	Aqueous	06-May-96	Field Blank	06-May-96			-	-	-	-	-	-	-																
Bldg 2763	EX2763-FB	Aqueous	08-May-96	Field Blank	17-May-96			-	J	-	J	-	-	-																
Bldg 3582	EX3582-FB	Aqueous	16-May-96	Field Blank	23-May-96			-	-	-	-	-	-	-																
Bldg 2658	ER2658	Aqueous	23-May-96	Equipment Rinsate	23-May-96	28-May-96	29-May-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bldg 508	EX508-FB	Aqueous	29-May-96	Field Blank	31-May-96			-	-	-	-	-	-	-																
Bldg 2658	AB2658	Aqueous	01-Aug-96	Ambient Blank	15-Aug-96			-	-	-	-	-	-	-																
2658COMP	AB2658-1	Aqueous	01-Aug-96	Ambient Blank	15-Aug-96			-	-	-	-	-	-	-																
TRIP BLANKS	TB08/02/96	Aqueous	02-Aug-96	Trip Blank	07-Aug-96			-	-	-	-	-			-															
Bldg 1810	AB1810	Aqueous	06-Aug-96	Ambient Blank	16-Aug-96			-	-	-	-	J	-	J																
MFH201B	ABMFH201B	Aqueous	06-Aug-96	Ambient Blank	18-Aug-96			-	-	-	J	-	-	-																
MFH212B	ABMFH212B	Aqueous	07-Aug-96	Ambient Blank	17-Aug-96			-	J	-	J	-	-	J																
MFH217A	ABMFH217A	Aqueous	07-Aug-96	Ambient Blank	17-Aug-96			-	-	-	-	-	-	-																

Key blank = not analyzed, (-) = not detected, (J) = detected, below PQL, (+) = detected at or above PQL

Blank Matrix 1 - Field Generated Blank Results Summary

Site ID	SampleID	Matrix	Date Sampled	Purpose	Volatile Analysis Date	Semivolatile Extraction Date	Semivolatile Analysis Date	MTBE	Benzene	Trichloroethylene	Toluene	Ethylbenzene	M,p-Xylene	O-Xylene	Xylenes, total	Naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
TRIP BLANKS	TB08/07/96	Aqueous	07-Aug-96	Trip Blank	08-Aug-96			-	-	-	-	-	-	-																
MFH221A	ABMFH221A-LQ	Aqueous	08-Aug-96	Ambient Blank	16-Aug-96			-	-	-	-	-	-	-																
TRIP BLANKS	TB08/08/96	Aqueous	08-Aug-96	Trip Blank	13-Aug-96			-	-	-	-	-			-															
MFH237B	ABMFH237B	Aqueous	12-Aug-96	Ambient Blank	19-Aug-96			-	J	-	J	-	-	J																
MFH229A	ER081296	Aqueous	12-Aug-96	Equipment Rinsate	20-Aug-96	15-Aug-96	20-Aug-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MFH800	ER081396	Aqueous	13-Aug-96	Equipment Rinsate	22-Aug-96	22-Aug-96	23-Aug-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MBLANKS	MBLANK 2954	Aqueous	13-Aug-96	Method Blank	13-Aug-96			J	J	+	J	J	-	J																
Bldg 2704	AB2704-2	Aqueous	14-Aug-96	Ambient Blank	28-Aug-96			-	-	-	-	-	-	-																
Bldg 2704	ER081496	Aqueous	14-Aug-96	Equipment Rinsate	26-Aug-96	15-Aug-96	20-Aug-96	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MBLANKS	MBLANK 2988	Aqueous	15-Aug-96	Method Blank	15-Aug-96			J	J	-	J	-	-	J																
MBLANKS	MBLANK 2999	Aqueous	15-Aug-96	Method Blank	15-Aug-96			-	J	-	-	-	-	-																
MBLANKS	MBLANK 3011	Aqueous	16-Aug-96	Method Blank	16-Aug-96			J	J	J	J	J	-	J																
MBLANKS	MBLANK 3027	Aqueous	17-Aug-96	Method Blank	17-Aug-96			-	J	-	-	-	-	J																
MFH804	ABMFH804	Aqueous	19-Aug-96	Ambient Blank	05-Sep-96			-	-	-	-	-	-	-																
MFH809B	ABMFH809B	Aqueous	20-Aug-96	Ambient Blank	07-Sep-96			-	-	-	-	-	-	-																
MFH225B	ABMFH225B	Aqueous	22-Aug-96	Ambient Blank	07-Sep-96			-	-	-	-	-	-	-																
MFH884B	TRIP BLANK	Aqueous	23-Aug-96	Trip Blank	29-Aug-96			-	-	-	-	-			-															
TRIP BLANKS	TB08/26/96	Aqueous	26-Aug-96	Trip Blank	29-Aug-96			-	-	-	-	-			-															
TRIP BLANKS	TB08/29/96	Aqueous	29-Aug-96	Trip Blank	05-Sep-96			-	-	-	-	-			-															
Bldg 2555	AB2555	Aqueous	12-Sep-96	Ambient Blank	17-Sep-97			-	-	-	-	-	-	-																
TRIP BLANKS	TB09/12/96	Aqueous	12-Sep-96	Trip Blank	18-Sep-96			-	-	-	-	-			-															
Bldg 3400	ABOWS3400	Aqueous	16-Sep-96	Ambient Blank	25-Sep-96			-	-	J	J	J	-	J																
TRIP BLANKS	TB09/16/96	Aqueous	16-Sep-96	Trip Blank	26-Sep-96			-	-	-	-	-			-															
MBLANKS	MBLANK 3044	Aqueous	17-Sep-96	Method Blank	17-Sep-96			-	J	-	-	+	+	J																
MFH851B	ABMFH851B-2	Aqueous	18-Sep-96	Ambient Blank	02-Oct-92																									
MFH220B	ABMFH220B-2	Aqueous	19-Sep-96	Ambient Blank	03-Oct-96			-	-	-	-	-			-															
MFH875A	ER100196	Aqueous	01-Oct-96	Equipment Rinsate	06-Oct-96			-	-	-	-	-	-	-																
TRIP BLANKS	TB10/02/96	Aqueous	02-Oct-96	Trip Blank	07-Oct-96			-	-	-	-	-			-															
TRIP BLANKS	TB10/02/96A	Aqueous	02-Oct-96	Trip Blank	05-Oct-96			-	-	-	-	-	-	-																
TRIP BLANKS	TB10/03/96	Aqueous	03-Oct-96	Trip Blank	07-Oct-96			-	-	-	-	-			-															
TRIP BLANKS	TB10/04/96	Aqueous	04-Oct-96	Trip Blank	08-Oct-96			-	-	-	-	-			-															
TRIP BLANKS	TB10/09/96	Aqueous	09-Oct-96	Trip Blank	15-Oct-96			-	-	-	-	-			-															
TRIP BLANKS	TB10/16/96	Aqueous	16-Oct-96	Trip Blank	17-Oct-96			-	-	-	-	-			-															
Bldg 3308	T Blk 10/29	Aqueous	29-Oct-96	Trip Blank	06-Nov-96			-	-	-	-	-			-															
TRIP BLANKS	TB10/29/96	Aqueous	29-Oct-96	Trip Blank	06-Nov-96			-	-	-	-	-			-															
Bldg 2565	ER110496	Aqueous	04-Nov-96	Equipment Rinsate	06-Nov-96	06-Nov-96	10-Nov-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRIP BLANKS	TB11/04/96	Aqueous	04-Nov-96	Trip Blank	06-Nov-96			-	-	-	-	-			-															
Bldg 2551	AB2551	Aqueous	13-Nov-96	Ambient Blank	18-Nov-96			-	-	-	-	-			-															
Bldg 2554	AB2554	Aqueous	13-Nov-96	Ambient Blank	18-Nov-96			-	-	-	-	-			-															
Bldg 2554	ER111396	Aqueous	13-Nov-96	Equipment Rinsate	15-Nov-96	15-Nov-96	19-Nov-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bldg 2552	AB2552	Aqueous	14-Nov-96	Ambient Blank	18-Nov-96			-	-	-	-	-			-															
Bldg 2552	ER111496	Aqueous	14-Nov-96	Equipment Rinsate	15-Nov-96	19-Nov-96	19-Nov-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRIP BLANKS	TB11/14/96	Aqueous	14-Nov-96	Trip Blank	18-Nov-96			-	-	-	-	-			-															
408 Geoprobe	ER111896	Aqueous	18-Nov-96	Equipment Rinsate	21-Nov-96	20-Nov-96	27-Nov-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408 Geoprobe	TB 11/18/96	Aqueous	18-Nov-96	Trip Blank	21-Nov-96			-	-	-	-	-			-															
TRIP BLANKS	TB11/18/96	Aqueous	18-Nov-96	Trip Blank	21-Nov-96			-	-	-	-	-			-															
2658 Trench	AB2658-TT	Aqueous	21-Nov-96	Ambient Blank	22-Nov-96			-	-	-	-	-			-															
2658 Trench	ER112196	Aqueous	21-Nov-96	Equipment Rinsate	22-Nov-96	25-Nov-96	25-Nov-96	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRIP BLANKS	TB 11/21	Aqueous	21-Nov-96	Trip Blank	22-Nov-96			-	-	-	-	-			-															
TRIP BLANKS	TB11/21/96	Aqueous	21-Nov-96	Trip Blank	22-Nov-96			-	-	-	-	-			-															

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Blank Matrix 1 - Field Generated Blank Results Summary

Site ID	SampleID	Matrix	Date Sampled	Purpose	Volatile Analysis Date	Semivolatile Extraction Date	Semivolatile Analysis Date	MTBE	Benzene	Trichloroethylene	Toluene	Ethylbenzene	M,p-Xylene	O-Xylene	Xylenes, total	Naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
TRIP BLANKS	TB12/30/96	Aqueous	30-Dec-96	Trip Blank	07-Jan-97			-	-	-	-	-			-																
Bldg 2763	AB2763-3	Aqueous	30-Jan-97	Ambient Blank	04-Feb-97			-	-	-	-	-			-																
Bldg 2763	ER013097	Aqueous	30-Jan-97	Equipment Rinsate	04-Feb-97			-	-	-	-	-			-																
Bldg 2763	TB 013097	Aqueous	30-Jan-97	Trip Blank	04-Feb-97			-	-	-	-	-			-																
TRIP BLANKS	TB013097	Aqueous	30-Jan-97	Trip Blank	04-Feb-97			-	-	-	-	-			-																

Key blank = not analyzed, (-) = not detected, (J) = detected, below PQL, (+) = detected at or above PQL

BLANK MATRIX 2
FIELD GENERATED BLANKS - POSITIVE RESULTS

Blank Matrix 2 - Field Generated Blanks - Positive Results

Site ID	SampleID	Matrix	Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units	Lab
Bldg 505	FB505	Aqueous	12/6/95	8021	12/7/95	12/7/95	Benzene	0.70	1.7	J	5	ug/l	on-site
Bldg 505	FB505	Aqueous	12/6/95	8021	12/7/95	12/7/95	Toluene	5	2.1	J	5	ug/l	on-site
Bldg 2335	FB2335A	Aqueous	12/7/95	8021	12/14/95	12/14/95	Toluene	5	1.1	JB	5	ug/l	on-site
Bldg 2335	FB2335A	Aqueous	12/7/95	8021	12/14/95	12/14/95	m,p-Xylene	5	13.7	B	5	ug/l	on-site
Bldg 2335	FB2335A	Aqueous	12/7/95	8021	12/14/95	12/14/95	o-Xylene	5	4.1	JB	5	ug/l	on-site
Bldg 646	FB646	Aqueous	12/12/95	8021	12/14/95	12/14/95	Benzene	0.70	1.7	JB	5	ug/l	on-site
Bldg 646	FB646	Aqueous	12/12/95	8021	12/14/95	12/14/95	Toluene	5	12.3	B	5	ug/l	on-site
Bldg 646	FB646	Aqueous	12/12/95	8021	12/14/95	12/14/95	Ethylbenzene	5	6.1	B	5	ug/l	on-site
Bldg 646	FB646	Aqueous	12/12/95	8021	12/14/95	12/14/95	m,p-Xylene	5	25.7	B	5	ug/l	on-site
Bldg 646	FB646	Aqueous	12/12/95	8021	12/14/95	12/14/95	o-Xylene	5	10.3	B	5	ug/l	on-site
Bldg 408	ER032596	Aqueous	3/25/96	8021	3/27/96	3/27/96	Toluene	5	2.3	J	5	ug/l	on-site
Bldg 408	ER032596	Aqueous	3/25/96	8021	3/27/96	3/27/96	m,p-Xylene	5	8.7		5	ug/l	on-site
Bldg 408	ER032596	Aqueous	3/25/96	8021	3/27/96	3/27/96	o-Xylene	5	1.6	J	5	ug/l	on-site
OWS2700	EX2700-FB	Aqueous	4/1/96	8021	4/12/96	4/12/96	Trichloroethylene	5	1.1	JB	5	ug/l	on-site
OWS2700	EX2700-FB	Aqueous	4/1/96	8021	4/12/96	4/12/96	Toluene	5	1.3	J	5	ug/l	on-site
OWS2700	EX2700-FB	Aqueous	4/1/96	8021	4/12/96	4/12/96	o-Xylene	5	0.7	J	5	ug/l	on-site
Bldg 3583	EX3583-FB	Aqueous	4/2/96	8021	4/10/96	4/10/96	Trichloroethylene	5	0.8	JB	5	ug/l	on-site
Bldg 3583	EX3583-FB	Aqueous	4/2/96	8021	4/10/96	4/10/96	Toluene	5	1.2	JB	5	ug/l	on-site
Tank 2812	ER041596	Aqueous	4/15/96	8021	4/16/96	4/16/96	Toluene	5	1.2	JB	5	ug/l	on-site
Tank 2812	EX2812-FB	Aqueous	4/15/96	8021	4/16/96	4/16/96	Toluene	5	1.7	JB	5	ug/l	on-site
Bldg 5128	EX5128-FB	Aqueous	5/3/96	8021	5/3/96	5/3/96	Toluene	5	1.1	JB	5	ug/l	on-site
Bldg 2763	EX2763-FB	Aqueous	5/8/96	8021	5/17/96	5/17/96	Benzene	0.70	1.0	J	5	ug/l	on-site
Bldg 2763	EX2763-FB	Aqueous	5/8/96	8021	5/17/96	5/17/96	Toluene	5	1.3	JB	5	ug/l	on-site
Bldg 1810	AB1810	Aqueous	8/6/96	8021	8/16/96	8/16/96	Ethylbenzene	5	0.9	JB	5	ug/l	on-site
Bldg 1810	AB1810	Aqueous	8/6/96	8021	8/16/96	8/16/96	o-Xylene	5	0.8	JB	5	ug/l	on-site
MFH201B	ABMFH201B	Aqueous	8/6/96	8021	8/18/96	8/18/96	Toluene	5	1.2	JB	5	ug/l	on-site
MFH212B	ABMFH212B	Aqueous	8/7/96	8021	8/17/96	8/17/96	Benzene	0.70	0.8	JB	5	ug/l	on-site
MFH212B	ABMFH212B	Aqueous	8/7/96	8021	8/17/96	8/17/96	Toluene	5	1.1	JB	5	ug/l	on-site
MFH212B	ABMFH212B	Aqueous	8/7/96	8021	8/17/96	8/17/96	o-Xylene	5	0.7	JB	5	ug/l	on-site
MFH237B	ABMFH237B	Aqueous	8/12/96	8021	8/19/96	8/19/96	Benzene	0.70	0.9	J	5	ug/l	on-site
MFH237B	ABMFH237B	Aqueous	8/12/96	8021	8/19/96	8/19/96	Toluene	5	1.3	J	5	ug/l	on-site
MFH237B	ABMFH237B	Aqueous	8/12/96	8021	8/19/96	8/19/96	o-Xylene	5	0.8	J	5	ug/l	on-site
MBLANKS	MBLANK 2954	Aqueous	8/13/96	8021	8/13/96	8/13/96	MTBE	50	23.1	J	40	ug/l	on-site
MBLANKS	MBLANK 2954	Aqueous	8/13/96	8021	8/13/96	8/13/96	Benzene	0.70	1.2	J	5	ug/l	on-site
MBLANKS	MBLANK 2954	Aqueous	8/13/96	8021	8/13/96	8/13/96	Trichloroethylene	5	.5		5	ug/l	on-site
MBLANKS	MBLANK 2954	Aqueous	8/13/96	8021	8/13/96	8/13/96	Toluene	5	1.9	J	5	ug/l	on-site
MBLANKS	MBLANK 2954	Aqueous	8/13/96	8021	8/13/96	8/13/96	Ethylbenzene	5	1.2	J	5	ug/l	on-site
MBLANKS	MBLANK 2954	Aqueous	8/13/96	8021	8/13/96	8/13/96	o-Xylene	5	1.3	J	5	ug/l	on-site
MBLANKS	MBLANK 2988	Aqueous	8/15/96	8021	8/15/96	8/15/96	MTBE	50	22.2	J	40	ug/l	on-site
MBLANKS	MBLANK 2988	Aqueous	8/15/96	8021	8/15/96	8/15/96	Benzene	0.70	.8	J	5	ug/l	on-site
MBLANKS	MBLANK 2988	Aqueous	8/15/96	8021	8/15/96	8/15/96	Toluene	5	1.4	J	5	ug/l	on-site
MBLANKS	MBLANK 2988	Aqueous	8/15/96	8021	8/15/96	8/15/96	o-Xylene	5	.8	J	5	ug/l	on-site

J = estimated value below practical quantitation limit and above method detection limit
D = sample was diluted, see corresponding detection limit
B = analyte was detected in an associated blank as well as in the sample

Blank Matrix 2 - Field Generated Blanks - Positive Results

Site ID	SampleID	Matrix	Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units	Lab
MBLANKS	MBLANK 2999	Aqueous	8/15/96	8021	8/15/96	8/15/96	Benzene	0.70	.8	J	5	ug/l	on-site
MBLANKS	MBLANK 3011	Aqueous	8/16/96	8021	8/16/96	8/16/96	MTBE	50	19.7	J	40	ug/l	on-site
MBLANKS	MBLANK 3011	Aqueous	8/16/96	8021	8/16/96	8/16/96	Benzene	0.70	.9	J	5	ug/l	on-site
MBLANKS	MBLANK 3011	Aqueous	8/16/96	8021	8/16/96	8/16/96	Trichloroethylene	5	.6	J	5	ug/l	on-site
MBLANKS	MBLANK 3011	Aqueous	8/16/96	8021	8/16/96	8/16/96	Toluene	5	1.3	J	5	ug/l	on-site
MBLANKS	MBLANK 3011	Aqueous	8/16/96	8021	8/16/96	8/16/96	Ethylbenzene	5	.9	J	5	ug/l	on-site
MBLANKS	MBLANK 3011	Aqueous	8/16/96	8021	8/16/96	8/16/96	o-Xylene	5	.9	J	5	ug/l	on-site
MBLANKS	MBLANK 3027	Aqueous	8/17/96	8021	8/17/96	8/17/96	Benzene	0.70	.8	J	5	ug/l	on-site
MBLANKS	MBLANK 3027	Aqueous	8/17/96	8021	8/17/96	8/17/96	o-Xylene	5	.7	J	5	ug/l	on-site
Bldg 3400	ABOWS3400	Aqueous	9/16/96	8021	9/25/96	9/25/96	Trichloroethylene	5	3.4	JB	5	ug/l	on-site
Bldg 3400	ABOWS3400	Aqueous	9/16/96	8021	9/25/96	9/25/96	Toluene	5	1.2	J	5	ug/l	on-site
Bldg 3400	ABOWS3400	Aqueous	9/16/96	8021	9/25/96	9/25/96	Ethylbenzene	5	0.9	J	5	ug/l	on-site
Bldg 3400	ABOWS3400	Aqueous	9/16/96	8021	9/25/96	9/25/96	o-Xylene	5	0.7	J	5	ug/l	on-site
MBLANKS	MBLANK 3044	Aqueous	9/17/96	8021	9/17/96	9/17/96	Benzene	0.70	.8	J	5	ug/l	on-site
MBLANKS	MBLANK 3044	Aqueous	9/17/96	8021	9/17/96	9/17/96	Ethylbenzene	5	.7		5	ug/l	on-site
MBLANKS	MBLANK 3044	Aqueous	9/17/96	8021	9/17/96	9/17/96	m,p-Xylene	5	.8		5	ug/l	on-site
MBLANKS	MBLANK 3044	Aqueous	9/17/96	8021	9/17/96	9/17/96	o-Xylene	5	.7	J	5	ug/l	on-site

J = estimated value below practical quantitation limit and above method detection limit
D = sample was diluted, see corresponding detection limit
B = analyte was detected in an associated blank as well as in the sample

BLANK MATRIX 3
METHOD BLANK RESULTS SUMMARY

Blank Matrix 3 - Method Blank Results Summary

Lab File Reference	Matrix	Associated Sample(s) Date	Purpose	Volatile Analysis Date	Semivolatile Extraction Date	Semivolatile Analysis Date	MTBE	Benzene	Trichloroethylene	Toluene	Ethylbenzene	M,p-Xylene	O-Xylene	Xylenes, total	Naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(e)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
PID0053	Aqueous	09-Dec-95	Method Blank	09-Dec-95			-	-	-	-	-	-	-																	
GCM0167	Aqueous	10-Dec-95	Method Blank		10-Dec-95	10-Dec-95									-	-	-	-	-	-	-	J	-	J	-	J	J	J	J
GCM0194	Soil/Solid	10-Dec-95	Method Blank		10-Dec-95	12-Dec-95									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID0067	Aqueous	10-Dec-95	Method Blank	10-Dec-95			-	J	-	+	-	-	-																	
PID0069	Aqueous	10-Dec-95	Method Blank	10-Dec-95			-	-	-	-	-	-	-																	
PID0076	Aqueous	10-Dec-95	Method Blank	10-Dec-95			-	-	-	-	-	-	-																	
PID0086	Aqueous	10-Dec-95	Method Blank	10-Dec-95			-	-	-	-	-	-	-																	
PID0095	Aqueous	11-Dec-95	Method Blank	11-Dec-95			-	-	-	-	-	-	-																	
PID0115	Aqueous	12-Dec-95	Method Blank	12-Dec-95			-	-	-	-	-	-	-																	
PID0136	Aqueous	13-Dec-95	Method Blank	13-Dec-95			-	-	-	-	-	-	-																	
GCM0244	Soil/Solid	14-Dec-95	Method Blank		14-Dec-95	16-Dec-95									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID0160	Aqueous	14-Dec-95	Method Blank	14-Dec-95			-	-	-	-	-	-	-																	
PID0163	Aqueous	14-Dec-95	Method Blank	14-Dec-95			-	-	-	-	-	-	-																	
PID0165	Aqueous	14-Dec-95	Method Blank	14-Dec-95			J	+	-	+	+	+	+																	
PID0168	Aqueous	14-Dec-95	Method Blank	14-Dec-95			-	J	-	+	+	+	+																	
PID0186	Aqueous	15-Dec-95	Method Blank	15-Dec-96			-	-	-	-	-	-	-																	
PID0212	Aqueous	16-Dec-95	Method Blank	16-Dec-95			-	-	-	-	-	-	-																	
PID0224	Aqueous	18-Dec-95	Method Blank	18-Dec-95			-	-	-	-	-	-	-																	
PID0247	Aqueous	18-Dec-95	Method Blank	18-Dec-95			-	-	-	-	-	-	-																	
GCM0304	Soil/Solid	19-Dec-95	Method Blank		19-Dec-95	19-Dec-95									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID0251	Aqueous	19-Dec-95	Method Blank	19-Dec-95			-	-	-	-	-	-	-																	
PID0264	Aqueous	20-Dec-95	Method Blank	20-Dec-95			-	-	-	-		-	-																	
PID0273	Aqueous	21-Dec-95	Method Blank	21-Dec-95			-	-	-	-	-	-	-																	
PID0304	Aqueous	04-Jan-96	Method Blank	04-Jan-96			-	-	-	-	-	-	-																	
PID0325	Aqueous	05-Jan-96	Method Blank	05-Jan-96			+	+	-	+	J	+	+																	
PID0335	Aqueous	06-Jan-96	Method Blank	06-Jan-96			-	-	-	-	-	-	-																	
PID0345	Aqueous	06-Jan-96	Method Blank	06-Jan-96			-	-	-	-	-	-	-																	
PID0359	Aqueous	09-Jan-96	Method Blank	09-Jan-96			-	-	-	+	-	+	J																	
PID0366	Aqueous	09-Jan-96	Method Blank	09-Jan-96			-	-	-	-	-	-	-																	
PID0369	Aqueous	10-Jan-96	Method Blank	10-Jan-96			-	-	-	-	-	-	-																	
PID0373	Aqueous	10-Jan-96	Method Blank	10-Jan-96			-	-	-	-	-	-	-																	
PID0404	Aqueous	18-Jan-96	Method Blank	18-Jan-96			-	-	-	-	-	-	-																	
PID0408	Aqueous	18-Jan-96	Method Blank	18-Jan-96			-	-	-	-	-	-	-																	
PID0413	Aqueous	19-Jan-96	Method Blank	19-Jan-96			-	-	-	-	-	-	-																	
PID0420	Aqueous	19-Jan-96	Method Blank	19-Jan-96			-	-	-	-	-	-	-																	
PID0435	Aqueous	23-Jan-96	Method Blank	23-Jan-96			-	-	-	-	-	-	-																	
PID0449	Aqueous	25-Jan-96	Method Blank	25-Jan-96			-	-	-	-	-	-	-																	
GCM0471	Soil/Solid	26-Jan-96	Method Blank		26-Jan-96	29-Jan-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID0500	Aqueous	31-Jan-96	Method Blank	31-Jan-96			-	-	-	-	-	-	-																	
GCM0500	Soil/Solid	01-Feb-96	Method Blank		01-Feb-96	01-Feb-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID0516	Aqueous	03-Feb-96	Method Blank	03-Feb-96			-	-	J	-	J	-	J																	
PID0526	Aqueous	03-Feb-96	Method Blank	03-Feb-96			-	-	+	-	-	-	-																	
PID0530	Aqueous	05-Feb-96	Method Blank	05-Feb-96			J	-	J	-	-	-	J																	
PID0536	Aqueous	05-Feb-96	Method Blank	05-Feb-96			-	-	+	-	-	-	-																	
PID0548	Aqueous	06-Feb-96	Method Blank	06-Feb-96			-	-	+	-	-	-	-																	

Key blank = not analyzed, (-) = not detected, (J) = detected, below PQL, (+) = detected at or abve PQL

Blank Matrix 3 - Method Blank Results Summary

Lab File Reference	Matrix	Associated Sample(s) Date	Purpose	Volatile Analysis Date	Semivolatile Extraction Date	Semivolatile Analysis Date	MTBE	Benzene	Trichloroethylene	Toluene	Ethylbenzene	M,p-Xylene	O-Xylene	Xylenes, total	Naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
GCM0594	Soil/Solid	20-Feb-96	Method Blank		20-Feb-96	20-Feb-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM0706	Soil/Solid	21-Feb-96	Method Blank		21-Feb-96	26-Feb-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID0675	Aqueous	22-Feb-96	Method Blank	22-Feb-96			-	-	-	-	-	-	-																
GCM0817	Soil/Solid	23-Feb-96	Method Blank		23-Feb-96	02-Mar-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM0874	Soil/Solid	26-Feb-96	Method Blank		26-Feb-96	04-Mar-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID0759	Aqueous	26-Feb-96	Method Blank	26-Feb-96			J	-	-	-	-	-	-																
PID0777	Aqueous	27-Feb-96	Method Blank	27-Feb-96			-	-	-	-	-	-	-																
PID0783	Aqueous	27-Feb-96	Method Blank	27-Feb-96			-	-	-	-	-	-	-																
PID0796	Aqueous	27-Feb-96	Method Blank	27-Feb-96			-	-	-	-	-	-	-																
GCM0886	Soil/Solid	28-Feb-96	Method Blank		28-Feb-96	05-Mar-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID0810	Aqueous	28-Feb-96	Method Blank	28-Feb-96			-	-	-	-	-	-	-																
PID0823	Aqueous	28-Feb-96	Method Blank	28-Feb-96			-	-	-	-	-	-	-																
GCM0969	Soil/Solid	29-Feb-96	Method Blank		29-Feb-96	08-Mar-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM0959	Soil/Solid	04-Mar-96	Method Blank		04-Mar-96	07-Mar-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM1389	Soil/Solid	05-Mar-96	Method Blank		05-Mar-96	28-Mar-96									-	+	+	+	+	+	+	+	+	+	+	+	+	-	+
PID0996	Aqueous	05-Mar-96	Method Blank	05-Mar-96			-	-	-	-	-	-	-																
PID1006	Aqueous	05-Mar-96	Method Blank	05-Mar-96			-	J	-	-	-	-	-																
PID1008	Aqueous	05-Mar-96	Method Blank	05-Mar-96			-	-	-	-	-	-	-																
PID1022	Aqueous	05-Mar-96	Method Blank	05-Mar-96			-	-	-	-	-	-	-																
PID1035	Aqueous	06-Mar-96	Method Blank	06-Mar-96			-	J	-	-	-	-	-																
PID1058	Aqueous	06-Mar-96	Method Blank	06-Mar-96			-	-	-	-	-	-	-																
GCM1214	Soil/Solid	08-Mar-96	Method Blank		08-Mar-96	21-Mar-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM1238	Soil/Solid	10-Mar-96	Method Blank		10-Mar-96	21-Mar-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM1272	Soil/Solid	11-Mar-96	Method Blank		11-Mar-96	23-Mar-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM1074	Soil/Solid	12-Mar-96	Method Blank		12-Mar-96	16-Mar-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM1126	Soil/Solid	14-Mar-96	Method Blank		14-Mar-96	18-Mar-96									-	-	-	+	+	+	+	-	+	+	+	+	-	-	-
GCM1288	Soil/Solid	15-Mar-96	Method Blank		15-Mar-96	23-Mar-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID1320	Aqueous	15-Mar-96	Method Blank	15-Mar-96			-	-	-	-	-	-	-																
GCM1321	Soil/Solid	16-Mar-96	Method Blank		16-Mar-96	25-Mar-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM1425	Soil/Solid	16-Mar-96	Method Blank		16-Mar-96	29-Mar-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM1631	Soil/Solid	16-Mar-96	Method Blank		16-Mar-96	16-Apr-96									-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
GCM1336	Soil/Solid	17-Mar-96	Method Blank		17-Mar-96	25-Mar-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM1349	Soil/Solid	17-Mar-96	Method Blank		17-Mar-96	26-Mar-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM1390	Soil/Solid	19-Mar-96	Method Blank		19-Mar-96	28-Mar-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID1408	Aqueous	19-Mar-96	Method Blank	19-Mar-96			-	-	-	-	-	-	-																
GCM1260	Aqueous	21-Mar-96	Method Blank		21-Mar-96	22-Mar-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID1521	Aqueous	25-Mar-96	Method Blank	25-Mar-96			+	-	-	+	+	+	+																
PID1552	Aqueous	27-Mar-96	Method Blank	27-Mar-96			-	-	-	-	-	-	-																
GCM1456	Soil/Solid	01-Apr-96	Method Blank		01-Apr-96	02-Apr-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM1575	Aqueous	08-Apr-96	Method Blank		08-Apr-96	10-Apr-96									-	-	-	-	-	-	-	-	-	-	J	-	-	-	-
PID1623	Aqueous	09-Apr-96	Method Blank	09-Apr-96			J	J	J	+	J	J	J																
GCM1585	Soil/Solid	10-Apr-96	Method Blank		10-Apr-96	11-Apr-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID1635	Aqueous	10-Apr-96	Method Blank	10-Apr-96			-	-	J	J	-	-	-																
PID1647	Aqueous	10-Apr-96	Method Blank	10-Apr-96			-	-	J	-	-	-	-																
PID1666	Aqueous	11-Apr-96	Method Blank	11-Apr-96			-	-	J	-	-	-	-																

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Blank Matrix 3 - Method Blank Results Summary

Lab File Reference	Matrix	Associated Sample(s) Date	Purpose	Volatile Analysis Date	Semivolatile Extraction Date	Semivolatile Analysis Date	MTBE	Benzene	Trichloroethylene	Toluene	Ethylbenzene	M,p-Xylene	O-Xylene	Xylenes, total	Naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
PID1679	Aqueous	12-Apr-96	Method Blank	12-Apr-96			-	-	-	-	-	-	-																	
PID1692	Aqueous	12-Apr-96	Method Blank	12-Apr-96			-	-	-	J	-	-	-																	
GCM1654	Soil/Solid	15-Apr-96	Method Blank		15-Apr-96	18-Apr-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID1699	Aqueous	16-Apr-96	Method Blank	16-Apr-96			-	-	-	J	-	-	J																	
PID1708	Aqueous	16-Apr-96	Method Blank	16-Apr-96			-	-	-	-	-	-	-																	
PID1714	Aqueous	16-Apr-96	Method Blank	16-Apr-96			-	-	J	J	-	-	-																	
GCM1671	Soil/Solid	17-Apr-96	Method Blank		17-Apr-96	18-Apr-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID1724	Aqueous	17-Apr-96	Method Blank	17-Apr-96			-	-	-	-	-	-	-																	
PID1727	Aqueous	17-Apr-96	Method Blank	17-Apr-96			-	-	J	-	-	-	-																	
PID1740	Aqueous	17-Apr-96	Method Blank	17-Apr-96			-	-	-	-	-	-	-																	
GCM1674	Aqueous	18-Apr-96	Method Blank		18-Apr-96	19-Apr-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID1751	Aqueous	18-Apr-96	Method Blank	18-Apr-96			-	-	-	-	-	-	-																	
GCM1749	Soil/Solid	24-Apr-96	Method Blank		24-Apr-96	29-Apr-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID1785	Aqueous	24-Apr-96	Method Blank	24-Apr-96			-	-	J	J	-	-	-																	
PID1796	Aqueous	24-Apr-96	Method Blank	24-Apr-96			-	-	-	-	-	-	-																	
PID1801	Aqueous	25-Apr-96	Method Blank	25-Apr-96			-	-	J	J	-	-	J																	
PID1813	Aqueous	26-Apr-96	Method Blank	26-Apr-96			-	-	-	-	-	-	-																	
GCM1780	Aqueous	29-Apr-96	Method Blank		29-Apr-96	01-May-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM1805	Soil/Solid	01-May-96	Method Blank		01-May-96	02-May-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID1821	Aqueous	01-May-96	Method Blank	01-May-96			-	-	-	J	-	-	-																	
PID1831	Aqueous	03-May-96	Method Blank	03-May-96			-	-	-	-	-	-	-																	
GCM1854	Soil/Solid	06-May-96	Method Blank		06-May-96	07-May-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID1842	Aqueous	06-May-96	Method Blank	06-May-96			-	-	J	J	-	-	-																	
PID1845	Aqueous	06-May-96	Method Blank	06-May-96			-	-	-	J	-	-	-																	
PID1858	Aqueous	07-May-96	Method Blank	07-May-96			-	-	-	-	-	-	-																	
PID1868	Aqueous	07-May-96	Method Blank	07-May-96			-	-	-	-	-	-	-																	
GCM1935	Aqueous	08-May-96	Method Blank		08-May-96	18-May-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM1939	Soil/Solid	08-May-96	Method Blank		08-May-96	18-May-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM1947	Soil/Solid	14-May-96	Method Blank		14-May-96	18-May-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID1875	Aqueous	14-May-96	Method Blank	14-May-96			-	J	J	J	J	-	J																	
GCM1932	Soil/Solid	16-May-96	Method Blank		16-May-96	17-May-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM1957	Soil/Solid	16-May-96	Method Blank		16-May-96	18-May-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM1974	Soil/Solid	16-May-96	Method Blank		16-May-96	21-May-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID1921	Aqueous	16-May-96	Method Blank	16-May-96			-	-	J	J	J	-	J																	
GCM2007	Aqueous	17-May-96	Method Blank		17-May-96	22-May-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID1937	Aqueous	17-May-96	Method Blank	17-May-96			-	-	-	J	-	-	-																	
GCM2010	Aqueous	21-May-96	Method Blank		21-May-96	22-May-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID1952	Aqueous	21-May-96	Method Blank	21-May-96			-	-	-	-	-	-	-																	
PID1961	Aqueous	22-May-96	Method Blank	22-May-96			-	-	J	J	J	-	-																	
PID1982	Aqueous	23-May-96	Method Blank	23-May-96			-	-	J	J	-	-	-																	
PID1985	Aqueous	23-May-96	Method Blank	23-May-96			-	-	J	J	J	-	J																	
GCM2035	Soil/Solid	28-May-96	Method Blank		28-May-96	28-May-96								-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-
GCM2045	Aqueous	28-May-96	Method Blank		28-May-96	29-May-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM2060	Soil/Solid	30-May-96	Method Blank		30-May-96	30-May-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID2043	Aqueous	30-May-96	Method Blank	30-May-96			-	-	J	-	-	-	-																	

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Blank Matrix 3 - Method Blank Results Summary

Lab File Reference	Matrix	Associated Sample(s) Date	Purpose	Volatile Analysis Date	Semivolatile Extraction Date	Semivolatile Analysis Date	MTBE	Benzene	Trichloroethylene	Toluene	Ethylbenzene	M,p-Xylene	O-Xylene	Xylenes, total	Naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
GCM2097	Soil/Solid	31-May-96	Method Blank		31-May-96	04-Jun-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID2054	Aqueous	31-May-96	Method Blank	31-May-96			-	-	J	-	-	-	-																
PID2065	Aqueous	31-May-96	Method Blank	31-May-96			-	-	J	-	-	-	-																
PID2074	Aqueous	03-Jun-96	Method Blank	03-Jun-96			-	J	J	J	J	J	J																
PID2076	Aqueous	03-Jun-96	Method Blank	03-Jun-96			-	J	J	J	J	-	J																
PID2083	Aqueous	03-Jun-96	Method Blank	03-Jun-96			-	-	-	-	-	-	-																
GCM2109	Aqueous	04-Jun-96	Method Blank		04-Jun-96	04-Jun-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID2085	Aqueous	04-Jun-96	Method Blank	04-Jun-96			-	-	-	-	-	-	-																
GCM2138	Aqueous	06-Jun-96	Method Blank		06-Jun-96	06-Jun-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM2175	Soil/Solid	07-Jun-96	Method Blank		07-Jun-96	08-Jun-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID2155	Aqueous	08-Jun-96	Method Blank	08-Jun-96			-	-	-	-	J	J	J																
PID2163	Aqueous	09-Jun-96	Method Blank	09-Jun-96			-	-	-	-	J	-	-																
GCM2223	Soil/Solid	11-Jun-96	Method Blank		11-Jun-96	12-Jun-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID2203	Aqueous	11-Jun-96	Method Blank	11-Jun-96			-	-	J	-	-	-	-																
PID2215	Aqueous	11-Jun-96	Method Blank	11-Jun-96			-	-	J	-	J	+	J																
PID2233	Aqueous	12-Jun-96	Method Blank	12-Jun-96			-	-	J	-	-	-	J																
GCM2262	Soil/Solid	13-Jun-96	Method Blank		13-Jun-96	14-Jun-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM2276	Aqueous	13-Jun-96	Method Blank		13-Jun-96	17-Jun-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID2241	Aqueous	13-Jun-96	Method Blank	13-Jun-96			-	-	-	-	J	-	J																
PID2263	Aqueous	14-Jun-96	Method Blank	14-Jun-96			-	-	-	-	-	-	-																
PID2274	Aqueous	14-Jun-96	Method Blank	14-Jun-96			-	-	-	-	-	-	-																
PID2279	Aqueous	17-Jun-96	Method Blank	17-Jun-96			-	J	J	J	J	J	J																
PID2293	Aqueous	17-Jun-96	Method Blank	17-Jun-96			-	-	J	-	-	-	-																
PID2306	Aqueous	18-Jun-96	Method Blank	18-Jun-96			-	-	-	-	-	-	-																
PID2317	Aqueous	19-Jun-96	Method Blank	19-Jun-96			-	-	J	-	J	J	J																
PID2340	Aqueous	19-Jun-96	Method Blank	19-Jun-96			-	-	-	-	-	-	-																
GCM2386	Soil/Solid	20-Jun-96	Method Blank		20-Jun-96	26-Jun-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID2374	Aqueous	22-Jun-96	Method Blank	22-Jun-96			-	-	J	-	-	-	-																
PID2384	Aqueous	22-Jun-96	Method Blank	22-Jun-96			-	-	-	-	-	-	-																
PID2396	Aqueous	23-Jun-96	Method Blank	23-Jun-96			-	-	J	-	-	-	-																
PID2406	Aqueous	23-Jun-96	Method Blank	23-Jun-96			-	J	J	-	-	-	-																
PID2418	Aqueous	24-Jun-96	Method Blank	24-Jun-96			-	J	J	J	J	-	J																
PID2421	Aqueous	24-Jun-96	Method Blank	24-Jun-96			-	-	J	J	J	+	J																
GCM2399	Aqueous	25-Jun-96	Method Blank		25-Jun-96	27-Jun-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID2435	Aqueous	25-Jun-96	Method Blank	25-Jun-96			-	-	-	-	-	-	-																
PID2445	Aqueous	25-Jun-96	Method Blank	25-Jun-96			-	-	J	-	-	-	-																
GCM2391	Aqueous	26-Jun-96	Method Blank		26-Jun-96	26-Jun-96								-	-	J	J	J	J	J	J	J	J	J	J	J	J	J	J
GCM2392	Soil/Solid	26-Jun-96	Method Blank		26-Jun-96	26-Jun-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID2457	Aqueous	26-Jun-96	Method Blank	26-Jun-96			-	-	-	-	J	-	J																
PID2466	Aqueous	26-Jun-96	Method Blank	26-Jun-96			-	-	-	-	-	-	-																
PID2481	Aqueous	27-Jun-96	Method Blank	27-Jun-96			-	-	+	+	+	+	+																
PID2487	Aqueous	27-Jun-96	Method Blank	27-Jun-96			-	-	J	-	-	+	+																
PID2489	Aqueous	27-Jun-96	Method Blank	27-Jun-96			-	-	J	-	-	-	-																
GCM2426	Aqueous	28-Jun-96	Method Blank		28-Jun-96	01-Jul-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID2497	Aqueous	28-Jun-96	Method Blank	28-Jun-96			-	-	-	J	+	+	+																

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Blank Matrix 3 - Method Blank Results Summary

Lab File Reference	Matrix	Associated Sample(s) Date	Purpose	Volatile Analysis Date	Semivolatile Extraction Date	Semivolatile Analysis Date	MTBE	Benzene	Trichloroethylene	Toluene	Ethylbenzene	M,p-Xylene	O-Xylene	Xylenes, total	Naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
PID2504	Aqueous	28-Jun-96	Method Blank	28-Jun-96			-	J	J	-	-	-	J																	
PID2515	Aqueous	28-Jun-96	Method Blank	28-Jun-96			-	J	J	-	-	-	-																	
GCM2438	Soil/Solid	02-Jul-96	Method Blank		02-Jul-96	02-Jul-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM2491	Soil/Solid	09-Jul-96	Method Blank		09-Jul-96	09-Jul-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM2495	Soil/Solid	09-Jul-96	Method Blank		09-Jul-96	10-Jul-96									-	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID2535	Aqueous	09-Jul-96	Method Blank	09-Jul-96			-	J	-	-	J	-	J																	
PID2549	Aqueous	10-Jul-96	Method Blank	10-Jul-96			-	J	-	-	-	-	-																	
PID2560	Aqueous	10-Jul-96	Method Blank	10-Jul-96			-	J	J	-	-	-	-																	
GCM2539	Soil/Solid	11-Jul-96	Method Blank		11-Jul-96	11-Jul-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM2557	Soil/Solid	11-Jul-96	Method Blank		11-Jul-96	12-Jul-96									-	J	-	-	-	-	-	-	J	-	-	-	-	-	-	-
PID2572	Aqueous	11-Jul-96	Method Blank	11-Jul-96			-	J	J	-	-	-	-																	
GCM2661	Aqueous	18-Jul-96	Method Blank		18-Jul-96	22-Jul-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM2664	Aqueous	18-Jul-96	Method Blank		18-Jul-96	22-Jul-96									-	J	-	-	-	-	-	-	J	-	-	-	-	-	-	-
PID2641	Aqueous	18-Jul-96	Method Blank	18-Jul-96			J	J	-	-	-	-	J																	
PID2651	Aqueous	18-Jul-96	Method Blank	18-Jul-96			-	J	-	-	-	-	-																	
PID2667	Aqueous	19-Jul-96	Method Blank	19-Jul-96			-	J	-	-	-	-	-																	
PID2674	Aqueous	19-Jul-96	Method Blank	19-Jul-96			-	J	-	-	-	-	-																	
GCM2677	Aqueous	22-Jul-96	Method Blank		22-Jul-96	23-Jul-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM2709	Soil/Solid	22-Jul-96	Method Blank		22-Jul-96	24-Jul-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID2694	Aqueous	22-Jul-96	Method Blank	22-Jul-96			-	+	+	+	+	+	+																	
PID2701	Aqueous	22-Jul-96	Method Blank	22-Jul-96			-	J	-	-	-	-	-																	
GCM2721	Soil/Solid	23-Jul-96	Method Blank		23-Jul-96	25-Jul-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID2713	Aqueous	23-Jul-96	Method Blank	23-Jul-96			-	-	-	-	-	-	-																	
GCM2733	Aqueous	24-Jul-96	Method Blank		24-Jul-96	25-Jul-96									J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM2763	Aqueous	25-Jul-96	Method Blank		25-Jul-96	29-Jul-96									J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID2768	Aqueous	25-Jul-96	Method Blank	25-Jul-96			-	-	-	-	-	-	J																	
PID2780	Aqueous	25-Jul-96	Method Blank	25-Jul-96			-	J	J	J	J	-	J																	
GCM2748	Aqueous	26-Jul-96	Method Blank		26-Jul-96	27-Jul-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM2781	Soil/Solid	26-Jul-96	Method Blank		26-Jul-96	29-Jul-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM2878	Soil/Solid	26-Jul-96	Method Blank		26-Jul-96	13-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID2788	Aqueous	26-Jul-96	Method Blank	26-Jul-96			-	-	-	-	-	-	J																	
PID2794	Aqueous	26-Jul-96	Method Blank	26-Jul-96			-	-	-	-	-	-	-																	
PID2809	Aqueous	27-Jul-96	Method Blank	27-Jul-96			-	-	-	-	-	-	-																	
PID2820	Aqueous	27-Jul-96	Method Blank	27-Jul-96			-	-	-	-	-	-	J																	
GCM2888	Aqueous	29-Jul-96	Method Blank		29-Jul-96	13-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID2826	Aqueous	29-Jul-96	Method Blank	29-Jul-96			-	-	-	-	J	-	J																	
PID2837	Aqueous	29-Jul-96	Method Blank	29-Jul-96			-	-	-	-	-	-	-																	
PID2850	Aqueous	30-Jul-96	Method Blank	30-Jul-96			-	-	-	-	-	-	-																	
GCM2917	Aqueous	31-Jul-96	Method Blank		31-Jul-96	15-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID2867	Aqueous	01-Aug-96	Method Blank	01-Aug-96			-	-	-	-	-	-	J																	
PID2879	Aqueous	01-Aug-96	Method Blank	01-Aug-96			-	-	-	-	-	-	-																	
GCM2938	Aqueous	02-Aug-96	Method Blank		02-Aug-96	15-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM2950	Soil/Solid	05-Aug-96	Method Blank		05-Aug-96	16-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM2974	Aqueous	06-Aug-96	Method Blank		06-Aug-96	17-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM3012	Soil/Solid	06-Aug-96	Method Blank		06-Aug-96	19-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Blank Matrix 3 - Method Blank Results Summary

Lab File Reference	Matrix	Associated Sample(s) Date	Purpose	Volatile Analysis Date	Semivolatile Extraction Date	Semivolatile Analysis Date	MTBE	Benzene	Trichloroethylene	Toluene	Ethylbenzene	M,p-Xylene	O-Xylene	Xylenes, total	Naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
GCM2975	Aqueous	07-Aug-96	Method Blank		07-Aug-96	17-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM2976	Aqueous	08-Aug-96	Method Blank		08-Aug-96	17-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM2977	Aqueous	09-Aug-96	Method Blank		09-Aug-96	18-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM3021	Aqueous	09-Aug-96	Method Blank		09-Aug-96	19-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM3020	Soil/Solid	12-Aug-96	Method Blank		12-Aug-96	19-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM3050	Soil/Solid	13-Aug-96	Method Blank		13-Aug-96	20-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID2954	Aqueous	13-Aug-96	Method Blank	13-Aug-96			-	-	-	J	J	-	J																
GCM3025	Aqueous	14-Aug-96	Method Blank		14-Aug-96	19-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM3035	Aqueous	14-Aug-96	Method Blank		14-Aug-96	20-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID2965	Aqueous	14-Aug-96	Method Blank	14-Aug-96			J	-	-	J	-	-	J																
GCM3074	Soil/Solid	15-Aug-96	Method Blank		15-Aug-96	21-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID2989	Aqueous	15-Aug-96	Method Blank	15-Aug-96			J	-	-	J	-	-	J																
PID2999	Aqueous	15-Aug-96	Method Blank	15-Aug-96			-	J	J	-	-	-	-																
PID3007	Aqueous	16-Aug-96	Method Blank	16-Aug-96			J	J	-	J	J	-	J																
PID3009	Aqueous	16-Aug-96	Method Blank	16-Aug-96			J	-	-	J	-	-	-																
PID3011	Aqueous	16-Aug-96	Method Blank	16-Aug-96			J	J	+	J	J	-	J																
PID3015	Aqueous	16-Aug-96	Method Blank	16-Aug-96			-	-	-	-	-	-	-																
PID3023	Aqueous	16-Aug-96	Method Blank	16-Aug-96			-	J	+	J	J	-	J																
PID3027	Aqueous	17-Aug-96	Method Blank	17-Aug-96			-	J	-	-	-	-	J																
PID3029	Aqueous	17-Aug-96	Method Blank	17-Aug-96			-	-	-	-	-	-	-																
PID3031	Aqueous	17-Aug-96	Method Blank	17-Aug-96			-	J	-	J	J	-	J																
PID3041	Aqueous	18-Aug-96	Method Blank	18-Aug-96			-	-	-	-	-	-	J																
PID3044	Aqueous	18-Aug-96	Method Blank	18-Aug-96			-	-	-	-	-	-	-																
PID3055	Aqueous	18-Aug-96	Method Blank	18-Aug-96			-	-	-	-	-	-	J																
GCM3083	Soil/Solid	19-Aug-96	Method Blank		19-Aug-96	21-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID3067	Aqueous	19-Aug-96	Method Blank	19-Aug-96			-	-	-	-	-	-	-																
GCM3096	Soil/Solid	20-Aug-96	Method Blank		20-Aug-96	22-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID3084	Aqueous	20-Aug-96	Method Blank	20-Aug-96			-	-	-	-	-	-	-																
PID3090	Aqueous	20-Aug-96	Method Blank	20-Aug-96			-	-	-	-	-	-	-																
PID3100	Aqueous	20-Aug-96	Method Blank	20-Aug-96			-	-	+	-	J	-	J																
GCM3103	Soil/Solid	21-Aug-96	Method Blank		21-Aug-96	22-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID3102	Aqueous	21-Aug-96	Method Blank	21-Aug-96			-	-	-	-	-	-	-																
PID3113	Aqueous	21-Aug-96	Method Blank	21-Aug-96			-	-	-	-	-	-	-																
PID3117	Aqueous	21-Aug-96	Method Blank	21-Aug-96			-	-	-	-	-	-	-																
GCM3121	Soil/Solid	22-Aug-96	Method Blank		22-Aug-96	23-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM3127	Aqueous	22-Aug-96	Method Blank		22-Aug-96	23-Aug-96									J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID3126	Aqueous	22-Aug-96	Method Blank	22-Aug-96			-	-	-	-	-	-	-																
PID3138	Aqueous	22-Aug-96	Method Blank	22-Aug-96			-	-	-	-	-	-	-																
GCM3134	Soil/Solid	23-Aug-96	Method Blank		23-Aug-96	26-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID3144	Aqueous	23-Aug-96	Method Blank	23-Aug-96			-	-	-	-	-	-	-																
PID3149	Aqueous	23-Aug-96	Method Blank	23-Aug-96			-	-	-	-	-	-	-																
PID3157	Aqueous	23-Aug-96	Method Blank	23-Aug-96			-	-	-	-	-	-	-																
GCM3167	Soil/Solid	26-Aug-96	Method Blank		26-Aug-96	27-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID3169	Aqueous	26-Aug-96	Method Blank	26-Aug-96			-	-	-	-	-	-	-																
GCM3127	Soil/Solid	27-Aug-96	Method Blank		27-Aug-96	27-Aug-96									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Blank Matrix 3 - Method Blank Results Summary

Lab File Reference	Matrix	Associated Sample(s) Date	Purpose	Volatile Analysis Date	Semivolatile Extraction Date	Semivolatile Analysis Date	MTBE	Benzene	Trichloroethylene	Toluene	Ethylbenzene	M,p-Xylene	O-Xylene	Xylenes, total	Naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
PID3171	Aqueous	27-Aug-96	Method Blank	27-Aug-96			-	-	-	-	-	-	-																	
PID3177	Aqueous	27-Aug-96	Method Blank	27-Aug-96			-	-	-	-	-	-	-																	
PID3180	Aqueous	27-Aug-96	Method Blank	27-Aug-96			-	-	-	-	-	-	-																	
PID3190	Aqueous	27-Aug-96	Method Blank	27-Aug-96			-	-	-	-	-	-	-																	
GCM3204	Aqueous	28-Aug-96	Method Blank		28-Aug-96	08-Sep-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM3263	Soil/Solid	05-Sep-96	Method Blank		05-Sep-96	11-Sep-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID3234	Aqueous	05-Sep-96	Method Blank	05-Sep-96			-	-	-	-	-	-	-																	
GCM3264	Soil/Solid	06-Sep-96	Method Blank		06-Sep-96	11-Sep-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID3260	Aqueous	06-Sep-96	Method Blank	06-Sep-96			-	-	-	-	-	-	-																	
GCM3284	Soil/Solid	07-Sep-96	Method Blank		07-Sep-96	12-Sep-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID3275	Aqueous	07-Sep-96	Method Blank	07-Sep-96			-	-	-	-	-	-	-																	
GCM3321	Soil/Solid	08-Sep-96	Method Blank		08-Sep-96	13-Sep-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID3285	Aqueous	08-Sep-96	Method Blank	08-Sep-96			-	-	-	-	-	-	-																	
GCM3331	Soil/Solid	09-Sep-96	Method Blank		09-Sep-96	14-Sep-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM3350	Soil/Solid	10-Sep-96	Method Blank		10-Sep-96	15-Sep-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID3319	Aqueous	10-Sep-96	Method Blank	10-Sep-96			-	-	-	-	-	-	-																	
GCM3372	Soil/Solid	11-Sep-96	Method Blank		11-Sep-96	16-Sep-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM3386	Soil/Solid	12-Sep-96	Method Blank		12-Sep-96	17-Sep-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GCM3396	Soil/Solid	16-Sep-96	Method Blank		16-Sep-96	18-Sep-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID3413	Aqueous	16-Sep-96	Method Blank	16-Sep-96			-	-	-	-	-	-	-																	
PID3438	Aqueous	16-Sep-96	Method Blank	16-Sep-96			-	-	-	-	-	-	-																	
PID3450	Aqueous	16-Sep-96	Method Blank	16-Sep-96			-	-	-	-	-	-	-																	
PID3452	Aqueous	17-Sep-96	Method Blank	17-Sep-96			-	-	-	-	-	-	-																	
PID3464	Aqueous	17-Sep-96	Method Blank	17-Sep-96			-	-	-	-	-	-	-																	
GCM3422	Soil/Solid	18-Sep-96	Method Blank		18-Sep-96	19-Sep-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID3476	Aqueous	18-Sep-96	Method Blank	18-Sep-96			-	-	-	-	-	-	-																	
PID3486	Aqueous	18-Sep-96	Method Blank	18-Sep-96			-	-	-	-	-	-	-																	
PID3498	Aqueous	18-Sep-96	Method Blank	18-Sep-96			-	-	-	-	-	-	-																	
GCM3442	Soil/Solid	19-Sep-96	Method Blank		19-Sep-96	20-Sep-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID3511	Aqueous	19-Sep-96	Method Blank	19-Sep-96			-	-	-	-	-	-	-																	
PID3523	Aqueous	19-Sep-96	Method Blank	19-Sep-96			-	-	-	-	-	-	-																	
PID3534	Aqueous	20-Sep-96	Method Blank	20-Sep-96			-	-	-	-	-	-	-																	
PID3537	Aqueous	20-Sep-96	Method Blank	20-Sep-96			-	-	-	-	-	-	-																	
PID3549	Aqueous	20-Sep-96	Method Blank	20-Sep-96			-	-	-	-	-	-	-																	
GCM3478	Soil/Solid	24-Sep-96	Method Blank		24-Sep-96	25-Sep-96								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PID3598	Aqueous	24-Sep-96	Method Blank	24-Sep-96			-	-	J	-	-	-	-																	
PID3610	Aqueous	25-Sep-96	Method Blank	25-Sep-96			-	-	-	-	-	-	-																	

Key blank = not analyzed, (-) = not detected, (J) = detected, below PQL, (+) = detected at or abve PQL

BLANK MATRIX 4
METHOD BLANKS - POSITIVE RESULTS

Blank Matrix 4 - Method Blanks - Positive Results

Lab File Reference	Matrix	Associated Sample Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units
PID0067	Aqueous	12/10/95	8021	12/10/95	12/10/95	Benzene	0.70	2.50	J	5	ug/l
PID0067	Aqueous	12/10/95	8021	12/10/95	12/10/95	Toluene	5	7.95		5	ug/l
GCM0167	Aqueous	12/10/95	8270	12/10/95	12/10/95	Benzo(a)anthracene	0.002	.33	J	5	ug/l
GCM0167	Aqueous	12/10/95	8270	12/10/95	12/10/95	Benzo(b)fluoranthene	0.002	.31	J	5	ug/l
GCM0167	Aqueous	12/10/95	8270	12/10/95	12/10/95	Benzo(a)pyrene	0.002	.29	J	5	ug/l
GCM0167	Aqueous	12/10/95	8270	12/10/95	12/10/95	Indeno(1,2,3-cd)pyrene	0.002	.93	J	5	ug/l
GCM0167	Aqueous	12/10/95	8270	12/10/95	12/10/95	Dibenz(a,h)anthracene	50	.84	J	5	ug/l
GCM0167	Aqueous	12/10/95	8270	12/10/95	12/10/95	Benzo(g,h,i)perylene	0.002	.61	J	5	ug/l
PID0165	Aqueous	12/14/95	8021	12/14/95	12/14/95	MTBE	50	13.62	J	40	ug/l
PID0168	Aqueous	12/14/95	8021	12/14/95	12/14/95	Benzene	0.70	2.90	J	5	ug/l
PID0165	Aqueous	12/14/95	8021	12/14/95	12/14/95	Benzene	0.70	6.95		5	ug/l
PID0165	Aqueous	12/14/95	8021	12/14/95	12/14/95	Toluene	5	15.52		5	ug/l
PID0168	Aqueous	12/14/95	8021	12/14/95	12/14/95	Toluene	5	8.38		5	ug/l
PID0165	Aqueous	12/14/95	8021	12/14/95	12/14/95	Ethylbenzene	5	21.52		5	ug/l
PID0168	Aqueous	12/14/95	8021	12/14/95	12/14/95	Ethylbenzene	5	9.95		5	ug/l
PID0168	Aqueous	12/14/95	8021	12/14/95	12/14/95	m,p-Xylene	5	35.80		5	ug/l
PID0165	Aqueous	12/14/95	8021	12/14/95	12/14/95	m,p-Xylene	5	78.93		5	ug/l
PID0168	Aqueous	12/14/95	8021	12/14/95	12/14/95	o-Xylene	5	15.23		5	ug/l
PID0165	Aqueous	12/14/95	8021	12/14/95	12/14/95	o-Xylene	5	33.24		5	ug/l
PID0325	Aqueous	1/5/96	8021	1/5/96	1/5/96	MTBE	50	54.45		40	ug/l
PID0325	Aqueous	1/5/96	8021	1/5/96	1/5/96	Benzene	0.70	6.58		5	ug/l
PID0325	Aqueous	1/5/96	8021	1/5/96	1/5/96	Toluene	5	23.41		5	ug/l
PID0325	Aqueous	1/5/96	8021	1/5/96	1/5/96	Ethylbenzene	5	4.58	J	5	ug/l
PID0325	Aqueous	1/5/96	8021	1/5/96	1/5/96	m,p-Xylene	5	28.17		5	ug/l
PID0325	Aqueous	1/5/96	8021	1/5/96	1/5/96	o-Xylene	5	14.75		5	ug/l
PID0359	Aqueous	1/9/96	8021	1/9/96	1/9/96	Toluene	5	6.27		5	ug/l
PID0359	Aqueous	1/9/96	8021	1/9/96	1/9/96	m,p-Xylene	5	7.74		5	ug/l
PID0359	Aqueous	1/9/96	8021	1/9/96	1/9/96	o-Xylene	5	4.38	J	5	ug/l
PID0516	Aqueous	2/3/96	8021	2/3/96	2/3/96	Trichloroethylene	5	1.11	J	5	ug/l
PID0526	Aqueous	2/3/96	8021	2/3/96	2/3/96	Trichloroethylene	5	ND		5	ug/l
PID0516	Aqueous	2/3/96	8021	2/3/96	2/3/96	Ethylbenzene	5	2.27	J	5	ug/l
PID0516	Aqueous	2/3/96	8021	2/3/96	2/3/96	o-Xylene	5	1.38	J	5	ug/l
PID0530	Aqueous	2/5/96	8021	2/5/96	2/5/96	MTBE	50	38.47	J	40	ug/l
PID0530	Aqueous	2/5/96	8021	2/5/96	2/5/96	Trichloroethylene	5	.61	J	5	ug/l
PID0536	Aqueous	2/5/96	8021	2/5/96	2/5/96	Trichloroethylene	5	ND		5	ug/l
PID0530	Aqueous	2/5/96	8021	2/5/96	2/5/96	o-Xylene	5	1.05	J	5	ug/l
PID0548	Aqueous	2/6/96	8021	2/6/96	2/6/96	Trichloroethylene	5	ND		5	ug/l
PID0759	Aqueous	2/26/96	8021	2/26/96	2/26/96	MTBE	50	13.07	J	40	ug/l
PID1006	Aqueous	3/5/96	8021	3/5/96	3/5/96	Benzene	0.70	2.19	J	5	ug/l
GCM1389	Soil/Solid	3/5/96	8270	3/5/96	3/28/96	Acenaphthene	400	80.00	J	333	ng/g
GCM1389	Soil/Solid	3/5/96	8270	3/5/96	3/28/96	Fluorene	1000	86.67	J	333	ng/g
GCM1389	Soil/Solid	3/5/96	8270	3/5/96	3/28/96	Phenanthrene	1000	160.00	J	333	ng/g

J = estimated value below practical quantitation limit and above method detection limit
D = sample was diluted, see corresponding detection limit
B = analyte was detected in an associated blank as well as in the sample

Lab File Reference	Matrix	Associated Sample Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units
GCM1389	Soil/Solid	3/5/96	8270	3/5/96	3/28/96	Anthracene	1000	113.33	J	333	ng/g
GCM1389	Soil/Solid	3/5/96	8270	3/5/96	3/28/96	Fluoranthene	1000	120.00	J	333	ng/g
GCM1389	Soil/Solid	3/5/96	8270	3/5/96	3/28/96	Pyrene	1000	106.67	J	333	ng/g
GCM1389	Soil/Solid	3/5/96	8270	3/5/96	3/28/96	Benzo(a)anthracene	0.04	80.00	J	333	ng/g
GCM1389	Soil/Solid	3/5/96	8270	3/5/96	3/28/96	Chrysene	0.04	73.33	J	333	ng/g
GCM1389	Soil/Solid	3/5/96	8270	3/5/96	3/28/96	Benzo(b)fluoranthene	0.04	93.33	J	333	ng/g
GCM1389	Soil/Solid	3/5/96	8270	3/5/96	3/28/96	Benzo(k)fluoranthene	0.04	80.00	J	333	ng/g
GCM1389	Soil/Solid	3/5/96	8270	3/5/96	3/28/96	Benzo(a)pyrene	0.04	73.33	J	333	ng/g
GCM1389	Soil/Solid	3/5/96	8270	3/5/96	3/28/96	Indeno(1,2,3-cd)pyrene	0.04	86.67	J	333	ng/g
GCM1389	Soil/Solid	3/5/96	8270	3/5/96	3/28/96	Benzo(g,h,i)perylene	0.04	93.33	J	333	ng/g
PID1035	Aqueous	3/6/96	8021	3/6/96	3/6/96	Benzene	0.70	3.62	J	5	ug/l
GCM1126	Soil/Solid	3/14/96	8270	3/14/96	3/18/96	Phenanthrene	1000	71.90	J	333	ng/g
GCM1126	Soil/Solid	3/14/96	8270	3/14/96	3/18/96	Anthracene	1000	71.90	J	333	ng/g
GCM1126	Soil/Solid	3/14/96	8270	3/14/96	3/18/96	Fluoranthene	1000	117.65	J	333	ng/g
GCM1126	Soil/Solid	3/14/96	8270	3/14/96	3/18/96	Pyrene	1000	111.11	J	333	ng/g
GCM1126	Soil/Solid	3/14/96	8270	3/14/96	3/18/96	Chrysene	0.04	137.25	J	333	ng/g
GCM1126	Soil/Solid	3/14/96	8270	3/14/96	3/18/96	Benzo(b)fluoranthene	0.04	124.18	J	333	ng/g
GCM1126	Soil/Solid	3/14/96	8270	3/14/96	3/18/96	Benzo(k)fluoranthene	0.04	130.72	J	333	ng/g
GCM1126	Soil/Solid	3/14/96	8270	3/14/96	3/18/96	Benzo(a)pyrene	0.04	91.50	J	333	ng/g
GCM1631	Soil/Solid	3/16/96	8270	3/16/96	4/16/96	Pyrene	1000	64.94	J	333	ng/g
PID1521	Aqueous	3/25/96	8021	3/25/96	3/25/96	MTBE	50	42.35		40	ug/l
PID1521	Aqueous	3/25/96	8021	3/25/96	3/25/96	Toluene	5	5.08		5	ug/l
PID1521	Aqueous	3/25/96	8021	3/25/96	3/25/96	Ethylbenzene	5	5.25		5	ug/l
PID1521	Aqueous	3/25/96	8021	3/25/96	3/25/96	m,p-Xylene	5	5.09		5	ug/l
PID1521	Aqueous	3/25/96	8021	3/25/96	3/25/96	o-Xylene	5	5.13		5	ug/l
GCM1575	Aqueous	4/8/96	8270	4/8/96	4/10/96	Benzo(k)fluoranthene	0.002	.21	J	5	ug/l
PID1623	Aqueous	4/9/96	8021	4/9/96	4/9/96	MTBE	50	21.24	J	40	ug/l
PID1623	Aqueous	4/9/96	8021	4/9/96	4/9/96	Benzene	0.70	1.91	J	5	ug/l
PID1623	Aqueous	4/9/96	8021	4/9/96	4/9/96	Trichloroethylene	5	4.29	J	5	ug/l
PID1623	Aqueous	4/9/96	8021	4/9/96	4/9/96	Toluene	5	5.37		5	ug/l
PID1623	Aqueous	4/9/96	8021	4/9/96	4/9/96	Ethylbenzene	5	2.06	J	5	ug/l
PID1623	Aqueous	4/9/96	8021	4/9/96	4/9/96	m,p-Xylene	5	3.30	J	5	ug/l
PID1623	Aqueous	4/9/96	8021	4/9/96	4/9/96	o-Xylene	5	2.43	J	5	ug/l
PID1647	Aqueous	4/10/96	8021	4/10/96	4/10/96	Trichloroethylene	5	.76	J	5	ug/l
PID1635	Aqueous	4/10/96	8021	4/10/96	4/10/96	Trichloroethylene	5	.91	J	5	ug/l
PID1635	Aqueous	4/10/96	8021	4/10/96	4/10/96	Toluene	5	2.14	J	5	ug/l
PID1666	Aqueous	4/11/96	8021	4/11/96	4/11/96	Trichloroethylene	5	.52	J	5	ug/l
PID1692	Aqueous	4/12/96	8021	4/12/96	4/12/96	Toluene	5	1.09	J	5	ug/l
PID1714	Aqueous	4/16/96	8021	4/16/96	4/16/96	Trichloroethylene	5	1.41	J	5	ug/l
PID1714	Aqueous	4/16/96	8021	4/16/96	4/16/96	Toluene	5	1.16	J	5	ug/l
PID1699	Aqueous	4/16/96	8021	4/16/96	4/16/96	Toluene	5	1.55	J	5	ug/l
PID1699	Aqueous	4/16/96	8021	4/16/96	4/16/96	o-Xylene	5	.62	J	5	ug/l

J = estimated value below practical quantitation limit and above method detection limit
D = sample was diluted, see corresponding detection limit
B = analyte was detected in an associated blank as well as in the sample

Blank Matrix 4 - Method Blanks - Positive Results

Lab File Reference	Matrix	Associated Sample Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units
PID1727	Aqueous	4/17/96	8021	4/17/96	4/17/96	Trichloroethylene	5	1.11	J	5	ug/l
PID1785	Aqueous	4/24/96	8021	4/24/96	4/24/96	Trichloroethylene	5	.70	J	5	ug/l
PID1785	Aqueous	4/24/96	8021	4/24/96	4/24/96	Toluene	5	1.11	J	5	ug/l
PID1801	Aqueous	4/25/96	8021	4/25/96	4/25/96	Trichloroethylene	5	.67	J	5	ug/l
PID1801	Aqueous	4/25/96	8021	4/25/96	4/25/96	Toluene	5	1.45	J	5	ug/l
PID1801	Aqueous	4/25/96	8021	4/25/96	4/25/96	o-Xylene	5	.58	J	5	ug/l
PID1821	Aqueous	5/1/96	8021	5/1/96	5/1/96	Toluene	5	1.26	J	5	ug/l
PID1842	Aqueous	5/6/96	8021	5/6/96	5/6/96	Trichloroethylene	5	.67	J	5	ug/l
PID1842	Aqueous	5/6/96	8021	5/6/96	5/6/96	Toluene	5	1.10	J	5	ug/l
PID1845	Aqueous	5/6/96	8021	5/6/96	5/6/96	Toluene	5	1.12	J	5	ug/l
PID1875	Aqueous	5/14/96	8021	5/14/96	5/14/96	Benzene	0.70	.77	J	5	ug/l
PID1875	Aqueous	5/14/96	8021	5/14/96	5/14/96	Trichloroethylene	5	1.19	J	5	ug/l
PID1875	Aqueous	5/14/96	8021	5/14/96	5/14/96	Toluene	5	1.98	J	5	ug/l
PID1875	Aqueous	5/14/96	8021	5/14/96	5/14/96	Ethylbenzene	5	1.26	J	5	ug/l
PID1875	Aqueous	5/14/96	8021	5/14/96	5/14/96	o-Xylene	5	1.20	J	5	ug/l
PID1921	Aqueous	5/16/96	8021	5/16/96	5/16/96	Trichloroethylene	5	.70	J	5	ug/l
PID1921	Aqueous	5/16/96	8021	5/16/96	5/16/96	Toluene	5	1.30	J	5	ug/l
PID1921	Aqueous	5/16/96	8021	5/16/96	5/16/96	Ethylbenzene	5	.85	J	5	ug/l
PID1921	Aqueous	5/16/96	8021	5/16/96	5/16/96	o-Xylene	5	.70	J	5	ug/l
PID1937	Aqueous	5/17/96	8021	5/17/96	5/17/96	Toluene	5	1.16	J	5	ug/l
PID1961	Aqueous	5/22/96	8021	5/22/96	5/22/96	Trichloroethylene	5	.68	J	5	ug/l
PID1961	Aqueous	5/22/96	8021	5/22/96	5/22/96	Toluene	5	1.52	J	5	ug/l
PID1961	Aqueous	5/22/96	8021	5/22/96	5/22/96	Ethylbenzene	5	.80	J	5	ug/l
PID1982	Aqueous	5/23/96	8021	5/23/96	5/23/96	Trichloroethylene	5	.58	J	5	ug/l
PID1985	Aqueous	5/23/96	8021	5/23/96	5/23/96	Trichloroethylene	5	.65	J	5	ug/l
PID1982	Aqueous	5/23/96	8021	5/23/96	5/23/96	Toluene	5	1.42	J	5	ug/l
PID1985	Aqueous	5/23/96	8021	5/23/96	5/23/96	Toluene	5	1.72	J	5	ug/l
PID1985	Aqueous	5/23/96	8021	5/23/96	5/23/96	Ethylbenzene	5	.81	J	5	ug/l
PID1985	Aqueous	5/23/96	8021	5/23/96	5/23/96	o-Xylene	5	.68	J	5	ug/l
GCM2035	Soil/Solid	5/28/96	8270	5/28/96	5/28/96	Fluoranthene	1000	66.67	J	333	ng/g
PID2043	Aqueous	5/30/96	8021	5/30/96	5/30/96	Trichloroethylene	5	.82	J	5	ug/l
PID2065	Aqueous	5/31/96	8021	5/31/96	5/31/96	Trichloroethylene	5	.59	J	5	ug/l
PID2054	Aqueous	5/31/96	8021	5/31/96	5/31/96	Trichloroethylene	5	.67	J	5	ug/l
PID2076	Aqueous	6/3/96	8021	6/3/96	6/3/96	Benzene	0.70	.90	J	5	ug/l
PID2074	Aqueous	6/3/96	8021	6/3/96	6/3/96	Benzene	0.70	1.55	J	5	ug/l
PID2076	Aqueous	6/3/96	8021	6/3/96	6/3/96	Trichloroethylene	5	1.80	J	5	ug/l
PID2074	Aqueous	6/3/96	8021	6/3/96	6/3/96	Trichloroethylene	5	2.64	J	5	ug/l
PID2076	Aqueous	6/3/96	8021	6/3/96	6/3/96	Toluene	5	1.07	J	5	ug/l
PID2074	Aqueous	6/3/96	8021	6/3/96	6/3/96	Toluene	5	1.86	J	5	ug/l
PID2076	Aqueous	6/3/96	8021	6/3/96	6/3/96	Ethylbenzene	5	1.15	J	5	ug/l
PID2074	Aqueous	6/3/96	8021	6/3/96	6/3/96	Ethylbenzene	5	1.96	J	5	ug/l
PID2074	Aqueous	6/3/96	8021	6/3/96	6/3/96	m,p-Xylene	5	1.98	J	5	ug/l

J = estimated value below practical quantitation limit and above method detection limit
D = sample was diluted, see corresponding detection limit
B = analyte was detected in an associated blank as well as in the sample

Blank Matrix 4 - Method Blanks - Positive Results

Lab File Reference	Matrix	Associated Sample Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units
PID2076	Aqueous	6/3/96	8021	6/3/96	6/3/96	o-Xylene	5	1.17	J	5	ug/l
PID2074	Aqueous	6/3/96	8021	6/3/96	6/3/96	o-Xylene	5	1.96	J	5	ug/l
PID2155	Aqueous	6/8/96	8021	6/8/96	6/8/96	Ethylbenzene	5	.88	J	5	ug/l
PID2155	Aqueous	6/8/96	8021	6/8/96	6/8/96	m,p-Xylene	5	2.64	J	5	ug/l
PID2155	Aqueous	6/8/96	8021	6/8/96	6/8/96	o-Xylene	5	1.06	J	5	ug/l
PID2163	Aqueous	6/9/96	8021	6/9/96	6/9/96	Ethylbenzene	5	.82	J	5	ug/l
PID2203	Aqueous	6/11/96	8021	6/11/96	6/11/96	Trichloroethylene	5	1.13	J	5	ug/l
PID2215	Aqueous	6/11/96	8021	6/11/96	6/11/96	Trichloroethylene	5	1.31	J	5	ug/l
PID2215	Aqueous	6/11/96	8021	6/11/96	6/11/96	Ethylbenzene	5	1.77	J	5	ug/l
PID2215	Aqueous	6/11/96	8021	6/11/96	6/11/96	m,p-Xylene	5	5.23		5	ug/l
PID2215	Aqueous	6/11/96	8021	6/11/96	6/11/96	o-Xylene	5	2.24	J	5	ug/l
PID2233	Aqueous	6/12/96	8021	6/12/96	6/12/96	Trichloroethylene	5	.75	J	5	ug/l
PID2233	Aqueous	6/12/96	8021	6/12/96	6/12/96	o-Xylene	5	.85	J	5	ug/l
PID2241	Aqueous	6/13/96	8021	6/13/96	6/13/96	Ethylbenzene	5	.88	J	5	ug/l
PID2241	Aqueous	6/13/96	8021	6/13/96	6/13/96	o-Xylene	5	.79	J	5	ug/l
PID2279	Aqueous	6/17/96	8021	6/17/96	6/17/96	Benzene	0.70	1.88	J	5	ug/l
PID2293	Aqueous	6/17/96	8021	6/17/96	6/17/96	Trichloroethylene	5	.52	J	5	ug/l
PID2279	Aqueous	6/17/96	8021	6/17/96	6/17/96	Trichloroethylene	5	3.35	J	5	ug/l
PID2279	Aqueous	6/17/96	8021	6/17/96	6/17/96	Toluene	5	2.86	J	5	ug/l
PID2279	Aqueous	6/17/96	8021	6/17/96	6/17/96	Ethylbenzene	5	2.84	J	5	ug/l
PID2279	Aqueous	6/17/96	8021	6/17/96	6/17/96	m,p-Xylene	5	4.17	J	5	ug/l
PID2279	Aqueous	6/17/96	8021	6/17/96	6/17/96	o-Xylene	5	2.73	J	5	ug/l
PID2317	Aqueous	6/19/96	8021	6/19/96	6/19/96	Trichloroethylene	5	.70	J	5	ug/l
PID2317	Aqueous	6/19/96	8021	6/19/96	6/19/96	Ethylbenzene	5	1.10	J	5	ug/l
PID2317	Aqueous	6/19/96	8021	6/19/96	6/19/96	m,p-Xylene	5	3.63	J	5	ug/l
PID2317	Aqueous	6/19/96	8021	6/19/96	6/19/96	o-Xylene	5	1.45	J	5	ug/l
PID2374	Aqueous	6/22/96	8021	6/22/96	6/22/96	Trichloroethylene	5	.52	J	5	ug/l
PID2406	Aqueous	6/23/96	8021	6/23/96	6/23/96	Benzene	0.70	.93	J	5	ug/l
PID2406	Aqueous	6/23/96	8021	6/23/96	6/23/96	Trichloroethylene	5	.54	J	5	ug/l
PID2396	Aqueous	6/23/96	8021	6/23/96	6/23/96	Trichloroethylene	5	.62	J	5	ug/l
PID2418	Aqueous	6/24/96	8021	6/24/96	6/24/96	Benzene	0.70	1.16	J	5	ug/l
PID2418	Aqueous	6/24/96	8021	6/24/96	6/24/96	Trichloroethylene	5	.76	J	5	ug/l
PID2421	Aqueous	6/24/96	8021	6/24/96	6/24/96	Trichloroethylene	5	.85	J	5	ug/l
PID2418	Aqueous	6/24/96	8021	6/24/96	6/24/96	Toluene	5	1.58	J	5	ug/l
PID2421	Aqueous	6/24/96	8021	6/24/96	6/24/96	Toluene	5	2.24	J	5	ug/l
PID2418	Aqueous	6/24/96	8021	6/24/96	6/24/96	Ethylbenzene	5	1.57	J	5	ug/l
PID2421	Aqueous	6/24/96	8021	6/24/96	6/24/96	Ethylbenzene	5	3.79	J	5	ug/l
PID2421	Aqueous	6/24/96	8021	6/24/96	6/24/96	m,p-Xylene	5	5.98		5	ug/l
PID2418	Aqueous	6/24/96	8021	6/24/96	6/24/96	o-Xylene	5	1.39	J	5	ug/l
PID2421	Aqueous	6/24/96	8021	6/24/96	6/24/96	o-Xylene	5	3.34	J	5	ug/l
PID2445	Aqueous	6/25/96	8021	6/25/96	6/25/96	Trichloroethylene	5	.71	J	5	ug/l
PID2457	Aqueous	6/26/96	8021	6/26/96	6/26/96	Ethylbenzene	5	.79	J	5	ug/l

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Blank Matrix 4 - Method Blanks - Positive Results

Lab File Reference	Matrix	Associated Sample Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units
PID2457	Aqueous	6/26/96	8021	6/26/96	6/26/96	o-Xylene	5	.66	J	5	ug/l
GCM2391	Aqueous	6/26/96	8270	6/26/96	6/26/96	Fluorene	50	.12	J	5	ug/l
GCM2391	Aqueous	6/26/96	8270	6/26/96	6/26/96	Phenanthrene	50	.19	J	5	ug/l
GCM2391	Aqueous	6/26/96	8270	6/26/96	6/26/96	Anthracene	50	.15	J	5	ug/l
GCM2391	Aqueous	6/26/96	8270	6/26/96	6/26/96	Fluoranthene	50	.17	J	5	ug/l
GCM2391	Aqueous	6/26/96	8270	6/26/96	6/26/96	Pyrene	50	.18	J	5	ug/l
GCM2391	Aqueous	6/26/96	8270	6/26/96	6/26/96	Benzo(a)anthracene	0.002	.23	J	5	ug/l
GCM2391	Aqueous	6/26/96	8270	6/26/96	6/26/96	Chrysene	0.002	.20	J	5	ug/l
GCM2391	Aqueous	6/26/96	8270	6/26/96	6/26/96	Benzo(b)fluoranthene	0.002	.17	J	5	ug/l
GCM2391	Aqueous	6/26/96	8270	6/26/96	6/26/96	Benzo(k)fluoranthene	0.002	.19	J	5	ug/l
GCM2391	Aqueous	6/26/96	8270	6/26/96	6/26/96	Benzo(a)pyrene	0.002	.13	J	5	ug/l
GCM2391	Aqueous	6/26/96	8270	6/26/96	6/26/96	Indeno(1,2,3-cd)pyrene	0.002	.13	J	5	ug/l
GCM2391	Aqueous	6/26/96	8270	6/26/96	6/26/96	Dibenz(a,h)anthracene	50	.11	J	5	ug/l
GCM2391	Aqueous	6/26/96	8270	6/26/96	6/26/96	Benzo(g,h,i)perylene	0.002	.15	J	5	ug/l
PID2489	Aqueous	6/27/96	8021	6/27/96	6/27/96	Trichloroethylene	5	.89	J	5	ug/l
PID2481	Aqueous	6/27/96	8021	6/27/96	6/27/96	Trichloroethylene	5	27.22		5	ug/l
PID2487	Aqueous	6/27/96	8021	6/27/96	6/27/96	Trichloroethylene	5	3.24	J	5	ug/l
PID2481	Aqueous	6/27/96	8021	6/27/96	6/27/96	Toluene	5	9.29		5	ug/l
PID2481	Aqueous	6/27/96	8021	6/27/96	6/27/96	Ethylbenzene	5	17.03		5	ug/l
PID2487	Aqueous	6/27/96	8021	6/27/96	6/27/96	m,p-Xylene	5	10.97		5	ug/l
PID2481	Aqueous	6/27/96	8021	6/27/96	6/27/96	m,p-Xylene	5	23.11		5	ug/l
PID2481	Aqueous	6/27/96	8021	6/27/96	6/27/96	o-Xylene	5	51.29		5	ug/l
PID2487	Aqueous	6/27/96	8021	6/27/96	6/27/96	o-Xylene	5	8.35		5	ug/l
PID2515	Aqueous	6/28/96	8021	6/28/96	6/28/96	Benzene	0.70	1.74	J	5	ug/l
PID2504	Aqueous	6/28/96	8021	6/28/96	6/28/96	Benzene	0.70	3.66	J	5	ug/l
PID2515	Aqueous	6/28/96	8021	6/28/96	6/28/96	Trichloroethylene	5	.59	J	5	ug/l
PID2504	Aqueous	6/28/96	8021	6/28/96	6/28/96	Trichloroethylene	5	1.28	J	5	ug/l
PID2497	Aqueous	6/28/96	8021	6/28/96	6/28/96	Toluene	5	1.66	J	5	ug/l
PID2497	Aqueous	6/28/96	8021	6/28/96	6/28/96	Ethylbenzene	5	6.32		5	ug/l
PID2497	Aqueous	6/28/96	8021	6/28/96	6/28/96	m,p-Xylene	5	27.53		5	ug/l
PID2504	Aqueous	6/28/96	8021	6/28/96	6/28/96	o-Xylene	5	.83	J	5	ug/l
PID2497	Aqueous	6/28/96	8021	6/28/96	6/28/96	o-Xylene	5	19.06		5	ug/l
PID2535	Aqueous	7/9/96	8021	7/9/96	7/9/96	Benzene	0.70	1.99	J	5	ug/l
PID2535	Aqueous	7/9/96	8021	7/9/96	7/9/96	Ethylbenzene	5	.87	J	5	ug/l
PID2535	Aqueous	7/9/96	8021	7/9/96	7/9/96	o-Xylene	5	1.16	J	5	ug/l
GCM2495	Soil/Solid	7/9/96	8270	7/9/96	7/10/96	Acenaphthene	400	24.34	J	333	ng/g
PID2560	Aqueous	7/10/96	8021	7/10/96	7/10/96	Benzene	0.70	1.72	J	5	ug/l
PID2549	Aqueous	7/10/96	8021	7/10/96	7/10/96	Benzene	0.70	2.01	J	5	ug/l
PID2560	Aqueous	7/10/96	8021	7/10/96	7/10/96	Trichloroethylene	5	.71	J	5	ug/l
PID2572	Aqueous	7/11/96	8021	7/11/96	7/11/96	Benzene	0.70	1.77	J	5	ug/l
PID2572	Aqueous	7/11/96	8021	7/11/96	7/11/96	Trichloroethylene	5	1.22	J	5	ug/l
GCM2557	Soil/Solid	7/11/96	8270	7/11/96	7/12/96	Acenaphthene	400	30.00	J	333	ng/g

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Blank Matrix 4 - Method Blanks - Positive Results

Lab File Reference	Matrix	Associated Sample Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units
GCM2557	Soil/Solid	7/11/96	8270	7/11/96	7/12/96	Chrysene	0.04	22.00	J	333	ng/g
PID2641	Aqueous	7/18/96	8021	7/18/96	7/18/96	MTBE	50	20.37	J	40	ug/l
PID2651	Aqueous	7/18/96	8021	7/18/96	7/18/96	Benzene	0.70	1.26	J	5	ug/l
PID2641	Aqueous	7/18/96	8021	7/18/96	7/18/96	Benzene	0.70	1.86	J	5	ug/l
PID2641	Aqueous	7/18/96	8021	7/18/96	7/18/96	o-Xylene	5	.68	J	5	ug/l
GCM2664	Aqueous	7/18/96	8270	7/18/96	7/22/96	Acenaphthene	20	.13	J	5	ug/l
GCM2664	Aqueous	7/18/96	8270	7/18/96	7/22/96	Chrysene	0.002	.10	J	5	ug/l
PID2674	Aqueous	7/19/96	8021	7/19/96	7/19/96	Benzene	0.70	.89	J	5	ug/l
PID2667	Aqueous	7/19/96	8021	7/19/96	7/19/96	Benzene	0.70	1.50	J	5	ug/l
PID2701	Aqueous	7/22/96	8021	7/22/96	7/22/96	Benzene	0.70	1.52	J	5	ug/l
PID2694	Aqueous	7/22/96	8021	7/22/96	7/22/96	Benzene	0.70	20.43		5	ug/l
PID2694	Aqueous	7/22/96	8021	7/22/96	7/22/96	Trichloroethylene	5	ND		5	ug/l
PID2694	Aqueous	7/22/96	8021	7/22/96	7/22/96	Toluene	5	88.18		5	ug/l
PID2694	Aqueous	7/22/96	8021	7/22/96	7/22/96	Ethylbenzene	5	44.24		5	ug/l
PID2694	Aqueous	7/22/96	8021	7/22/96	7/22/96	m,p-Xylene	5	519.67		5	ug/l
PID2694	Aqueous	7/22/96	8021	7/22/96	7/22/96	o-Xylene	5	269.71		5	ug/l
GCM2733	Aqueous	7/24/96	8270	7/24/96	7/25/96	Naphthalene	10	.19	J	5	ug/l
PID2780	Aqueous	7/25/96	8021	7/25/96	7/25/96	Benzene	0.70	.79	J	5	ug/l
PID2780	Aqueous	7/25/96	8021	7/25/96	7/25/96	Trichloroethylene	5	2.14	J	5	ug/l
PID2780	Aqueous	7/25/96	8021	7/25/96	7/25/96	Toluene	5	3.49	J	5	ug/l
PID2780	Aqueous	7/25/96	8021	7/25/96	7/25/96	Ethylbenzene	5	1.15	J	5	ug/l
PID2768	Aqueous	7/25/96	8021	7/25/96	7/25/96	o-Xylene	5	.77	J	5	ug/l
PID2780	Aqueous	7/25/96	8021	7/25/96	7/25/96	o-Xylene	5	1.31	J	5	ug/l
GCM2763	Aqueous	7/25/96	8270	7/25/96	7/29/96	Naphthalene	10	.15	J	5	ug/l
PID2788	Aqueous	7/26/96	8021	7/26/96	7/26/96	o-Xylene	5	.60	J	5	ug/l
PID2820	Aqueous	7/27/96	8021	7/27/96	7/27/96	o-Xylene	5	.58	J	5	ug/l
PID2826	Aqueous	7/29/96	8021	7/29/96	7/29/96	Ethylbenzene	5	.95	J	5	ug/l
PID2826	Aqueous	7/29/96	8021	7/29/96	7/29/96	o-Xylene	5	.90	J	5	ug/l
PID2867	Aqueous	8/1/96	8021	8/1/96	8/1/96	o-Xylene	5	.66	J	5	ug/l
PID2954	Aqueous	8/13/96	8021	8/13/96	8/13/96	Toluene	5	1.85	J	5	ug/l
PID2954	Aqueous	8/13/96	8021	8/13/96	8/13/96	Ethylbenzene	5	1.24	J	5	ug/l
PID2954	Aqueous	8/13/96	8021	8/13/96	8/13/96	o-Xylene	5	1.26	J	5	ug/l
PID2965	Aqueous	8/14/96	8021	8/14/96	8/14/96	MTBE	50	19.78	J	40	ug/l
PID2965	Aqueous	8/14/96	8021	8/14/96	8/14/96	Toluene	5	1.65	J	5	ug/l
PID2965	Aqueous	8/14/96	8021	8/14/96	8/14/96	o-Xylene	5	.73	J	5	ug/l
PID2989	Aqueous	8/15/96	8021	8/15/96	8/15/96	MTBE	50	19.54	J	40	ug/l
PID2999	Aqueous	8/15/96	8021	8/15/96	8/15/96	Benzene	0.70	.77	J	5	ug/l
PID2999	Aqueous	8/15/96	8021	8/15/96	8/15/96	Trichloroethylene	5	3.36	J	5	ug/l
PID2989	Aqueous	8/15/96	8021	8/15/96	8/15/96	Toluene	5	1.45	J	5	ug/l
PID2989	Aqueous	8/15/96	8021	8/15/96	8/15/96	o-Xylene	5	.62	J	5	ug/l
PID3011	Aqueous	8/16/96	8021	8/16/96	8/16/96	MTBE	50	19.68	J	40	ug/l
PID3009	Aqueous	8/16/96	8021	8/16/96	8/16/96	MTBE	50	19.93	J	40	ug/l

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Blank Matrix 4 - Method Blanks - Positive Results

Lab File Reference	Matrix	Associated Sample Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units
PID3007	Aqueous	8/16/96	8021	8/16/96	8/16/96	MTBE	50	20.67	J	40	ug/l
PID3011	Aqueous	8/16/96	8021	8/16/96	8/16/96	Benzene	0.70	.93	J	5	ug/l
PID3007	Aqueous	8/16/96	8021	8/16/96	8/16/96	Benzene	0.70	.98	J	5	ug/l
PID3023	Aqueous	8/16/96	8021	8/16/96	8/16/96	Benzene	0.70	1.06	J	5	ug/l
PID3011	Aqueous	8/16/96	8021	8/16/96	8/16/96	Trichloroethylene	5	ND		5	ug/l
PID3023	Aqueous	8/16/96	8021	8/16/96	8/16/96	Trichloroethylene	5	ND		5	ug/l
PID3011	Aqueous	8/16/96	8021	8/16/96	8/16/96	Toluene	5	1.26	J	5	ug/l
PID3009	Aqueous	8/16/96	8021	8/16/96	8/16/96	Toluene	5	1.38	J	5	ug/l
PID3023	Aqueous	8/16/96	8021	8/16/96	8/16/96	Toluene	5	1.51	J	5	ug/l
PID3007	Aqueous	8/16/96	8021	8/16/96	8/16/96	Toluene	5	2.41	J	5	ug/l
PID3011	Aqueous	8/16/96	8021	8/16/96	8/16/96	Ethylbenzene	5	.91	J	5	ug/l
PID3007	Aqueous	8/16/96	8021	8/16/96	8/16/96	Ethylbenzene	5	.92	J	5	ug/l
PID3023	Aqueous	8/16/96	8021	8/16/96	8/16/96	Ethylbenzene	5	1.18	J	5	ug/l
PID3011	Aqueous	8/16/96	8021	8/16/96	8/16/96	o-Xylene	5	.90	J	5	ug/l
PID3007	Aqueous	8/16/96	8021	8/16/96	8/16/96	o-Xylene	5	.94	J	5	ug/l
PID3023	Aqueous	8/16/96	8021	8/16/96	8/16/96	o-Xylene	5	1.15	J	5	ug/l
PID3031	Aqueous	8/17/96	8021	8/17/96	8/17/96	Benzene	0.70	.75	J	5	ug/l
PID3027	Aqueous	8/17/96	8021	8/17/96	8/17/96	Benzene	0.70	.76	J	5	ug/l
PID3031	Aqueous	8/17/96	8021	8/17/96	8/17/96	Toluene	5	1.08	J	5	ug/l
PID3031	Aqueous	8/17/96	8021	8/17/96	8/17/96	Ethylbenzene	5	.89	J	5	ug/l
PID3027	Aqueous	8/17/96	8021	8/17/96	8/17/96	o-Xylene	5	.70	J	5	ug/l
PID3031	Aqueous	8/17/96	8021	8/17/96	8/17/96	o-Xylene	5	1.82	J	5	ug/l
PID3055	Aqueous	8/18/96	8021	8/18/96	8/18/96	o-Xylene	5	.59	J	5	ug/l
PID3041	Aqueous	8/18/96	8021	8/18/96	8/18/96	o-Xylene	5	.64	J	5	ug/l
PID3100	Aqueous	8/20/96	8021	8/20/96	8/20/96	Trichloroethylene	5	ND		5	ug/l
PID3100	Aqueous	8/20/96	8021	8/20/96	8/20/96	Ethylbenzene	5	1.20	J	5	ug/l
PID3100	Aqueous	8/20/96	8021	8/20/96	8/20/96	o-Xylene	5	1.55	J	5	ug/l
GCM3127	Aqueous	8/22/96	8270	8/22/96	8/23/96	Naphthalene	10	.59	J	5	ug/l
PID3598	Aqueous	9/24/96	8021	9/24/96	9/24/96	Trichloroethylene	5	.58	J	5	ug/l

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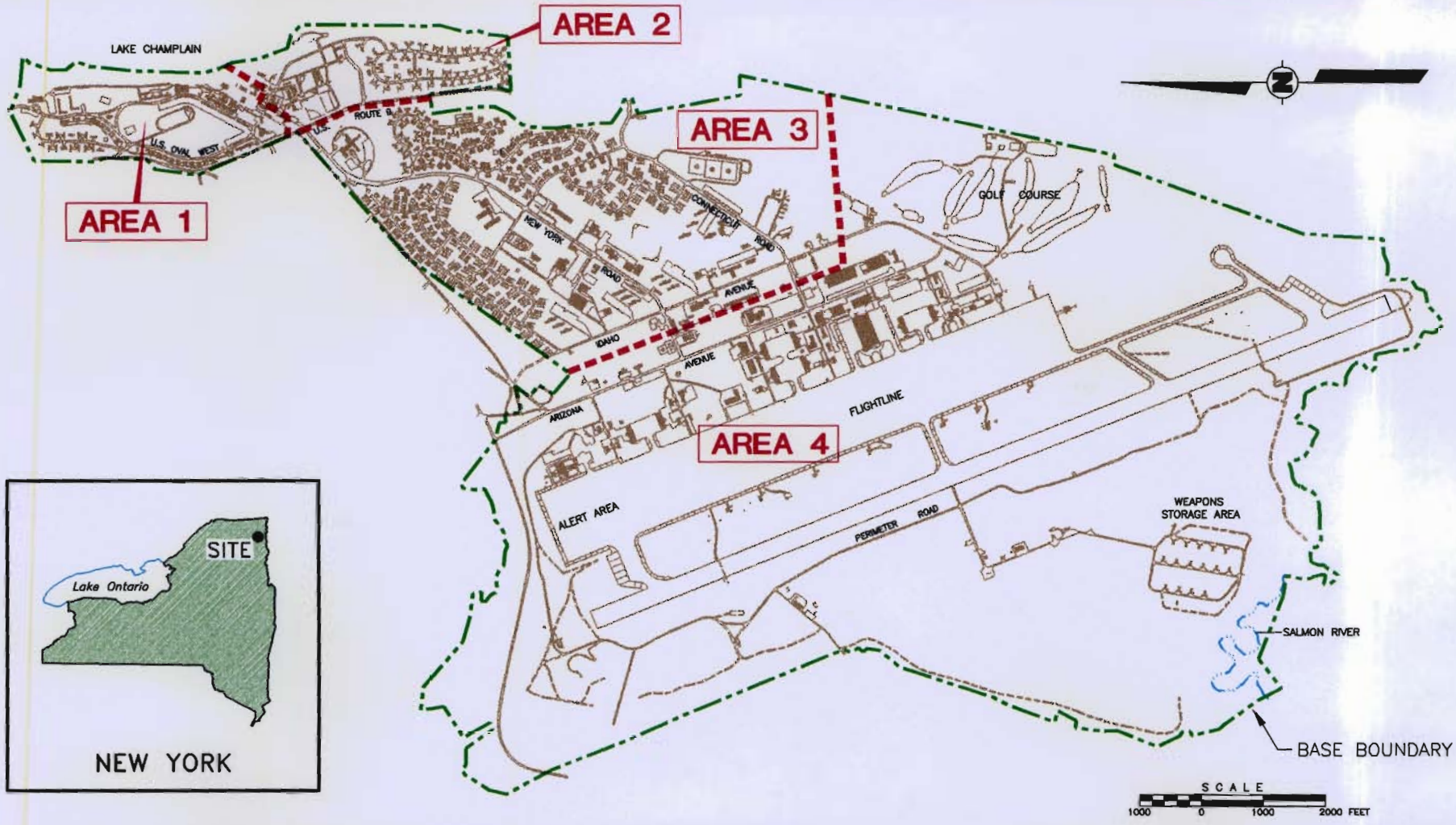
FIGURES

Plot Scale: 1 = 1 revision 0

CAD File: 17499-A7



Legend

- BASE BOUNDARY
- AREA BOUNDARY

OHM Remediation Services Corp.

OHM Project No. 17499

Drawn By:	Checked By:	Approved By:
A. Smith	G. GUIMOND	M. QUINLAN
Date:	Scale:	Drawing No.
2/12/97	AS SHOWN	17499-A7

FIGURE 1

SITE LOCATION MAP

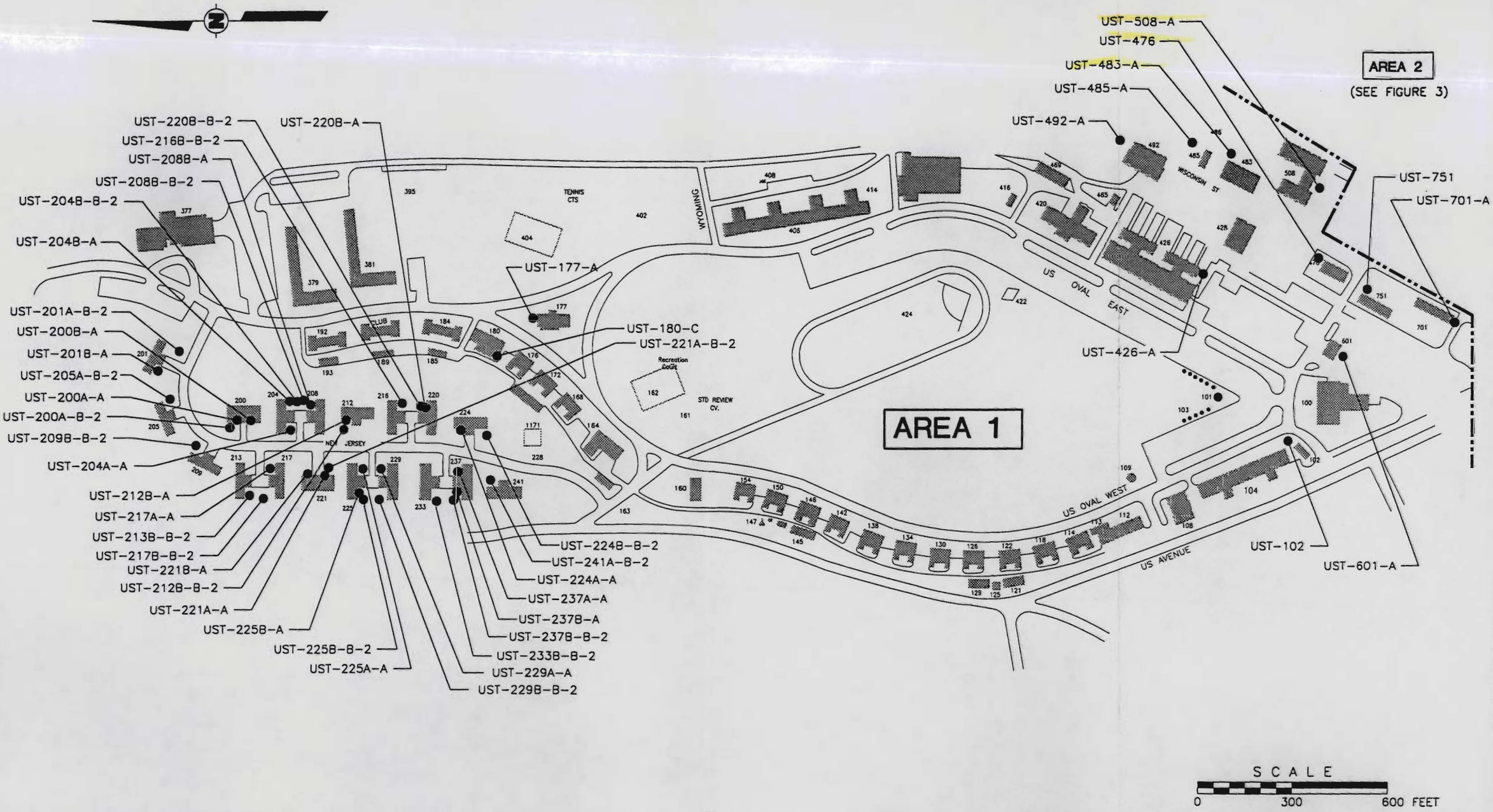
PLATTSBURGH AIR FORCE BASE, NEW YORK

PREPARED FOR

AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE

BROOKS AIR FORCE BASE, TEXAS

CAD File: 17499-B4



General Notes and Legend
UST – UNDERGROUND STORAGE TANKS

No.	Revision/Issue	Date

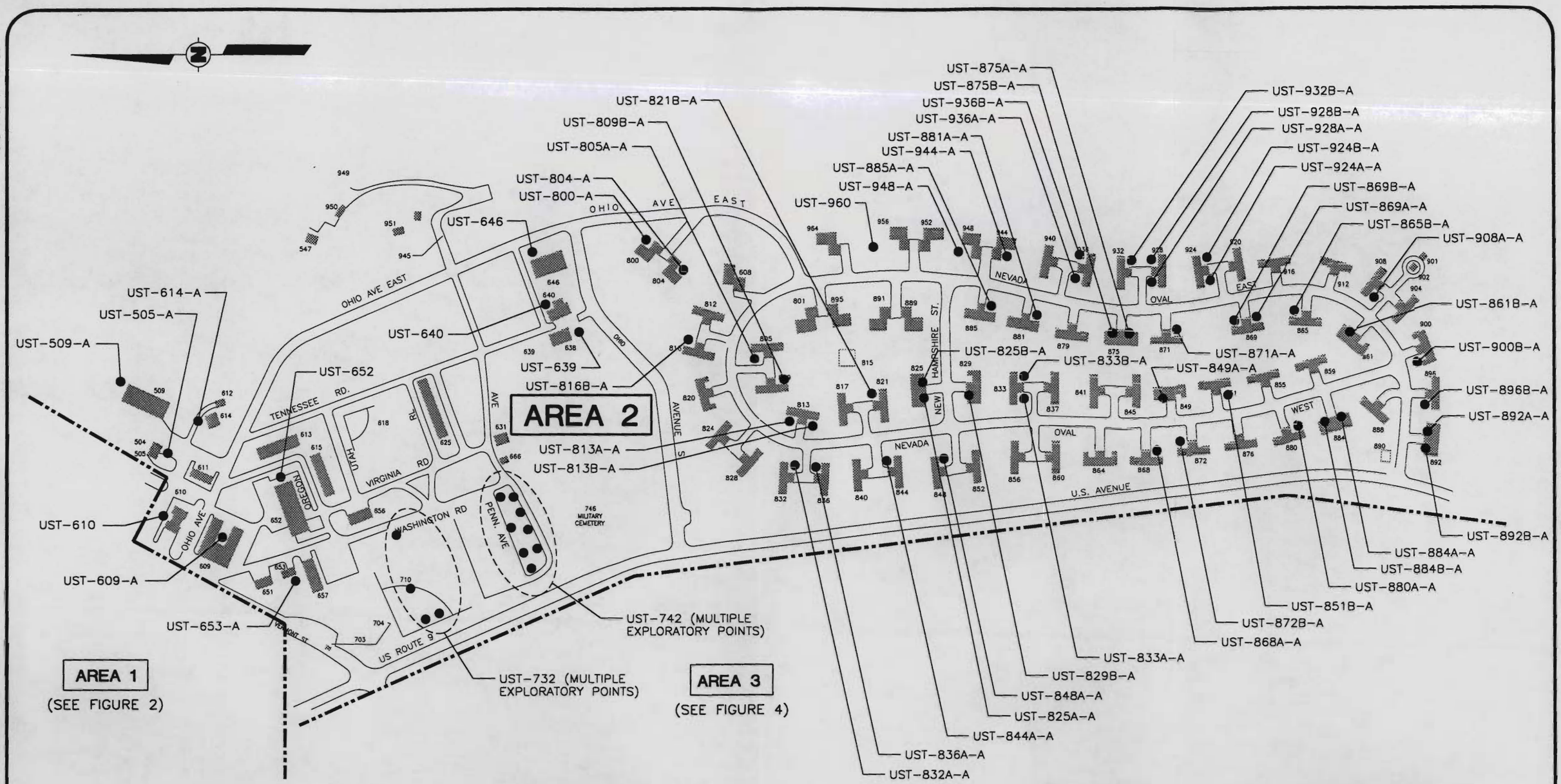
OHM Remediation Services Corp.
OHM Project No. 17499

Drawn By:	Checked By:	Approved By:
D.L./M.D.W.	G. GUIMOND	M. QUINLAN
Date:	Scale:	Drawing No.
2/12/97	AS SHOWN	17499-B4

FIGURE 2
UST LOCATIONS – AREA 1
UST ASSESSMENT & REMOVAL
PLATTSBURGH AIR FORCE BASE, NEW YORK
PREPARED FOR
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS

Plot Scale: 1 = 300 revision 0

CAD File: 17499-B5



General Notes and Legend
UST – UNDERGROUND STORAGE TANKS

No.	Revision/Issue	Date

OHM Remediation Services Corp.
OHM Project No. 17499

Drawn By:	Checked By:	Approved By:
D.L./M.D.W.	G. GUIMOND	M. QUINLAN
Date: 3/3/97	Scale: AS SHOWN	Drawing No. 17499-B5

FIGURE 3
UST LOCATIONS – AREA 2
UST ASSESSMENT & REMOVAL
PLATTSBURGH AIR FORCE BASE, NEW YORK
PREPARED FOR
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS

Plot Scale: 1 = 300 revision 0

CAD File: 17499-B6

Plot Scale: 1 = 600 revision 0

AREA 2
(SEE FIGURE 3)

UST-2335-B TO UST-2335-G AND UST-2335-M
UST-2335-H-2 TO UST 2335-K-2

UST-2065-A

2071 L.F. FIL.STD.,TRK

OPEN STORAGE

UST-5025

UST-2385-B

UST-2380-A

UST-5128

UST-2624 (EXPLORATORY EXCAVATIONS)

UST-2548

UST-2015-A-2

UST-2552-A-2

UST-2555-A
UST-2555-B
UST-2558-A-2

AREA 3

AREA 4
(SEE FIGURE 5)

MICHIGAN CIRCLE

NEW YORK RD.

KANSAS AVENUE

NEBRASKA STREET

SHARRON AVENUE

IDAHO AVE. N.

NEW YORK ROAD

DEP ELEMENTARY SCHOOL

DEP ELEMENTARY SCHOOL

CONNECTICUT

IDAHO AVENUE

2320 Softball Fields

FLD-1

FLD-2

CONC PAD

SCALE
0 600 1200 FEET

General Notes and Legend
UST – UNDERGROUND STORAGE TANKS

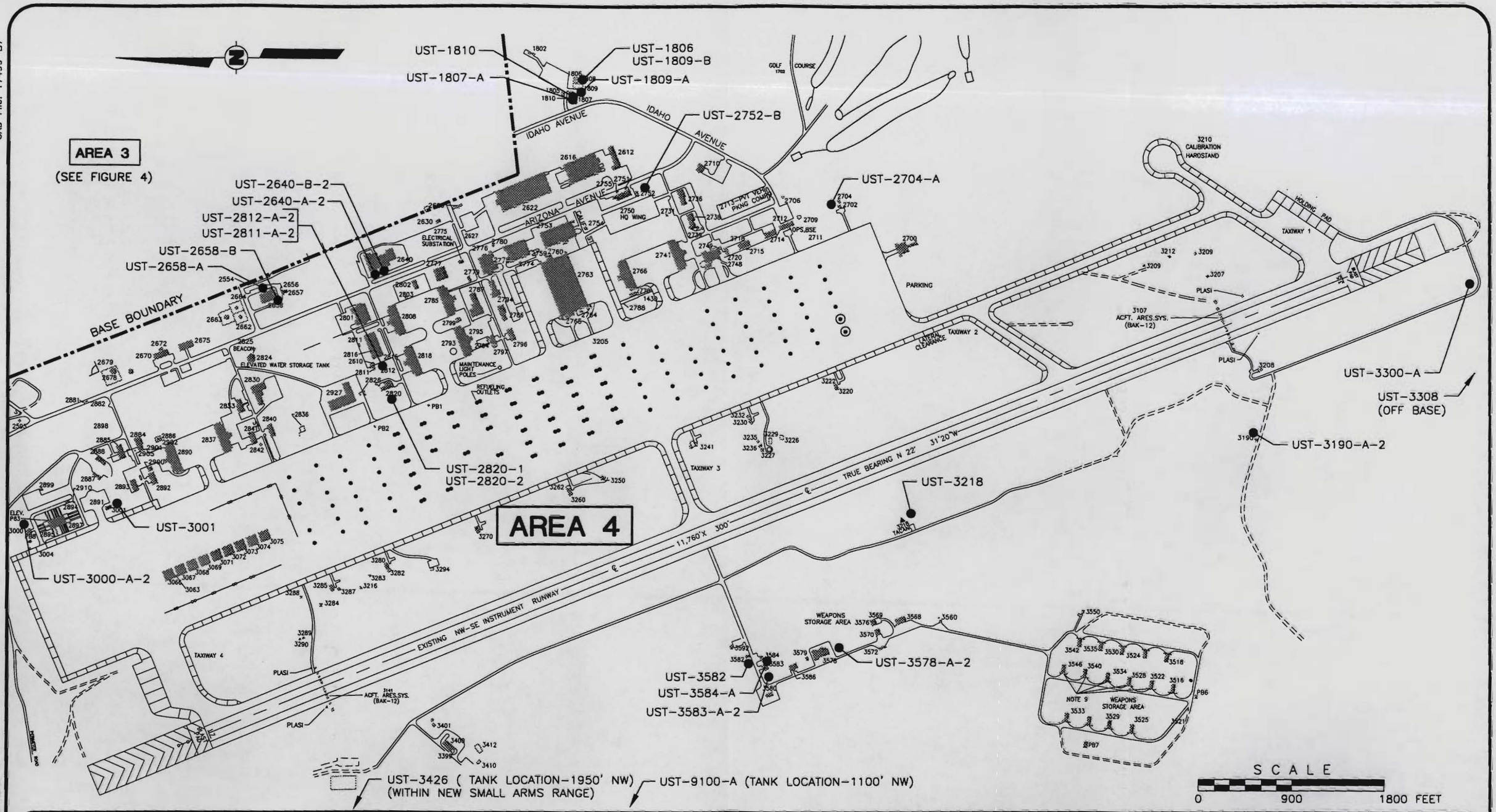
No.	Revision	Date

OHM Remediation Services Corp.
OHM Project No. 17499

Drawn By:	Checked By:	Approved By:
D.L./M.D.W.	G. GUIMOND	M. QUINLAN
Date:	Scale:	Drawing No.
3/3/97	AS SHOWN	17499-B6

FIGURE 4
UST LOCATIONS – AREA 3
UST ASSESSMENT & REMOVAL
PLATTSBURGH AIR FORCE BASE, NEW YORK
PREPARED FOR
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS

CAD File: 17499-B7



General Notes and Legend
UST – UNDERGROUND STORAGE TANKS

No.	Revision	Date

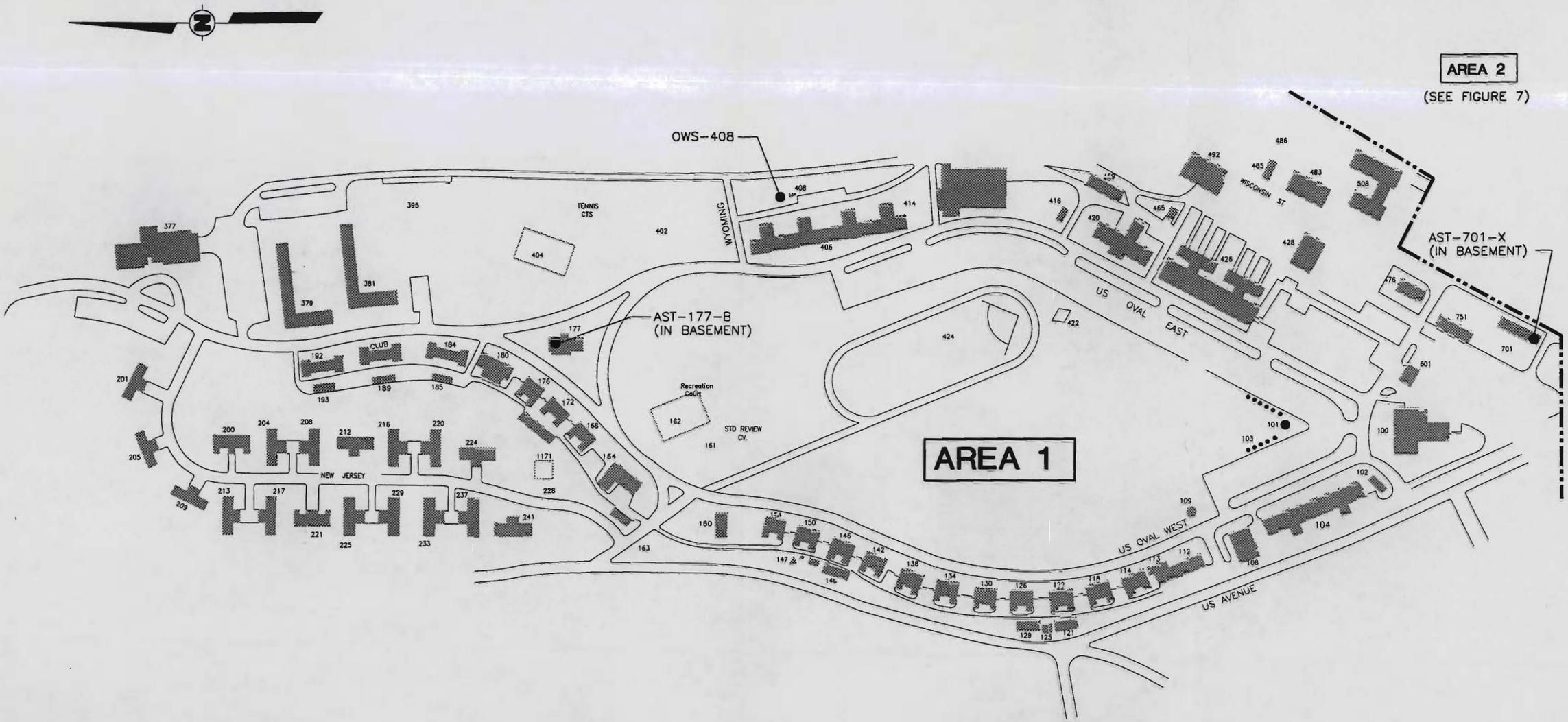
OHM Remediation Services Corp.
OHM Project No. 17499

Drawn By:	G. GUIMOND	Approved By:
D.L./M.D.W.	G. GUIMOND	M. QUINLAN
Date:	Scale:	Drawing No.
2/12/97	AS SHOWN	17499-B7

FIGURE 5
UST LOCATIONS – AREA 4
UST ASSESSMENT AND REMOVAL
PLATTSBURGH AIR FORCE BASE, NEW YORK
PREPARED FOR
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS

Plot Scale: 1 = 1 revision 0

CAD File: 17499-88



General Notes and Legend

OWS – OIL/WATER SEPARATOR
AST – ABOVEGROUND STORAGE TANK
SPT – SEPTIC TANK

No.	Revision/Issue	Date

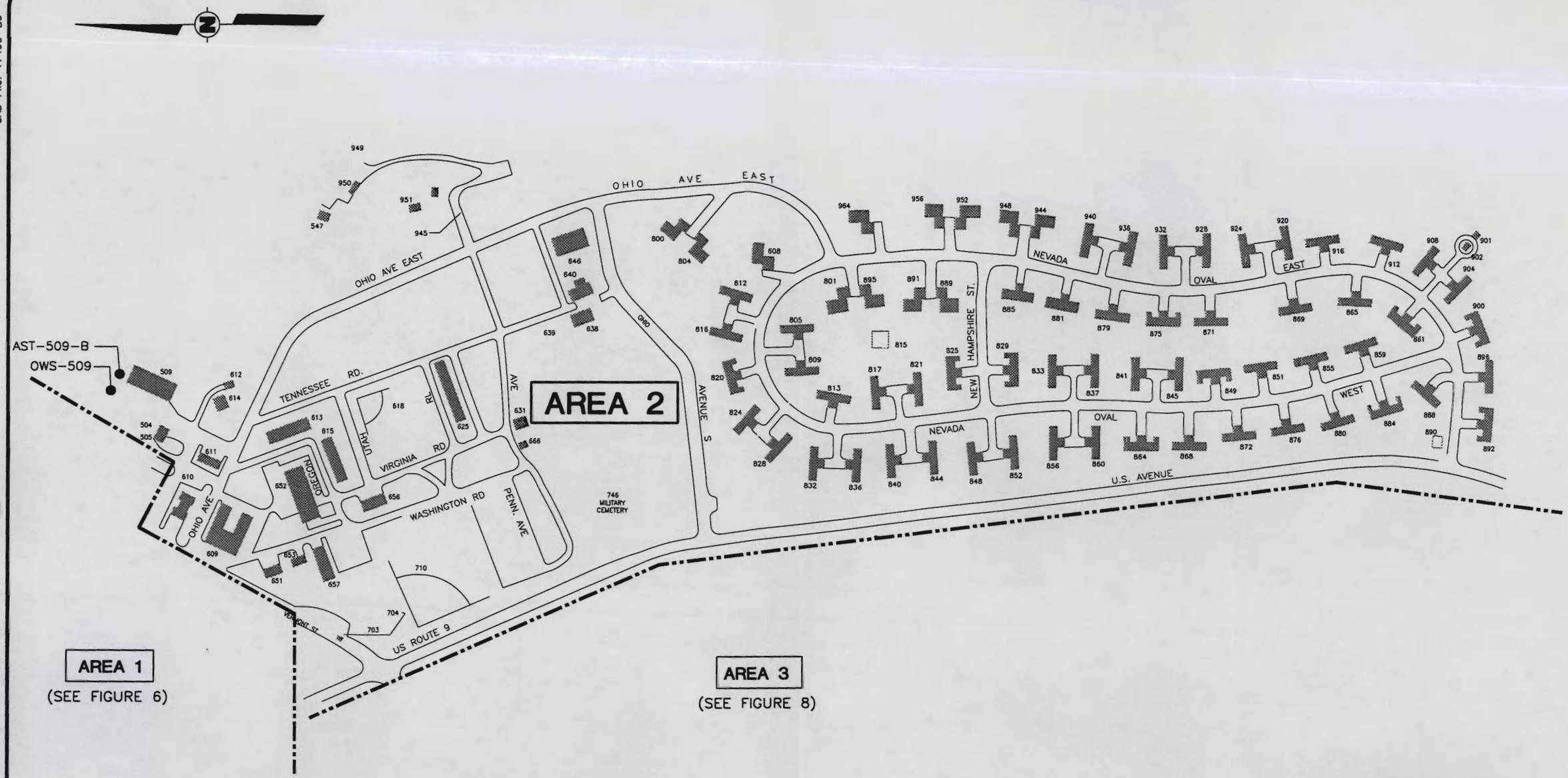
OHM Remediation Services Corp.
OHM Project No. 17499

Drawn By:	Checked By:	Approved By:
D.L./M.D.W.	G. GUIMOND	M. QUINLAN
Date:	**Scale:**	**Drawing No.**
2/10/97	AS SHOWN	17499-88

FIGURE 6
OWS, SPT, AND AST LOCATIONS – AREA 1
OWS, SPT, AND AST REMOVAL
PLATTSBURGH AIR FORCE BASE, NEW YORK
PREPARED FOR
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS

Plot Scale: 1 = 300 revision 0

CAD File: 17499-B9



General Notes and Legend
OWS – OIL/WATER SEPARATOR
AST – ABOVE GROUND STORAGE TANK
SPT – SEPTIC TANK

No.	Revision/Issue	Date

OHM Remediation Services Corp.
OHM Project No. 17499

Drawn By:	Checked By:	Approved By:
D.L./M.D.W.	G. GUIMOND	M. QUINLAN
Date:	Scale:	Drawing No.
2/10/97	AS SHOWN	17499-B9

FIGURE 7
OWS, SPT, AND AST LOCATIONS– AREA 2
OWS, SPT AND AST REMOVAL
PLATTSBURGH AIR FORCE BASE, NEW YORK

PREPARED FOR
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS

Plot Sc 1 = 300 revision 0

CAD File: 17499-B10

General Notes and Legend
OWS – OIL/WATER SEPARATOR
AST – ABOVE GROUND STORAGE TANK
SPT – SEPTIC TANK

No.	Revision	Date

OHM Remediation Services Corp.
OHM Project No. 17499

Drawn By:	Checked By:	Approved By:
D.L./M.D.W.	G. GUIMOND	M. QUINLAN
Date:	Scale:	Drawing No.
2/12/97	AS SHOWN	17499-B10

FIGURE 8
OWS, SPT, AND AST LOCATIONS – AREA 3
OWS, SPT AND AST REMOVAL
PLATTSBURGH AIR FORCE BASE, NEW YORK
PREPARED FOR
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS

Plot Scale: 1 = 600 revision 0

CAD File: 17499-B11

AREA 3
(SEE FIGURE 8)

AREA 4

OWS-2763-2
OTH-2774
AST-1807-B
OWS-2815
OWS-2658
AST-2658-F
BASE BOUNDARY
AST-2764
OWS-2763-3
OWS-2700
AST-2700
SPT-3226
AST-3227
AST-3300-B
SPT-3578
AST-3592-B
SPT-3401
AST-3400-B
OWS-3400
OWS-3410
OWS-3520
AST-9100-B (OFF BASE)

IDAHO AVENUE
ARIZONA AVENUE
GOLF COURSE
PARKING
TAXIWAY 1
TAXIWAY 2
TAXIWAY 3
TAXIWAY 4
HOLDING PAD
3210 CALIBRATION HARDSTAND
2713-PVI VEHIC PKNG COMPD
2750 HQ WING
OPS, BSE
ELECTRICAL SUBSTATION
BEACON
ELEVATED WATER STORAGE TANK
MAINTENANCE LIGHT POLES
REFUELING OUTLETS
WEAPONS STORAGE AREA
NOTE 9 WEAPONS STORAGE AREA
PLASI
ACFT. ARES.SYS. (BAK-12)
LATERAL CLEARANCE
TRUE BEARING N 22° 31'20"W
11,760'X 300' EXISTING NW-SE INSTRUMENT RUNWAY
DIMETER RING

SCALE
0 900 1800 FEET

General Notes and Legend

OWS - OIL/WATER SEPARATOR
AST - ABOVE GROUND STORAGE TANK
SPT - SEPTIC TANK
OTH - OTHER STRUCTURE

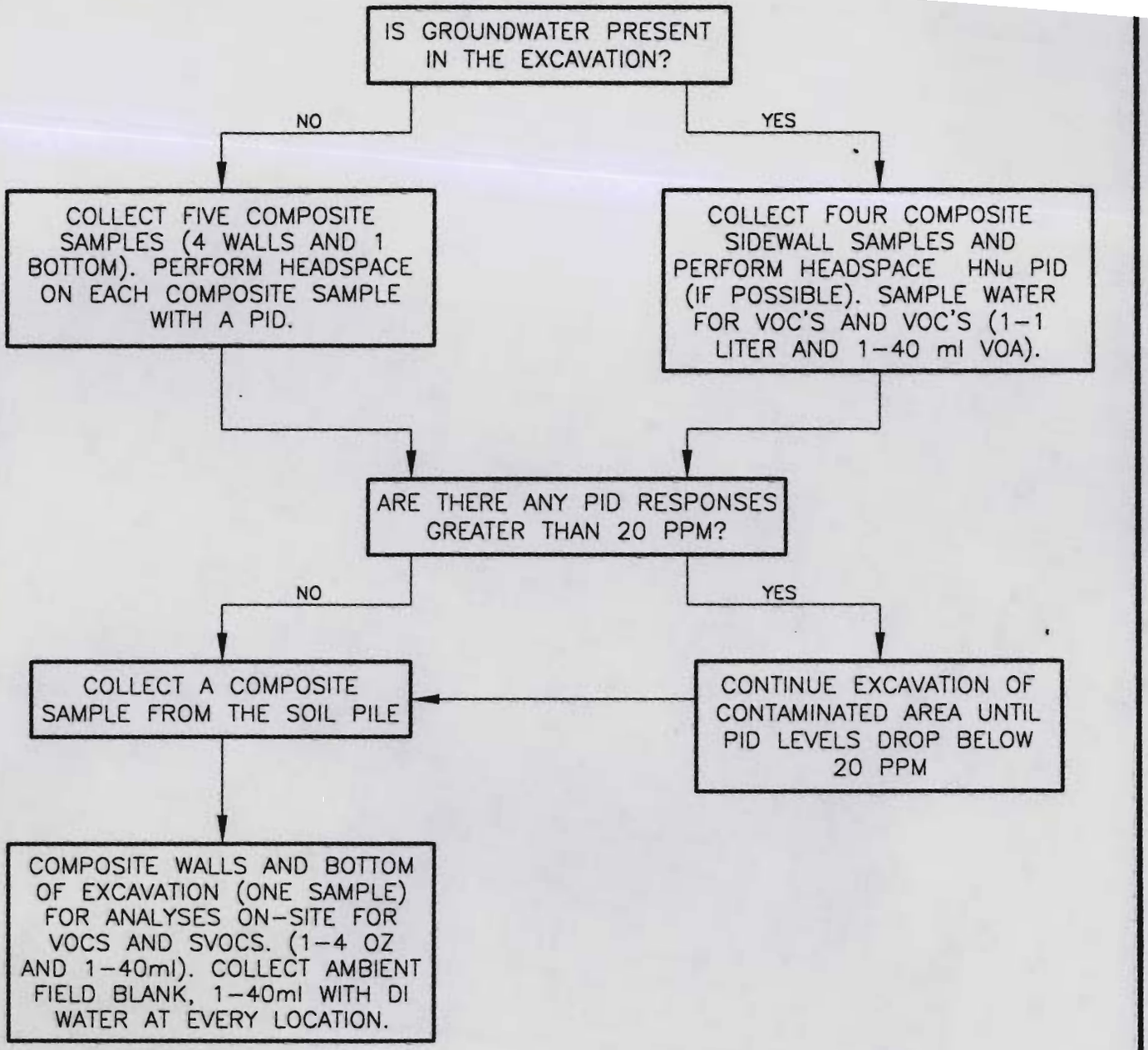
No.	Revision	Date

OHM Remediation Services Corp.
OHM Project No. 17499

Drawn By:	Checked By:	Approved By:
D.L./M.D.W.	G. GUIMOND	M. QUINLAN
Date: 3/3/97	Scale: AS SHOWN	Drawing No. 17499-B11

FIGURE 9
OWS, SPT, AND AST LOCATIONS - AREA 4
OWS, SPT, AND AST REMOVAL
PLATTSBURGH AIR FORCE BASE, NEW YORK
PREPARED FOR
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS

revision 0
Scale: 1 = 1



NOTE:

A SPLIT SAMPLE AND EQUIPMENT RINSATE WAS COLLECTED AT A FREQUENCY OF 10%, OR EVERY 10 SAMPLES. THESE SAMPLES WERE SHIPPED TO ESS FOR ANALYSIS. DUPLICATE SAMPLES WERE COLLECTED AT A FREQUENCY OF 5% OR EVERY 20 SAMPLES. DUPLICATE SAMPLES WERE ANALYZED ON-SITE.

OHM Remediation Services Corp.

OHM Project No. 17499

Drawn By:	Checked By:	Approved By:
M.WARNICK	G.GUIMOND	M.QUINLAN
Date:	Scale:	Drawing No.
3/3/97	AS SHOWN	17499-A31

FIGURE 10

SAMPLE FLOW CHART

PLATTSBURGH AIR FORCE BASE, NEW YORK

PREPARED FOR

AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE

BROOKS AIR FORCE BASE, TEXAS

CAD File: 17499-A31

Plot Scale: 1 = 1 revision 0

APPENDIX A
MAGNETOMETER SURVEY RESULTS

APPENDIX A - SUBINDEX

A1 - UST INVESTIGATION REPORT DATED MARCH 26, 1996
A2 - "SIDE BY SIDE" HOUSING SURVEY
A3 - TANK SURVEY/NEVADA OVAL
A4 - TANK SURVEY

APPENDIX A1
UST INVESTIGATION REPORT DATED MARCH 26, 1996

OHM Remediation
Services Corp.
A Subsidiary of OHM Corporation

March 26, 1996

Mr. Joseph Szot
AFC Field Engineer
AFCEE/DAE
426 US Oval, Suite 2210
Plattsburgh, NY 12903

RE: UST INVESTIGATION
PLATTSBURGH AFB, NEW YORK
CONTRACT NO. F41624-94-D-8106
DELIVERY ORDER NO. 0006
DOCUMENT CONTROL NO. D006028

Dear Mr. Szot:

This letter report summarizes the results of the geophysical study conducted at the Plattsburgh Air Force Base (AFB) in Plattsburgh, New York.

1.0 INTRODUCTION

OHM Remediation Services Corp. (OHM), a wholly owned subsidiary of OHM Corporation, was tasked by the Air Force Center for Environmental Excellence (AFCEE) under Delivery Order 0006 to conduct a preliminary geophysical study to determine if underground storage tanks (USTs) still exist at the unoccupied housing of the old section of the Base, according to Base records. The USTs consist of 275- or 550-gallon steel tanks which were used to store heating oil. Previously, these tanks were replaced with 1,000-gallon fiberglass tanks. However, it is unknown how many of the steel tanks were actually removed during the replacement since the new tanks were installed in a different location than the previous steel tanks.

2.0 SCOPE OF WORK

The objective of the preliminary geophysical study was to determine if steel USTs still exist at the military housing unit. OHM performed a preliminary geophysical study using a variety of instruments at different housing developments. From that study, a determination was made as to the most effective instrument for the existing site conditions. The instrument(s) were then used to study/scan other housing locations on the Base. If suspect UST locations were identified, test pit excavations were conducted to verify the geophysical results as directed by Base personnel.

3.0 FIELD PROCEDURES

The following sections highlight the activities associated with the UST investigation. These activities included both non-intrusive and intrusive studies.

3.1 GEOPHYSICAL STUDY

The preliminary geophysical study was conducted at Plattsburgh AFB the week of February 20, 1996. One of the initial activities of this study was to scan potential UST locations identified on Figure 1 with the handheld magnetic gradiometer (Schonstedt 52C). These 12 locations were identified during a previous magnetic study using a less sensitive flux gate magnetometer.

Once a further evaluation of the subsurface conditions was conducted at these locations, other locations shown on Figure 1 were evaluated. At this point, several different types of geophysical equipment were used to determine the effectiveness of the equipment in identifying potential USTs. This equipment included the following:

- GEM GSM 19 Gradiometer (GEM 19)--This is a proton procession gradiometer/magnetometer capable of detecting minute changes in the earth's magnetic field and storing the data within the equipment's internal memory for later transfer to a field computer.

- Schonstedt 52C Magnetic Gradiometer (52C)--This equipment is a handheld audible unit used to detect localized changes in the earth's magnetic field. Its effective range is limited and, because of this, the 52C is less effected by nearby cultural interferences (i.e., fences, buildings, power lines, etc.).

- Geonics EM 31 (EM 31)--This equipment is an electromagnetic unit which detects changes in the conductivity of the surrounding local area. The equipment emits a secondary electromagnetic field and records the resulting change or distortion of that field caused by the surrounding conditions (i.e., soil type, moisture content, electrical interference, metal objects, etc.).

These three pieces of equipment were used at Building 840A where a potential UST was located. The 52C was used to scan the area by sweeping the sensor back and forth across the ground and listening to the audible tone response. After this was completed, the EM 31 and GEM 19 were used in the same area. Due to the proximity of the building, reinforced concrete slab, and miscellaneous underground utilities (i.e., electrical, sewer, and water), these instruments proved ineffective because of their sensitivity range. Therefore, it was decided to use the 52C exclusively for suspect UST locations adjacent to the buildings.

There were three locations where the GEM 19 was effective in surveying for potential USTs. These locations included Building 856B, former Building 742 (Bachelor Officers Quarters), and former Building 732 (Finance). Building 856B was selected because preliminary sweeps with the 52C indicated that the suspect UST location may be far enough away from the building for the GEM 19 to be used. The other two locations were where buildings previously existed and it is uncertain if the USTs were removed when the buildings were raised.

The field procedure for obtaining gradient data with the GEM 19 was similar for all three locations. This procedure included the following activities:

- Identify the area in which the suspect UST should be located (this was accomplished using existing building drawings when available)

- Determine the proper grid spacing appropriate for the size of the object in question and area of concern (typically, a 10-foot-by-10-foot grid or smaller was used)

- Lay out the grid system in the field using colored pin flags
- Conduct the gradient study using the GEM 19, then transfer the stored information to the field computer for processing.

In addition to the locations previously mentioned, several housing buildings were visited and a magnetic sweep was conducted using the 52C. The results of these sweeps are summarized in Section 4.0.

3.2 TEST PIT ACTIVITIES

The second phase of the investigation was to conduct test pit activities to identify the cause of the magnetic anomalies detected during the geophysical study. OHM had authorization from the Air Force to conduct a few test pits within the housing development. If an UST was discovered during the test pit activities, OHM was directed by the AFCEE Field Engineer to remove the tank and conduct verification sampling in the excavation according to the UST removal work plan. The results of the test pit activities are presented in Section 4.0.

4.0 RESULTS

As mentioned previously, several housing developments were studied to determine if abandoned USTs were still present, as well as two previously removed building areas as shown on Figure 1. Once this was completed, test pit activities were initiated to verify the geophysical results. The findings of these two phases are presented in the following paragraphs.

4.1 HOUSING DEVELOPMENT STUDY

Several housing developments were studied using the 52C gradiometer as shown on Figure 1. The other geophysical instruments proved to be ineffective because of the close proximity of utility lines and buildings. The results of this study are summarized in Table 1. As can be seen, there are several houses with suspect USTs still present, however, due to the close proximity of the utility lines, concrete foundation, and building itself, a positive identification cannot be made.

A pilot study was conducted at House No. 856B using the GEM 19 because preliminary indications showed that the UST (if present) may be far enough away from the house to be detected. The results of this study are presented on Figure 2. As can be seen from the gradient contours, the house's influence on the instrument was extensive. There appears to be a slight subsurface anomaly located at Line 9 and Position 13.5 (L-9, P-13.5). This could represent the location of the previous UST, however due to the low magnitude of the results, it appears that the UST had been removed and all that remains is possibly the tank straps and tank pad.

4.2 REMOVED BUILDING UST STUDY

As discussed in Section 3.0, a gradient study was conducted to determine if USTs still exist at the locations of two raised buildings. The buildings included Buildings 742 and 732. Due to the lack of any nearby buildings or structures, the GEM 19 was used for this study.

The first area studied was the previous location of Building 742. This area now consisted of a flat, grassy section surrounded on three sides by asphalt as shown on Figure 3. A drawing retrieved from the records building indicated the previous location of the building and the location of the UST (also shown on Figure 3).

Although there does not appear to be any magnetic anomalies at the approximate tank location, several anomalies are present within the area studied. These anomalies were scanned with the 52C to further define their location and size. The results are presented in Table 2.

In addition to the above, a small isolated magnetic anomaly was detected at L-130, P-70. This location is slightly west of where the UST is estimated to be, however, the UST and building locations were scaled off of a large-scale Air Force drawing which was reproduced from an original. The actual building location could be slightly off and the anomaly at L-130, P-70 could be the UST, tank straps, or left over piping. Because the magnitude of the anomaly is less than 100 gammas, it is more likely that it is tank straps or even left over piping running north, since a larger anomaly exists directly north of its position.

The second area studied was in the vicinity of the former finance office (Building 732). Initially, it was believed that the building previously existed adjacent to the asphalt access road northeast of Building 742. An existing footer was present in the area which confirmed that belief. Therefore, a grid system was established and gradient data collected on 10-foot centers using the GEM 19.

The results of the gradient study are presented in Figure 4. There were numerous small isolated anomalies within the area representing possible construction or demolition fill. One large anomaly was located at L-1010, P-111. This anomaly is large enough to represent an UST. Again, the building shown on the figure is approximate and could actually have been in a slightly different location.

While the gradient data was being collected, a search for the building drawing was being conducted at the Records Building. Unfortunately, the drawing of the area was found after the study was complete. What the drawing presented was the building layout shown on Figures 1 and 4. As can be seen from these figures, the existing foundation was actually the remains of Building 665 and Building 732 was previously located approximately 180 feet west of the geophysical study area. With this new information, another geophysical study was conducted at the proper location.

Distance measurements were scaled from the drawing and the boundary of Building 732 was marked in the field. A magnetic sweep was conducted on the side of the building which contained the fireplace. Based on the configuration of other buildings, this was the most probable location for the UST since the actual location was not illustrated on the drawing. Due to the presence of a chain-link metal fence running through the middle of the study area, it was decided to use the 52C to scan the area. Small isolated buried pieces of metal were detected, however, there were no indications of existing USTs present.

4.3 TEST PIT RESULTS

Upon completion of the geophysical study, several locations were selected for test pit activities. The first location selected was Building 805A. The indications from the magnetics sweep were good that an UST was present. After the electric company de-energized the power to the building, the backhoe began excavating at the possible tank location. The results of the test pitting revealed that the UST had been removed, however, the metal tank straps and concrete ballast pad were still present.

The second location selected for test pitting activities was Building 825A. Here an existing UST was uncovered as shown on Figure 5. While the excavation was being conducted, several nearby lines were uncovered, including a sanitary drain line, electrical line, and two copper fuel lines. These lines, if present at other locations, would cause major magnetic interferences and tend to mask out magnetic responses from the UST if present. Therefore, confirmation of an existing UST may be difficult without conducting test pitting activities. The UST at Building 825A was later removed using the protocols established in the project plans.

Since an UST was discovered at Building 825A, a test pit was excavated at Building 825B to see if this tank also exists. The geophysics study did not indicate the presence of an UST, and this was confirmed with the test pit; however, several underground lines were uncovered.

Two other test pits were excavated at possible UST locations. These included Building 884A and Building 829B. The geophysical results of these buildings indicated the possibility that the USTs were still present, however, the test pit operations did not find any USTs in these areas. The Building 829B test pit uncovered the tank straps and ballast pad and the Building 884A test pit found scrap metal and miscellaneous construction debris.

5.0 CONCLUSION

Several buildings within the old section of the Plattsburgh AFB were studied using geophysical techniques to determine if USTs still exist. Due to the proximity of adjacent buildings and underground utility lines, the geophysical study was limited to magnetics using the 52C. Where no buildings now exist, the GEM 19 was used.

The geophysical results, as discussed in Section 4.0, identified several potential UST locations. Test pit operations identified only one UST out of the five pits excavated, however, one location (Building 825B) was used to verify the geophysical results that no UST was present. The existing utility lines, tank straps, and building foundations made it impossible to give a positive identification of existing USTs. With the discovery of a remaining UST, positive verification of remaining tanks can only be made with test pitting operations.

If you have any questions or need additional information, please call me at 518/562-3423.

Sincerely,

Kenneth W. Kukkonen

Kenneth W. Kukkonen, P.E.
Sr. Project Manager

KWK:pjc
Attachments

pc: G. Duke, OHM (1 copy)
J. Green, OHM (1 copy)
J. Johnson, AFCEE/ERB (1 copy)
D. Meeks, HSC/PKVCC (1 copy)
J. Whelan, OHM (1 copy)
OHM Project File 17499

TABLES

TABLE 1

GEOPHYSICAL SWEEP RESULTS
SCHONSTEDT 52C GRADIOMETER
PLATTSBURGH AIR FORCE BASE HOUSING

House No.	*House Type**	*Gradiometer Sweep Results*
805A	TH	Possible UST or piping away from house
813B	TH	Good indication of UST adjacent to 18-inch-diameter tree
820A	CYH	No indication of UST other than underground piping
820B	CYH	No indication of UST
824A	TH	No indication of UST other than underground piping
825A	CYH	Possible UST or piping adjacent to house foundation
825B	CYH	No indication of UST
829B	CYH	Possible UST or piping
840A	TH	Small anomaly - possibly piping or tank strap remains
841A	TH	Possible UST or piping, however size seems slightly smaller
849A	CYH	Possible UST or piping (indications of filler pipe above UST)
855B	TH	No indication of UST, however, indication of tank slab and straps
856B	TH	Possible UST located away from house
861B	CYH	Possible UST or tank straps located away from foundation
864A	CYH	No indication of UST, however, underground pipes mask out possible tank response
872B	TH	No indication of UST, however, there is isolated subsurface metal
875A	CYH	Possible UST or piping adjacent to house foundation
875B	CYH	No indication of UST other than underground piping
884A	CYH	Possible UST or piping
888A	TH	Slight indication of possible UST
892A	CYH	No indication of UST, however, several underground pipes in the area
892B	CYH	No indication of UST other than underground piping
900A	CYH	No indication of UST other than underground piping along the house foundation
912B	TH	No indication of UST, however, small magnetic anomaly (possible tank strap)
940A	TH	No indication of UST

* TH = Tee-Shaped House
CYH = Courtyard House

TABLE 2

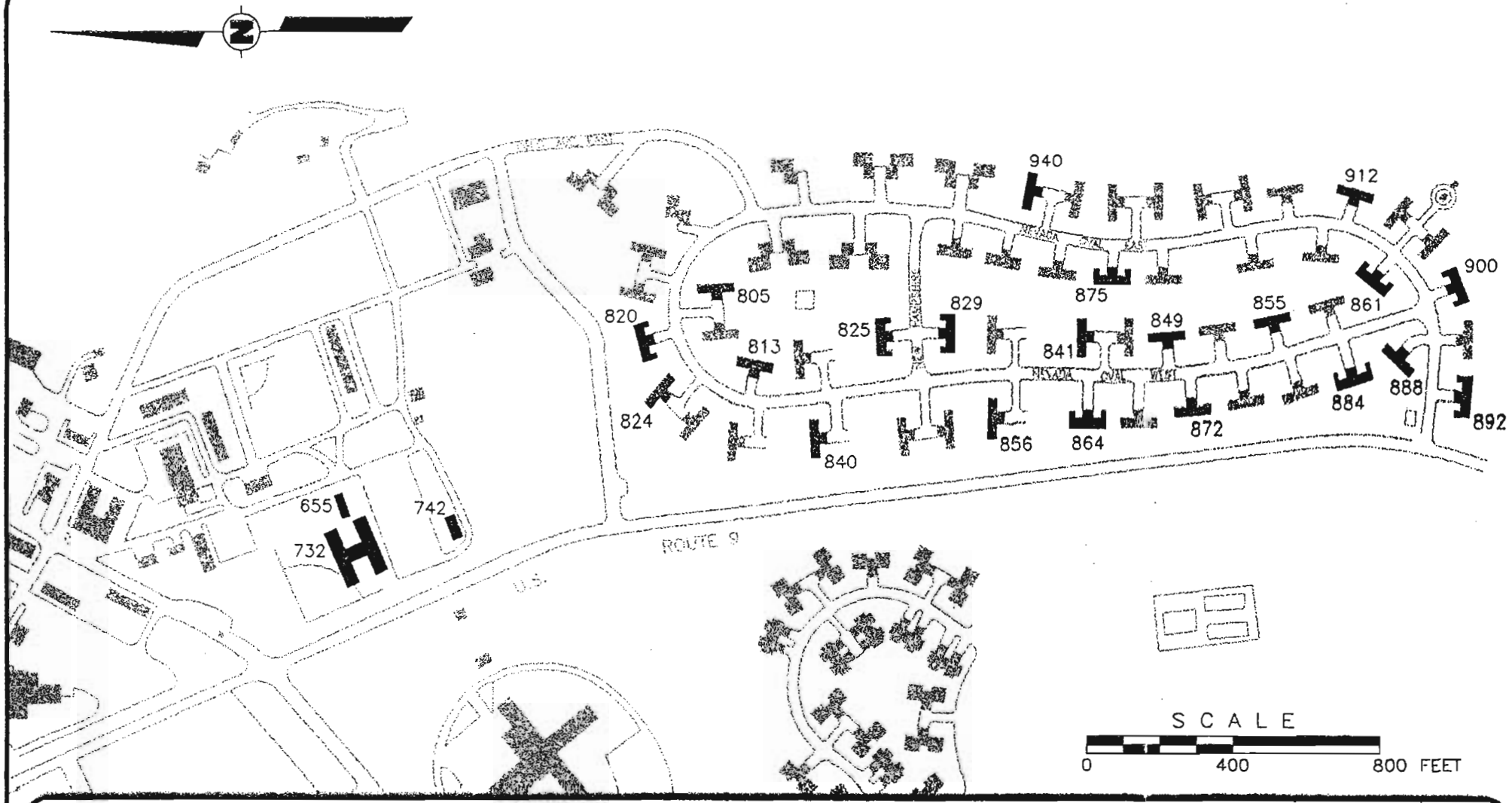
GEOPHYSICAL SWEEP RESULTS
SCHONSTEDT 52C GRADIOMETER
PLATTSBURGH AIR FORCE BASE HOUSING

Line No.	*Position No.*	*Comment*
L-100	P-70	Localized subsurface metal within 12 inches of ground surface
L-105	P-125	Small shallow isolated object (similar to above)
L-135	P-20	Small metal object within 6 inches of surface (could be part of sanitary cleanout riser for previous building and pipe section running along Line L-135 to Position P-0)
L-135	P-50	Small object within 1½ feet of surface (could be part of previous building foundation)
L-140	P-120	Small isolated metal object
L-150	P-130	Steel reinforcing rod protruding from ground surface

FIGURES

Plot Scale: 1 = 400 revision 0

CAD File: 17499-A12



Legend

824 INITIAL GEOPHYSICAL STUDY AREA

820 SUPPLEMENTAL GEOPHYSICAL STUDY AREA

OHM Remediation Services Corp.

OHM Project No. 17499

Drawn By:	Checked By:	Approved By:
M. WARNICK	D. PRINGLE	D. PRINGLE
Date:	Scale:	Drawing No.
3/11/96	AS SHOWN	17499-A12

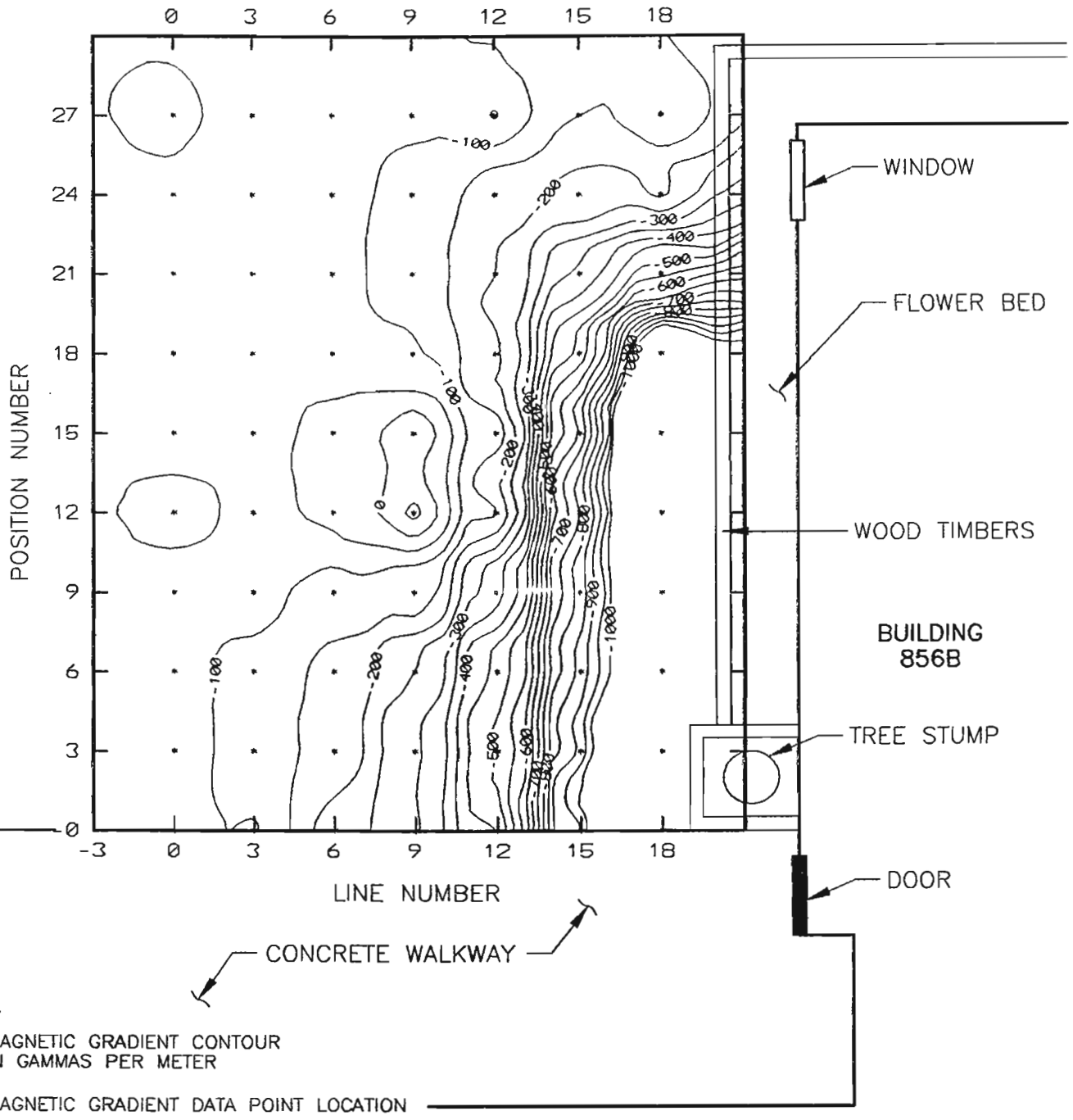
FIGURE 1

SITE LOCATION MAP

GEOPHYSICAL STUDY AREA – UST INVESTIGATION
PLATTSBURGH AIR FORCE BASE, NEW YORK

PREPARED FOR

AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS



LEGEND:

-100- MAGNETIC GRADIENT CONTOUR IN GAMMAS PER METER

* MAGNETIC GRADIENT DATA POINT LOCATION

NOTE:

FOR PLAN LOCATION OF BUILDING 856B SEE FIGURE 1.

SCALE

0 6 12 FEET

OHM Remediation Services Corp.

OHM Project No. 17499

Drawn By:	Checked By:	Approved By:
M.WARNICK	D.W.P.	D.W.P.
Date:	Scale:	Drawing No.
3/7/96	AS SHOWN	17499-A11

FIGURE 2

MAGNETIC GRADIENT STUDY – BUILDING 856B

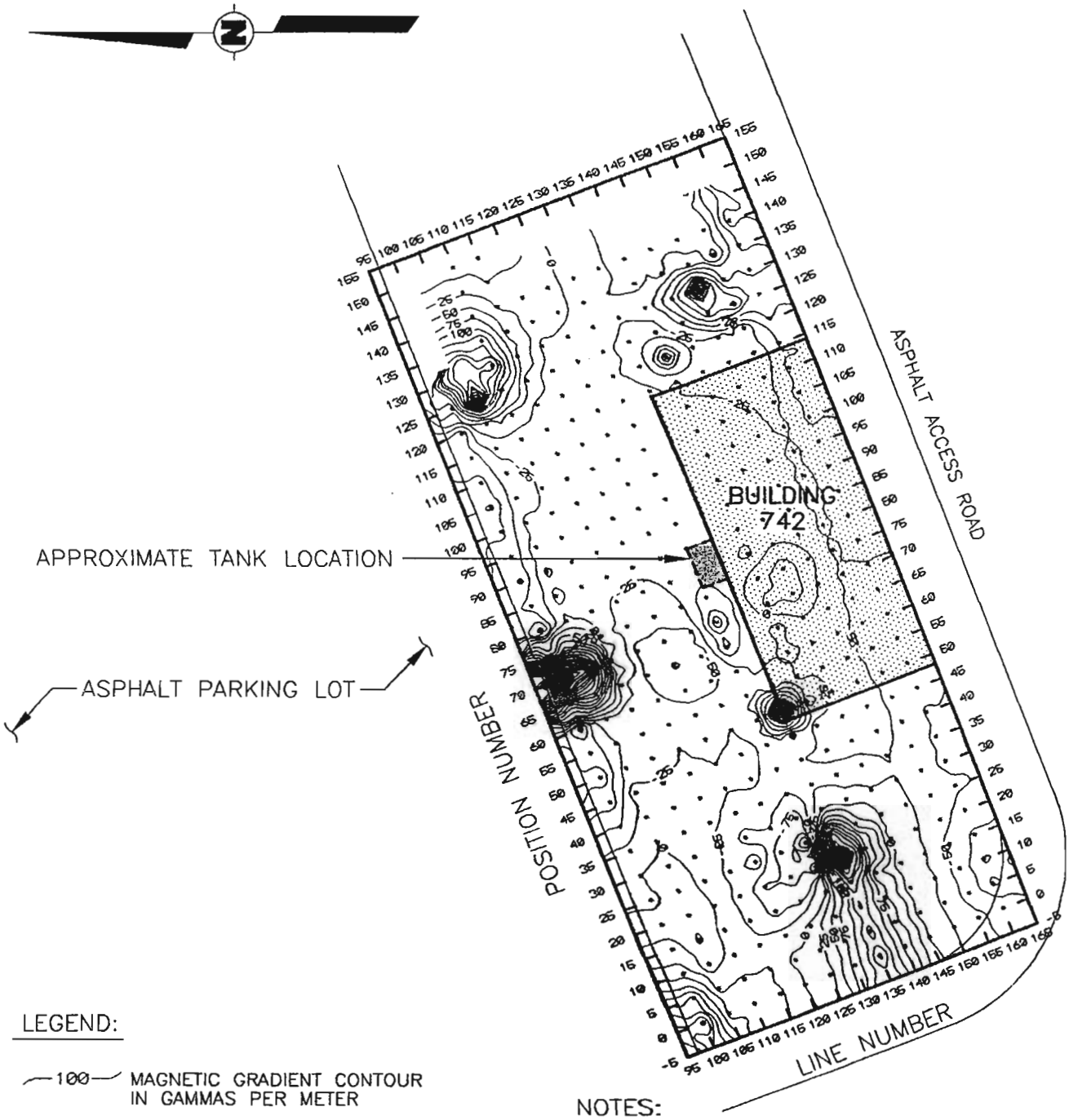
GEOPHYSICAL STUDY AREA – UST INVESTIGATION
PLATTSBURGH AIR FORCE BASE, NEW YORK

PREPARED FOR

AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS

CAD File: 17499-A11

Plot Scale: 1 = 6 revision 0



LEGEND:

- —100— MAGNETIC GRADIENT CONTOUR IN GAMMAS PER METER
- * MAGNETIC GRADIENT DATA POINT LOCATION
- APPROXIMATE TANK LOCATION
- APPROXIMATE BUILDING 742 LOCATION

SCALE

0 30 60 FEET

NOTES:

1. THE LOCATIONS SHOWN FOR THE UNDERGROUND STORAGE TANK AND BUILDING 742 ARE APPROXIMATE AND BASED ON PLAN VIEW DRAWINGS OBTAINED FROM THE BASE RECORDS.
2. BUILDING 742 WAS PREVIOUSLY REMOVED.
3. FOR PLAN LOCATION OF BUILDING 742, SEE FIGURE 1.

OHM Remediation Services Corp.
OHM Project No. 17499

Drawn By:	Checked By:	Approved By:
A. Smith	D. PRINGLE	D. PRINGLE
Date:	Scale:	Drawing No.
3/11/96	AS SHOWN	17499-A14

FIGURE 3

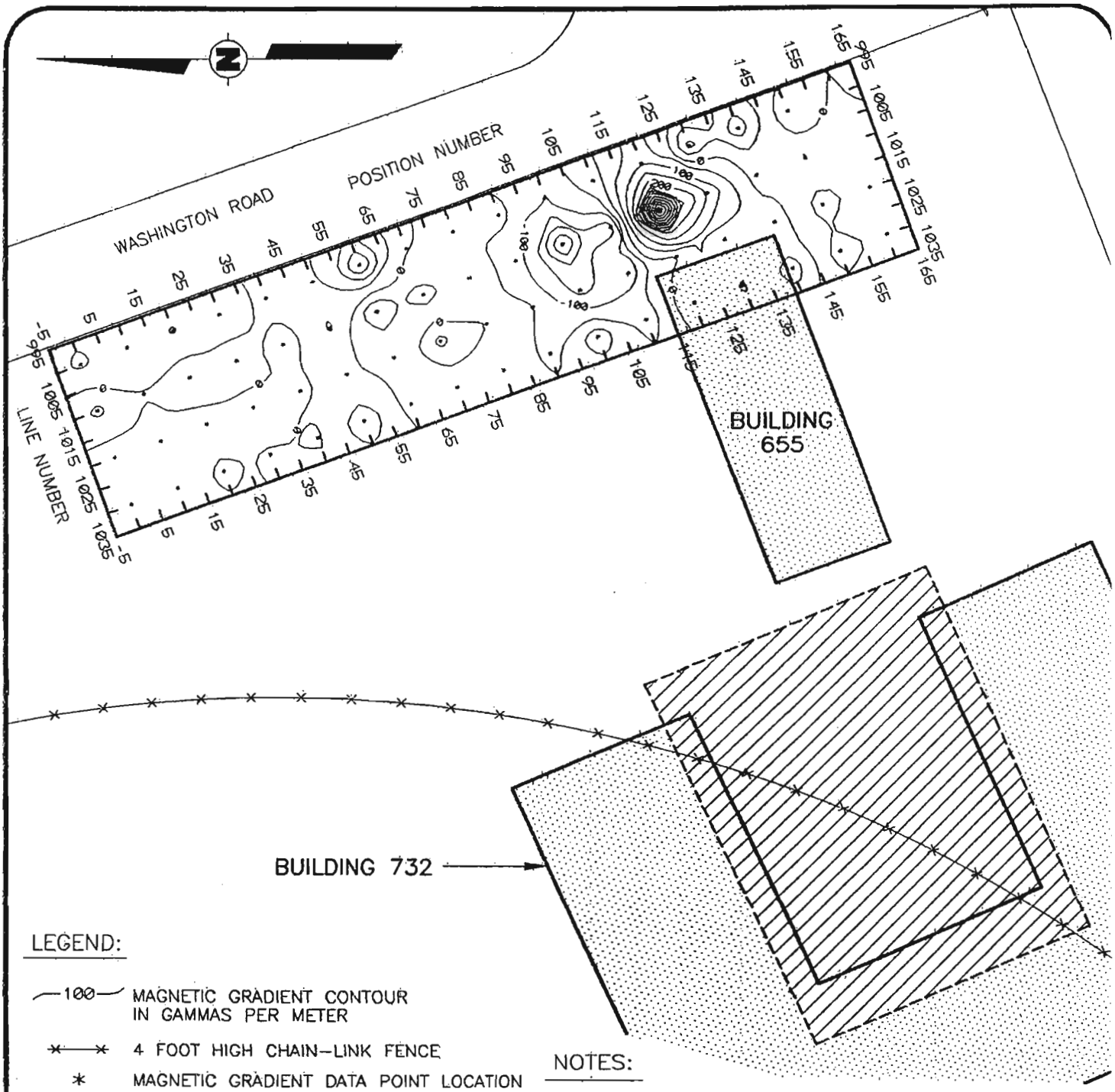
MAGNETIC GRADIENT STUDY – BUILDING 742
GEOPHYSICAL STUDY AREA – UST INVESTIGATION
PLATTSBURGH AIR FORCE BASE, NEW YORK

PREPARED FOR

AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS

CAD File: 17499-A14

Plot Scale: 1 = 30 revivion 0



LEGEND:

- —100— MAGNETIC GRADIENT CONTOUR IN GAMMAS PER METER
- 4 FOOT HIGH CHAIN–LINK FENCE
- MAGNETIC GRADIENT DATA POINT LOCATION
- MAGNETIC SWEEP AREA (52C)
- APPROXIMATE BUILDING LOCATION

SCALE

0 30 60 FEET

NOTES:

1. THE LOCATIONS SHOWN FOR BUILDINGS 732 AND 655 ARE APPROXIMATE AND BASED ON DRAWINGS OBTAINED FROM THE BASE RECORDS.
2. BUILDINGS 732 AND 655 WERE PREVIOUSLY REMOVED
3. FOR PLAN LOCATIONS OF BUILDINGS, SEE FIGURE 1.

CAD File: 17499-A13

Plot Scale: 1 = 30 revision 0

OHM Remediation Services Corp.

OHM Project No. 17499

Drawn By:	Checked By:	Approved By:
A. Smith	D. PRINGLE	D. PRINGLE
Date:	Scale:	Drawing No.
3/11/96	AS SHOWN	17499-A13

FIGURE 4

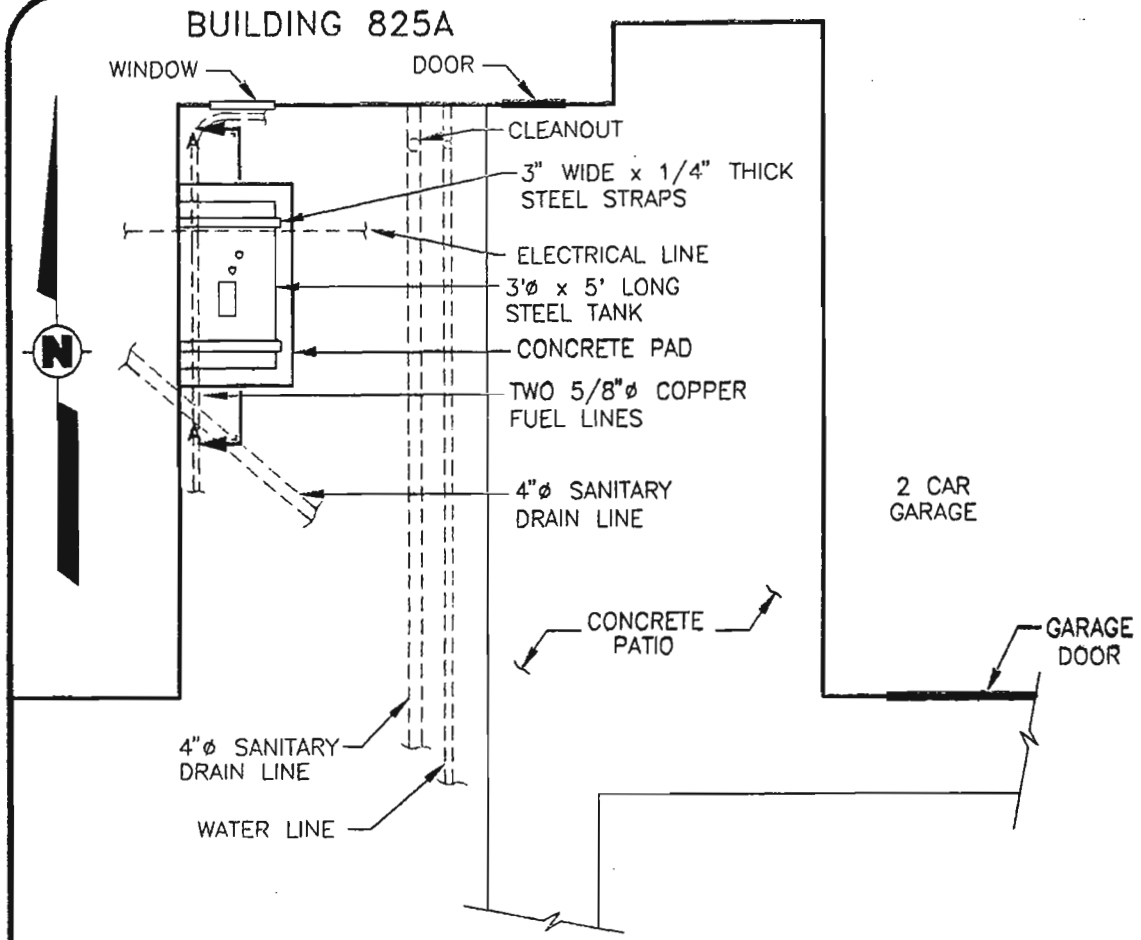
MAGNETIC GRADIENT STUDY – BUILDINGS 732 AND 655
GEOPHYSICAL STUDY AREA – UST INVESTIGATION
PLATTSBURGH AIR FORCE BASE, NEW YORK

PREPARED FOR

AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS

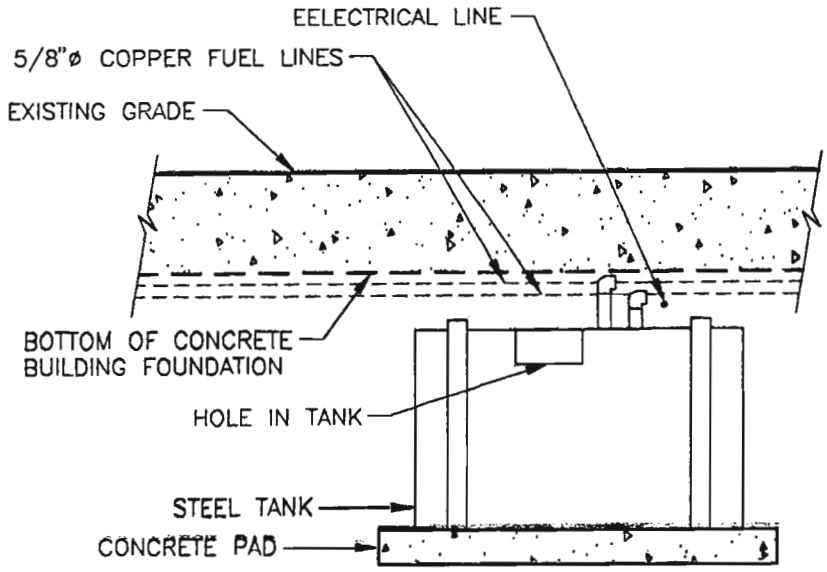
Plot Scale: 1 = 6 revision 0

CAD File: 17499-A15



PLAN VIEW

1" = 6"



SECTION A-A

N. T. S.

Note

FOR LOCATION OF BUILDING 825A, SEE FIGURE 1.

OHM Remediation Services Corp.

OHM Project No. 17499

Drawn By:	Checked By:	Approved By:
M. WARNICK	D. PRINGLE	D. PRINGLE
Date:	Scale:	Drawing No.
3/11/96	AS SHOWN	17499-A15

FIGURE 5

MAGNETIC GRADIENT STUDY - BUILDING 825A

GEOPHYSICAL STUDY AREA - UST INVESTIGATION

PLATTSBURGH AIR FORCE BASE, NEW YORK

PREPARED FOR

AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE

BROOKS AIR FORCE BASE, TEXAS

APPENDIX A2
"SIDE BY SIDE" HOUSING SURVEY

"SIDE BY SIDE" HOUSING

805 A	Reading present
813 B	Readings **strong** run under large pine tree
824 A	Reading present
840 A	Readings present - are strong in flower bed
841 A	Reading present
855 B	Readings present but slightly weaker than other areas
856 B	Readings present but further west of sewer line than most areas
872 B	Readings present - ground looks previously disturbed
885 A	Readings present - test dug to 3' (approximately) before stopped - found crimped copper tubing coming from building
888 A	Readings present - but slightly weaker than other areas
912 B	Readings present - but slightly weaker than other areas
924 A	Readings present - ground looked previously disturbed before a test. Dig tests dug area to approximately 6-6 ½' . Copper tubing concrete footers strapping, partial straps connected to footers, and "paper board" fibrous materials were all found inside excavation. Head space samples of grey clay in bottom of excavation came out at 200 + PPM's.
940 A	Readings present - ground looks previously disturbed

"Courtyard" Style Housing

825 A	Readings present
875	Readings present
892 B	Readings present - seem stronger than others

OHM Remediation Services Corp.

COMPUTATION SHEET

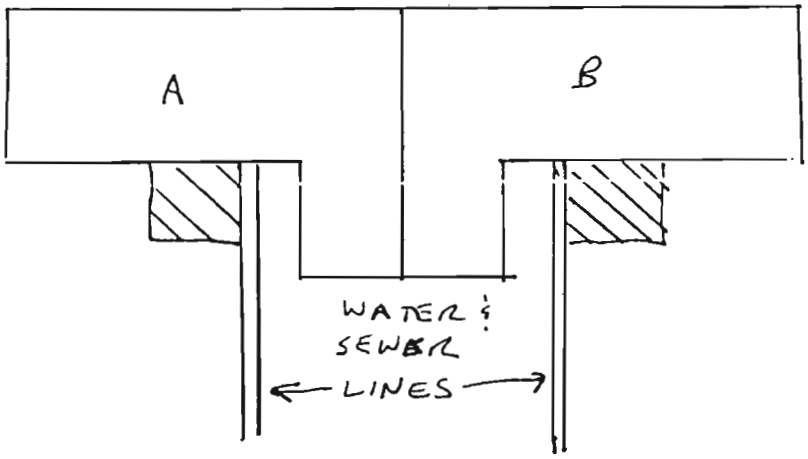
Form No. 0048
Midwest Tech. Servs.
Rev. 08/89

Page _____ of _____

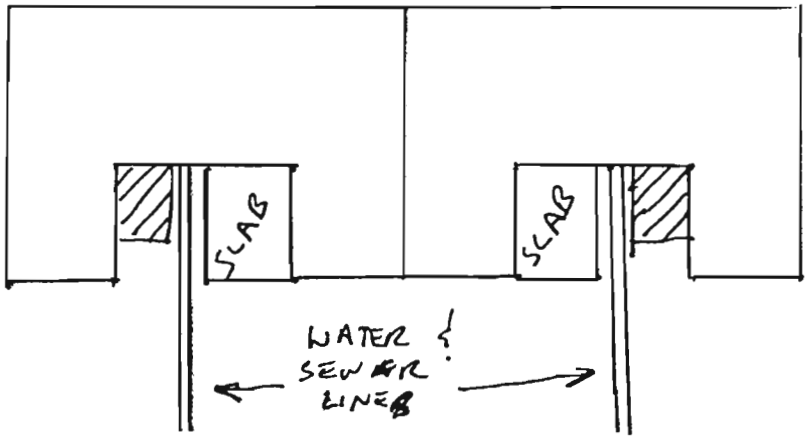
Proj. No.	Client	Location	Subject
17499	AFCEE	PLATTS. AFB	800 & 900 SERIES HOUSING

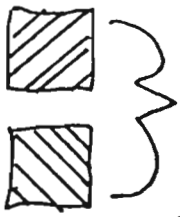
Preparer's Initials	Date	Reviewer's Initials	Date	Approver's Initials	Date
SJS	1-25-96				

"SIDE BY SIDE" HOUSING



"COURTYARD" STYLE





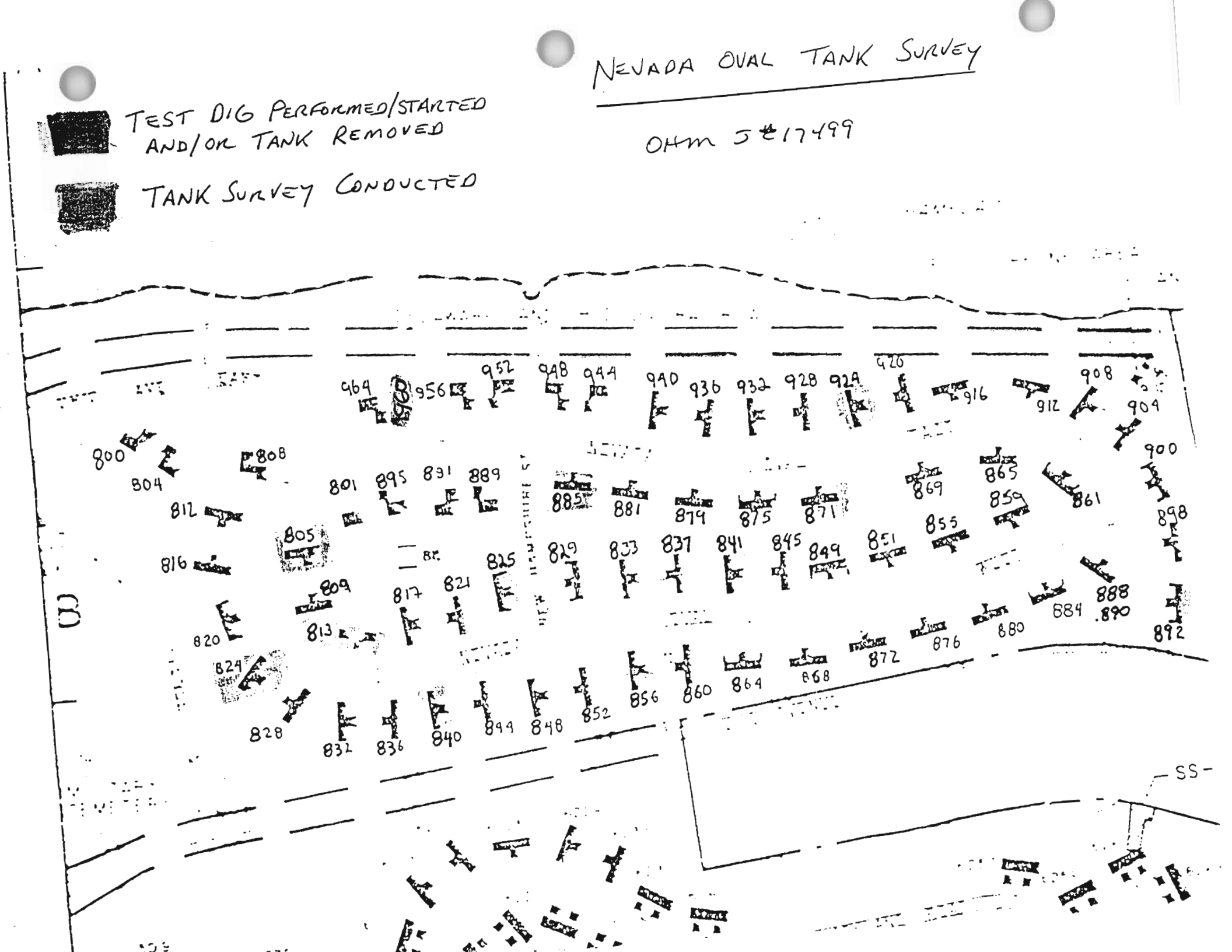
AREA OF READINGS (MAY VARY SLIGHTLY)

NEVADA OVAL TANK SURVEY

OHM J#17499

TEST DIG PERFORMED/STARTED AND/OR TANK REMOVED

TANK SURVEY CONDUCTED



APPENDIX A3
TANK SURVEY/NEVADA OVAL

TANK SURVEY/NEVADA OVAL

1/24/96-2/21/96	805A Readings present-Test excavation revealed no tank-head space samples clean.
3/12/96	809A Strong readings, spread out over area larger than tanks.
3/12/96	812A Weak readings under large bush.
1/24/96-2/21/96	813B Readings strong under large pine tree. Tree would have to be removed before exploratory dig.
3/12/96	816A Weak readings.
3/12/96	817 Readings present/sporadic.
2/23/96	820A (courtyard)Weak readings, tank unlikely.
2/23/96	820B (courtyard)Weak readings, tank unlikely.
3/12/96	821 Readings present.
1/24/96-2/21/96	824 Readings present/sporadic, tank unlikely.
1/24/96	825A (courtyard)Readins present-Test excavation revealed tank and contaminated soil. Contaminated soil, the floor, was removed and excavation sampled.
2/23/96 pad,	825B Readings weak, tank unlikely. Test excavation revealed no tank. Tank straps, and copper tubing were found. Soil in excavation contained brick and blue tile. All head space samples were clean.
3/12/96	828A Readings weak under large bush.
2/23/96	829B Readings present. Test excavation revealed no tank. One head space sample (north wall) was hot (> 20ppm). North wall was excavated back about one foot and came back clean. Excavation was sampled.
3/12/96	832A Strong readings present confined to a small area. (smaller than tank)
3/12/96	833A Strong readings starting six feet from sewer at four feet from wall. Possible tank. White stenciled letters on wall. 833A, 275 Gal.
3/12/96	836A Possible fill or tank top pipe present. Strong readings drop three to three

	and a half feet from pipe heading east. Tank possible.
3/12/96	837A Readings present/sporadic, tank unlikely. R.R./garden ties may be interfering.
1/24/96-2/21/96	840A Readings present/sporadic.
1/24/96	841A Readings present.
3/12/96	845A Readings sporadic, R.R./garden ties in area.
3/12/96	848A Readings strong in a four by four area about ten feet from house three feet from sewer line clean-out. Found piece of blue tile on ground consistent with tile found in 325B and 884A excavations.
2/23/96	849A (courtyard) Strong readings, tank likely.
3/12/96	852A Readings weak.
3/12/96	851B Readings strong starting about six feet from wall at four feet from sewer line. Possible tank. White stenciling on wall-275, 55
1/24/96-2/21/96	856B Readings present, further west away from sewer pipe than most areas.
1/24/96 2/21/96	855B Readings present, weak and sporadic, possibly deeper than most areas.
3/12/96	859A Readings present/sporadic.
3/12/96	860A Readings present.
2/23/96	861B(courtyard) Possible pipe, tank strap, or tank two to three feet from the surface.
2/23/96	864A(courtyard) Subsurface line along foundation masking readings.
3/12/96	865A Readings present/sporadic.
3/12/96	868A Strong readings. Drop-off in shape of a square.
3/12/96	869A Readings strong.
	871A Tank removed.

1/24/96 2/21/96	872B	Readings present/sporadic, ground looks previously disturbed.
1/24/96 2/21/96	875A	(courtyard) Readingspresent possible tank.
3/12/96	876A	Readings present/sporadic.
3/12/96	879A	Some readings/sporadic.
3/12/96	880A	Strong readings, drop-off north to south .Stenciling on wall-55, 275, 880A
3/12/96	881B	Readings sporadic.
2/23/96	884A	(courtyard) Strong readings -test excavation reaveled no tank. Found slab, piping, straps. Soil in the excavation contained bricks and blue tile similar to excavation 825B. Original head space samples were hot. Removed two feet around and cleaned up bottem of excavation. Head space samples then came back clean and samples were taken.
1/24/96	885A	Readings weak and sporadic.
1/24/96 2/21/96	888A	Readings weak and sporadic.
1/24/96 2/23/96	892B	(courtyard) Readings strong but sporadic.
3/12/96	896B	Strong readings/drop-off at five feet in length. Possible tank.
2/23/96	900A	Readings present, indicate piping.
3/12/96	904A	Readings sporadic.
3/12/96	908A	Some strong readings spread out indicating piping or straps.
3/12/96	912B	Small, weak, sporadic readings.
3/12/96	916A	Weak readings.
3/12/96	920A	Weak sporadic readings.
1/24/96	924A	Readings present/ ground looks previously disturbed. Test excavation revealed no tank but produced slab, straps, and piping. Excavation head space samples were hot dug back south and west walls to clean soil. North wall is up to

house foundation. The east wall is still hot and up to the sidewalk. The excavation is down to ground water level. Sewer pipe was cracked so line was plugged to prevent possibly contaminated waters from entering sewer system.

3/12/96	928A	Strong readings, old fuel meter still on house.
3/12/96	932A	Readings weak/sporadic.
3/12/96	936A	Strong sporadic readings.
3/12/96	940A	Readings present/ ground previously disturbed.

APPENDIX A4
TANK SURVEY

TANK SURVEY

DATE	TANK	READING LEVEL 1-5+	TEST DIG PERFORMED	COMMENTS
01/24/96	805A	3	Yes	Test excavation revealed pad and straps, no tank. Head space samples were clean.
& 2/21/96				
3/12/96	809B	4	No	Readings spread out over area larger than 550 gal. tanks.
3/12/96	812A	2	No	Readings under large bush.
1/24/96	813B	5	No	Readings under large tree, tree would need to be removed.
&2/21/96				
3/12/96	816A	1	No	
3/12/96	817 A	2-3	No	Readings sporadic.
2/23/96	820A	1-2	No	
2/23/96	820B	1-2	No	
3/12/96	821A	3	No	Readings sporadic.
1/24/96	824A	3	No	Readings sporadic.
&2/21/96				
1/24/96	825A	5	Yes	Removed tank 2/21/96. Tank was full of soil, excavation floor was contaminated. Hot soil was removed and excavation sampled.
2/23/96	825B	1	Yes	Test excavation revealed no tank. Tank straps, tubing, and clean soil were found. Brick and blue tile were also found.
3/12/96	828A	1-2	No	Readings under large bush.
2/23/96	829B	4-5	Yes	Test excavation revealed no tank. North wall was contaminated, and dug back about one foot. Excavation was then clean and sampled.
3/12/96	832A	4-5	No	Readings confined to an area smaller than most tanks.
3/12/96	833A	5	No	Readings start six feet from sewer at four feet from wall. Possible tank. White stenciled letters on the wall, 833A, 275 gal..
3/12/96	836A	4-5	No	Possible tank fill pipe present. Readings drop off three feet from pipe heading east.
3/12/96	837A	3	No	Readings sporadic, R. R./garden ties may be interfering.
1/24/96	840A	3	No	Readings sporadic.
&2/21/96				

TANK SURVEY

DATE	TANK	READING LEVEL 1-5+	TEST DIG PERFORMED	COMMENTS
1/24/96	841A	3	No	Readings sporadic.
3/12/96	844A	4	No	Readings pick up and drop off from east to west starting about three feet from sewer line. Possible tank, strap, or pipe.
3/12/96	845A	2	No	Readings sporadic.
3/12/96	848A	3	No	Readings strong in a 4'x4' area 10' from sewer line clean out. Found piece of blue tile on ground consistent with tile found at 825B and 884A test digs.
2/23/96	849A	4-5	No	Courtyard-style house.
3/12/96	852A	1	No	
3/12/96	851B	5	No	Readings start 6' from wall at 4' from sewer line. Stenciling on wall-275, 55.
1/24/96&	855B	3	No	
2/21/96				
1/24/96&	856B	3	No	
2/21/96				
3/12/96	859A	3	No	Readings sporadic.
3/12/96	860A	3	No	
2/23/96	861B	3-4	No	Courtyard-style house. Possible pipe strap, or tank 2'-3' from surface.
2/23/96	864A	2	No	Courtyard-style house.
3/12/96	865A	2-3	No	Readings sporadic.
3/12/96	868A	4-5	No	Readings drop off in the shape of a square.
3/12/96	869A	4	No	
1/5/96	871A			Tank removed.
1/24/96&	872B	2-3	No	Readings sporadic, ground looks previously disturbed.
2/21/96				
1/24/96&	875A	4	No	Courtyard-style house.
2/24/96				
3/12/96	876A	2	No	Readings sporadic.
3/12/96	879A	2	No	Readings sporadic.
3/12/96	880A	4-5	No	Readings drop off north to south. Stenciling on wall-55,275,880A.
3/12/96	881B	1-2	No	Readings sporadic.
2/23/96	884A	4-5	Yes	Courtyard-style house. Excavation revealed no tank. Found slab, straps,

TANK SURVEY

DATE	TANK	READING LEVEL 1-5+	TEST DIG PERFORMED	COMMENTS
				copper piping. Backfill had bricks and blue tile similar to 825B. Original head space samples were hot. Removed 2' around excavation and cleaned up bottom of excavation. Subsequent head space samples were clean. Excavation revealed straps only. Readings sporadic.
1/24/96	885A	4	Yes	
1/24/96& 2/21/96	888A	1	No	
1/24/96	892A	4	No	Courtyard-style house. Readings sporadic.
3/12/96	896B	4-5	No	Readings drop off at 5' in length, possible tank or pipe.
2/23/96	900A	3	No	Courtyard-style house. Readings sporadic.
3/12/96	904A	3	No	Readings sporadic.
3/12/96	908A	4	No	Readings sporadic.
3/12/96	912B	1	No	
3/12/96	916A	1	No	
3/12/96	920A	2-3	No	Readings sporadic.
1/24/96	924A	4-5	Yes	Ground looked previously disturbed before test dig. No tank found. Slab, straps, and tubing were present. Original head space samples were hot. Excavated south and west walls to clean soil. The north wall was dug up to house foundation. The east wall is still hot and up to the sidewalk. OHM was instructed to stop at this point. The bottom of the excavation is down to ground water. The sewer line was cracked during the operation. The line was cut and plugged to prevent possibly contaminated waters from entering the sewer system. Old fuel meter present on house.
3/12/96	928A	4-5	No	Readings sporadic.
3/12/96	932A	1	No	
3/12/96	936A	3-4	No	Readings sporadic.
1/24/96	940A	3	No	Readings sporadic, ground looks previously disturbed.

TANK SURVEY

DATE	TANK	READING LEVEL 1-5+	TEST DIG PERFORMED

COMMENTS

NOTE: Areas surveyed in the 800-900 series is smaller than a 15'x15' box surrounded by the foundation, sewer line, newer tank, newer tank vent line, and the conduit for the newer tank level alarm, all capable of causing interference with the magnetometer.

TANK SURVEY

DATE	TANK	READING LEVEL 1-5+	TEST DIG PERFORMED	COMMENTS
5-23-96	805B	3	No	Readings sporadic.
	809A	3	No	Readings sporadic.
	812B	3	No	Readings start along large bush and drop off quickly - smaller than tank.
	813B	3-4	No	Strong sporadic readings.
	816B	3-4	No	Strong sporadic readings.
	824B	2	No	Readings weak and sporadic - some under large bush.
	828B	1-2	No	Two point source readings all others weak and sporadic.
	832B	2	No	Readings weak and sporadic.
	836B	1-2	No	Readings weak and sporadic.
5-24-96	817B	2	No	Readings sporadic.
	821B	3-4	No	Many strong sporadic readings.
	829A	2	No	(CYH) Readings sporadic, may be sewer line from addition.
	833B	3-4	No	Readings start 18" from sewer line, may be smaller than tank.
	837B	2	No	Readings sporadic.
	840B	2	No	Readings sporadic.
	841B	1-2	No	Readings sporadic.
	844B	1-2	No	
	845B	1-2	No	
	848B	2-3	No	Readings sporadic.
	849B	2-3	No	Readings sporadic.
	851A	2	No	Readings sporadic.
	852B	1-2	No	
	855A	1	No	
	856A	1	No	
	859B	1	No	
	860B	1	No	
	861B	2	No	(CYH) Readings sporadic.
	864B	1-2	No	(CYH)
	865B	4-5	No	Possibly tank, straps, and/or piping.
	868B	1-2	No	
	869B	4	No	Strong readings close to tank size.
	871B	1	No	
	872B	3-4	No	Strong sporadic readings.
	875B	4	No	(CYH) Readings strong into corner. Further into corner than at 221B and 825A.

TANK SURVEY

DATE	TANK	READING LEVEL 1-5+	TEST DIG PERFORMED	COMMENTS
	876B	1-2	No	
	879B	1	No	
	880B	1	No	
	881A	4	No	Large/strong reading overlaping either side of vent pipe from new tank.
	884B	3-4	No	(CYH) Couple of strong point source readings that may or may not be masking a tank.
	885B	2-3	No	Readings sporadic.
	888B	3	No	Readings sporadic - smaller than tank size.
	892B	3-4	No	(CYH) Same as 884B.
	896A	1	No	
	900B	4-5	No	(CYH) Readings strong in the same areas as 221B and 825A. Readings longer than 550 gal. tanks.
	904B	2-3	No	Readings sporadic.
	908B	1-2	No	
	912A	1-2	No	
	916B	2-3	No	Readings sporadic.
	920B	1-2	No	
	924B	3	No	Readings sporadic - old fuel meter still on wall.
	928B	3-4	No	Sporadic readings, also one reading 2.5' from foundation 5' long, may be piping.
	932B	3-4	No	Strong sporadic readings.
	936B	4	No	Readings sporadic.
	940B	2	No	Readings sporadic.
	200A	5	No	(CYH) Very strong readings in same area as 221B and 825A. Tank top port with the words "FUEL OIL" on it.
	200B	5	No	(CYH) Strong readings in the same area as 221B and 825A.
	201A	1-2	No	
	201B	3-4	No	Readings close to tank size.
	204A	4	No	Reading drop off in a square.
	204B	4	No	
	205A	1	No	
	205B	1-2	No	Readings sporadic.

TANK SURVEY

DATE	TANK	READING LEVEL 1-5+	TEST DIG PERFORMED	COMMENTS
	209A	1-2	No	
	209B	1-2	No	Readings sporadic.
	208A	3	No	One point source reading smaller than tank.
	208B	4	No	Strong readings close to foundation between sewer and former vent line. May be interference. The old fuel meter is still on the wall.
	212A	1	No	Old fuel meter still present on wall.
	212B	4-5	No	Strong readings under left side of ceder bush/tree-readings are sporadic.
	216A	1	No	
	216B	1	No	
	220A	1	No	
	220B	3	No	Sporadic readings on either side of former vent pipe.
	224A	4	No	Strong readings under two bushes. Old fuel meter still on wall.
	224B	1	No	
5-28-96	213A	1-2	No	Readings sporadic.
	213B	1	No	
	217A	5	No	Readings longer than 550 gal. tank - may be 1000 gal. tank or piping.
	217B	1	No	
	221A	5	No	Readings present in same area as 221B and 825A.
	221B		Yes	Tank removed.
	225A	3-4	No	Readings longer and wider than tanks previously found. Readings are between tree and house front.
	225B	3-4	No	Strong readings over 3'x3' area between sewer and former vent line.
	229A	3-4	No	Readings sporadic.
	229B	2-3	No	Readings sporadic.
	233A	1-2	No	
	233B	1-2	No	
	237A	4-5	No	Strong readings 15' long about 5' from house-may be piping.
	237B	4-5	No	Readings sporadic.
	241A	1	No	
	241B	1-2	No	Readings sporadic.

APPENDIX B
SOIL DISPOSITION CORRESPONDENCE

APPENDIX B - SUBINDEX

- 2 WAY MEMO DATED 7/17/96
- 2 WAY MEMO DATED 7/18/96
- 2 WAY MEMO DATED 7/29/96
- 2 WAY MEMO DATED 8/22/96
- NOTE TO OHM SUPERVISORS 8/27/96
- 2 WAY MEMO DATED 9/12/96
- (2) WAY MEMOS DATED 9/20/96
- 2 WAY MEMO DATED 9/25/96
- 2 WAY MEMO DATED 9/27/96
- 2 WAY MEMO DATED 10/17/96
- NOTE TO JOE SZOT 11/15/96
- NOTE TO JOE SZOT 11/18/96
- 2 WAY MEMO DATED 11/21/96
- 2 WAY MEMO DATED 11/25/96
- NOTE TO JOE SZOT 01/14/97
- 2 WAY MEMO DATED 01/15/97
- (2) 2 WAY MEMOS DATED 01/16/97
- MINUTES FOR PROGRESS MEETING NO. 64

UNITED STATES GOVERNMENT

2-Way Memo

INSTRUCTIONS

Use routing symbols whenever possible.

SENDER (*Originator of message*):
Use brief, informal language.
Conserve space.
Forward original and one copy.

RECEIVER (*Replier to message*):
Reply below the message, keep one copy, return one copy.

Subject: Backfill of UST - OHM D.O. 6

To : Dave Farnsworth AFCEE/DAP (Joe Szot) AFCEE/DAP

DATE OF MESSAGE	ROUTING SYMBOL
7-17-96	

SIGNATURE OF ORIGINATOR: David A Dawsworth

TITLE OF ORIGINATOR: Env. Engineer

FOLD

MESSAGE

Based on review of analytical packages, recommend backfilling the following UST locations with clean fill:

508, 601, 653, OWS-2763, 3001, 3190, 3300, 91

- Fill port & pipe (approx 30-40', near B/657) @ 653 needs to be removed
- UST's 508 & 601 were closed w/ NYSDEC (Mr. Stamp) on 16/17 Jul 96

Punchlist items are attached.

REPLY

From :

DATE OF REPLY	ROUTING SYMBOL

SIGNATURE OF REPLIER

TITLE OF REPLIER

OPTIONAL FORM 27 (Rev. 7-81)
GSA FPMR (41 CFR) 101-11.6
NSN 7540-00-082-2447

5027-107

3 RETAINED BY ORIGINATOR

UNITED STATES GOVERNMENT

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INSTRUCTIONS

Use routing symbols whenever possible.

SENDER (*Originator of message*):
Use brief, informal language.
Conserve space.
Forward original and one copy.

RECEIVER (*Replier to message*):
Reply below the message, keep one copy, return one copy.

Subject: Backfill of UST's
OHM D.O. #6

To : AFCEE/ DAP (Joe Szot)

DATE OF MESSAGE	ROUTING SYMBO
18 Jul 96	

SIGNATURE OF ORIGINATOR
David Dunscomb

TITLE OF ORIGINATOR
Env Engineer

FOLD

MESSAGE

1. Based on review of analytical packages, recommend backfilling the following locations with clean fill
   - 492, 652, 1807, 2542, 2548, [redacted], 3218, 5020
2. The following sites are part of CERCLA (IRP) Sites and should be backfilled with existing stockpiled soil: 3520, OWS 509, UST 509
3. Piping at UST 509 are abandoned, but should be filled with gro
   Punch list is attached.

REPLY

From :

DATE OF REPLY	ROUTING SYMBO

SIGNATURE OF REPLIER

TITLE OF REPLIER

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NSN 7540-00-082-2447

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3. RETAINED BY ORIGINATOR

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INSTRUCTIONS

Use routing symbols whenever possible.

SENDER (*Originator of message*):
Use brief, informal language.
Conserve space.
Forward original and one copy.

RECEIVER (*Replier to message*):
Reply below the message, keep one copy, return one copy.

Subject: Remove USTs, Proj 95-6001
OHM D.O #6

To : AFCEE/DAP (Joe Szot)

DATE OF MESSAGE	ROUTING SYMBOL
7-29-96	

SIGNATURE OF ORIGINATOR: David A Dawson

TITLE OF ORIGINATOR: Env Engineer

FOLD FOLD

MESSAGE

1. Request the contractor backfill UST 601 ASAP, after completion of sampling activities.
2. Request is based de undermining of adjacent concrete ramp, & and peeling Tcase. Site is Constrained by bldg on 3 sides, there are no visable signs of contamination.
3. Mr Stamp (NAVSEC) has been notified (on Jul 96)

REPLY

DATE OF REPLY	ROUTING SYMBOL

From :

SIGNATURE OF REPLIER

TITLE OF REPLIER

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OHM's Copy

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INSTRUCTIONS

Use routing symbols whenever possible.

SENDER (*Originator of message*):
Use brief, informal language.
Conserve space.
Forward original and one copy.

RECEIVER (*Replier to message*):
Reply below the message, keep one copy, return one copy.

Subject: Remove USTs, Proj 95-6009
OHM D.O. #6

To : AFCEE/DAP (Jim Szot)

DATE OF MESSAGE	ROUTING SYMBOL
7-29-96	

SIGNATURE OF ORIGINATOR
Daniel A Jaworski

TITLE OF ORIGINATOR
ENV Engineer

FOLD

MESSAGE

1. Based on joint review (w/ Mr Stemp - NYSDEC) of UST Closure Reports on 24 Jul 96, recommend the following ~~four~~ UST locations be backfilled w/ clean fill (excavated soil should be mixed to the landfarm, prior to backfill):

USTs- 485, 2015, ~~2380~~ DF ~~2385~~ (2752), (2811/2812), (3410) 3582, 358~~3~~ and 5128, and (2700) (after completion of resampling activities).

2. Punchlist of items associated w/ these USTs is attached PHISH CONCERNS

REPLY

From :

DATE OF REPLY	ROUTING SYMBOL

SIGNATURE OF REPLIER

TITLE OF REPLIER

OPTIONAL FORM 27 (Rev.
GSA FPMR (41 CFR) 101-

UNITED STATES GOVERNMENT

2-Way Memo

Subject: OHM D.O. #6, UST-3578

To : AFCEE/DAE (Joe Scot)

INSTRUCTIONS

Use routing symbols whenever possible.

SENDER (*Originator of message*):
Use brief, informal language.
Conserve space.
Forward original and one copy.

RECEIVER (*Replier to message*):
Reply below the message, keep one copy, return one copy.

DATE OF MESSAGE	ROUTING SYMBOL
8-22-96	

SIGNATURE OF ORIGINATOR

TITLE OF ORIGINATOR
Env Engineer

FOLD FOLD

MESSAGE

- Request remove all piping associated with UST-3578 to include pavement demolition (as required)
- Contaminated soil will be removed (to landfarm stockpile) as encountered (based on PID readings), but limited to pipe excavation area.
- request one soil/water composite of excavation and grab sample of water in UST excavation.

REPLY

From :

DATE OF REPLY	ROUTING SYMBOL

SIGNATURE OF REPLIER

TITLE OF REPLIER

OPTIONAL FORM 37 (Rev. 7-81)
GSA FPMR (41 CFR) 101-11.6
NSN 7540-00-082-2447

5027-107

OHM (Brad / Clinton) 8/27/96

- USA Septic System:

  Sample by exception only (visible signs, odors etc)

- Sample 220B & 221A as is!
  - get water grab too

- Lot of stockpiles in 200/800 area need to have plastic resecured

- Need to finish backfilling of 485 and remove stockpiled soil

- 483 needs to be graded/paved

- ~~single~~ geoprobe at UST-609 (down the center need soil and water) is OK up NYSDEC

Dave

UNITED STATES GOVERNMENT

OHM Copy

2-Way Memo

INSTRUCTIONS

Use routing symbols whenever possible.

SENDER (*Originator of message*):
Use brief, informal language.
Conserve space.
Forward original and one copy.

RECEIVER (*Replier to message*):
Reply below the message, keep one copy, return one copy.

Subject: OHM D.O. #6, Backfilling of UST's

To : AFCEE/DAE (Joe Szot)

DATE OF MESSAGE	ROUTING SYMBOL
9-12-96	

SIGNATURE OF ORIGINATOR: Daniel A. Jones

TITLE OF ORIGINATOR: Env Engineer

FOLD

MESSAGE

1. Based on review of analytical packages (and joint review of results w/ Mr Stemp, from NYSDEC, on 5 Sep 96 request the following UST's/OWS's be backfilled with clean fill (subject to attached punch list):

426, 610, 614, 639, OWS-2815, OWS-2548, 640, & 3426

2. USTs 1809A, and 1806/1809B shall be backfilled w/ existing site stockpiled soil (due to proximity to former Pesticide spill site), and has been coord w/ Mr Stemp

REPLY

Request given to contractor on 13 SEP 96. Some of the excavations have already been filled (i.e. 2815 2548 and 3426) because of the Punch concept. Work should be complete early next week.

From :

DATE OF REPLY	ROUTING SYMBOL
13 Sep 96	AFCEE

SIGNATURE OF REPLIER

TITLE OF REPLIER: FIELD ENG

OPTIONAL FORM 27 (Rev. 7-81)
GSA FPMR (41 CFR) 101-11.6
NSN 7540-00-082-2447

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INSTRUCTIONS

Use routing symbols whenever possible.

SENDER (*Originator of message*):
Use brief, informal language.
Conserve space.
Forward original and one copy.

RECEIVER (*Replier to message*):
Reply below the message, keep one copy, return one copy.

Subject: OHM D.O. #6
Backfill of UST's

From : AFCEE/DAE (Joe Szot)

DATE OF MESSAGE	ROUTING SYMBO
9-20-96	

SIGNATURE OF ORIGINATOR
David Janssen

TITLE OF ORIGINATOR
Env Engineer

FOLD FOLD

MESSAGE

1. Based on review of closure reports ... request the following USTs locations be backfilled w/ clean fill:
177, 2385, 2555A/B & 2558, ...

2. UST 177 results were coord w/ NYSDEC (Bob Sleep) on 17 Sep 96, UST ... and Soils were within STARS guidance.

3. UST-2555A/B & 2558 may require additional investigation, pending removal/sampling results of M-1 Gas station pumphouse, piping, containment area and UST 2552.

REPLY

As of 26 SEP 96, all of the above excavations have been backfilled except for 2555A/B & 2558 (Single hole). Priority at the present time is the CHP work due to the impending weather. Hole should be filled next week.

DATE OF REPLY	ROUTING SYMB
26 Sep 96	

SIGNATURE OF REPLIER

TITLE OF REPLIER
AFCEE Tech Ex

To :

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2 RETURNED TO ORIGINATOR

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INSTRUCTIONS

Use routing symbols whenever possible.

SENDER (*Originator of message*):
Use brief, informal language.
Conserve space.
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RECEIVER (*Replier to message*):
Reply below the message, keep one copy, return one copy.

Subject: OHM D.O #6
Site Restoration @ CHP

From : AFCEE/DAE (Joe Szot)

DATE OF MESSAGE	ROUTING SYMBOL
9-20-96	

SIGNATURE OF ORIGINATOR: David A Jamieson III

TITLE OF ORIGINATOR: Env Eng.

FOLD

MESSAGE

1. Request CMS, Shed (and concrete pad) be removed inside the fuel transfer containment area, concrete pads should be sized/designed to support 300 gal AST (AST to be installed by PARC).

2. Work is necessary to restore site to pre-work conditions and reconfirm w/ PARC AST installation.

REPLY

Contractor has been directed and the work effort coordinated w/ PARC. Note - AST will be installed by OHM except for any required alarm/monitoring system.
Work to be completed by 11 Oct 96

To :

DATE OF REPLY	ROUTING SYMBOL
26 Sep 96	

SIGNATURE OF REPLIER

TITLE OF REPLIER: AFCEE Field Env.

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INSTRUCTIONS

Use routing symbols whenever possible.

SENDER (*Originator of message*):
Use brief, informal language.
Conserve space.
Forward original and one copy.

RECEIVER (*Replier to message*):
Reply below the message, keep one copy, return one copy.

Subject: OHM D.O. #6
Backfill of UST's

From : AFCEE/DAE (Jon Szot)

DATE OF MESSAGE	ROUTING SYMBOL
9-25-96	

SIGNATURE OF ORIGINATOR

David A Jonesworth

TITLE OF ORIGINATOR

Env Engineer

FOLD

MESSAGE

1. Based on review of closure reports and (telecon) coord w/ Mr Stamp (NYSDEC Region II) on 25 Sep 96, the following UST locations may be backfilled w/ clean fill (subject to notes below): 200A, 200B, 204A, 204B, 208B, 225A, 229A
   - Raise cover sheet for 200B (does exceed
   - Repair sewer line @ 200B
   - Repair wires @ 225A

REPLY

Request was given to the contractor 27 SEP 96.
Work to be completed next week

DATE OF REPLY	ROUTING SYMBOL
27 Sep 96	

To :

SIGNATURE OF REPLIER

TITLE OF REPLIER

Area Field Engr

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Use brief, informal language.
Conserve space.
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RECEIVER (*Replier to message*):
Reply below the message, keep one copy, return one copy.

Subject: OHM D.O. #6
Backfill of USTs

To : AFCEE/DAS (Joe Sizat)

DATE OF MESSAGE	ROUTING SYMBOL
9-27-96	

SIGNATURE OF ORIGINATOR: David X Dawson

TITLE OF ORIGINATOR: Env Eng.

FOLD

MESSAGE

1. Based on review of closure reports and (telecon) Coord w/ Mr Stemp (NYSDEC Region II) on 27 Sep 96, the following UST locations may be backfilled w/ clean fill (subject to notes below) 201B, 224A, 237A, 237B and 2658
   - sample water in holes @ 224A & 237A
   - remove 2" pipe at 201B, recheck notes on evidence of UST (hole is small and shallow!)

REPLY

From :

DATE OF REPLY	ROUTING SYMBOL

SIGNATURE OF REPLIER

TITLE OF REPLIER

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INSTRUCTIONS

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RECEIVER (*Replier to message*):
Reply below the message, keep one copy, return one copy.

Subject: OHM D.O. #6
OWS-408

To : AFCEE/DAE (Joe Szot)

DATE OF MESSAGE	ROUTING SYMBOL
10-17-96	

SIGNATURE OF ORIGINATOR
David A Farnsworth

TITLE OF ORIGINATOR
Env Engineer

FOLD — MESSAGE — FOLD

1. Request contractor perform geoprobing (4 ea) at OWS-408 as shown in attached drawing. Stockpiled soil ~~shall~~ should be placed in landfarm ASAP. Sampling should use full VOC/SVOC list, pesticides and RCRA metals
2. Request is follow up to initial sampling & excavation (Total PAH > 26K PPB, trace pesticides..) per Mtg Stmp @ NYSDEC 8 Oct 96.

REPLY

From :

DATE OF REPLY	ROUTING SYMBOL

SIGNATURE OF REPLIER

TITLE OF REPLIER

OPTIONAL FORM 27 (Rev. 7-81)
GSA FPMR (41 CFR) 101-11.6

To AFCEE/DAE (Joe Szot) 11/15/96

From AFBCA/DAE (Dave Farnsworth)

Subj: Backfill & UST locations.

1. Recommend the following UST locations be backfilled with existing fill:

800, 813B, 881A, 821B, 872B, 880A, 892A, 892B, 896B,

(OK: 813B, 881A, 821B, 872B, 880A, 892A, 892B)

2. Recommend the following UST locations be backfilled with clean fill:

~~844A~~, 809B, 217A, 832A, 833A, 936A, 900B, 908A

(OK: 844A, 809B, 900B)

3. Recommendations are based on review of analytical packages, and recent correspondence indicating TCE hits to be (cross contamination) a non-issue

David A. Farnsworth

1

204 → To be backfilled, use existing stockpile

209 → To be backfilled, use existing stockpile

212 → already backfilled

213 → To be backfilled, use existing stockpile

216 → already backfilled

220 → To be backfilled w/ clean soil

221A → To be backfilled use ~~Clean Soil~~ existing soil.

225 → already backfilled

229 → already backfilled

TO: AFCEE/DAE (Joe Szot) 11/18/96

FROM: AFBCA/DAE (Dave Farnsworth

Subj: Backfill & UST's

1. Have reviewed analytical packages for UST excavations and TCE cross contamination issues and compared w/ previous analytical reports.

2. The following UST locations may be backfilled w/ existing fill material:

944 (OK), 865B, 869B, 868A (OK), 928A

3. The following UST locations should be backfilled w/ clean fill material:

869A, 220B, 221A*, 225B, 851B (OK), 875A* (OK), 884B, 938B (OK), 212B

* - 221A & 875 may require geoprobing (should be action item!)
* - busted sewer lateral @ 221A, check w/ PARC to see if repair necessary.

4. The following UST locations appear to have damaged utility (fuel fed, sensor, elect service) lines inside their respective excavations or require inspection (lines are currently under water). Lines at these locations should be repaired and tested ASAP

804, 813A, 848A, 816B, 849A, 936B, 833B, 836A
861B, 875B, 924B

5. Excavation location 948 is significantly different from other areas, recommend resurvey w/ magnetometer (should be coord w/ Mr Farnsworth)

UNITED STATES GOVERNMENT

2-Way Memo

INSTRUCTIONS

Use routing symbols whenever possible.

SENDER (*Originator of message*):
Use brief, informal language.
Conserve space.
Forward original and one copy.

RECEIVER (*Replier to message*):
Reply below the message, keep one copy, return one copy.

Subject: OHM D.O. #6
Backfill of USTs

From: AFCEE/DAE (Attn Mr Joe Szot)

DATE OF MESSAGE	ROUTING SYMBOL
11-21-96	

SIGNATURE OF ORIGINATOR: David A Jamesworth

TITLE OF ORIGINATOR: Env Engineering

FOLD

MESSAGE

Have reviewed analytical packages for UST excavations in MFH that were previously identified (18 Nov 96, Item 4) as requiring line inspection/repair. After resolution of the inspection/repair issues, recommend all these locations be backfilled with clean fill.

these locations are: 804, 813A, 816B, 848A, 849A
936B, 836A, 861B, 875B, 924B

REPLY

Contractor is currently working repair issues on units identified as Green on the atched site plan. Yellow units were OK.

To:

DATE OF REPLY	ROUTING SYMBOL
26 NOV 96	

SIGNATURE OF REPLIER

TITLE OF REPLIER: AFCEE Field Eng

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2 RETURNED TO ORIGINATOR

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INSTRUCTIONS

Use routing symbols whenever possible.

SENDER (*Originator of message*):
Use brief, informal language.
Conserve space.
Forward original and one copy.

RECEIVER (*Replier to message*):
Reply below the message, keep one copy, return one copy.

Subject: OHM D.O. #6
Backfill of 8 USTs

From : AFCEE / DAE (Mr Tom Szot)

DATE OF MESSAGE	ROUTING SYMBOL
11-25-96	

SIGNATURE OF ORIGINATOR: David Farnsworth

TITLE OF ORIGINATOR: Env Engineer

FOLD

MESSAGE

1. USTs 833B may backfilled w/ clean fill pending repair of lines in the hole.
2. USTs 932B & 948 may be backfilled w/ clean
3. Recommendations are based on review of preliminary analytical packages and assumption that any TCE hits are a non issue (result of cross contamination).

REPLY

OK Let me know if a re-dig is needed @ B-948

To :

DATE OF REPLY	ROUTING SYMBOL
26 Nov 96	

SIGNATURE OF REPLIER

TITLE OF REPLIER: AFCEE Field Eng.

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NSN 7540-00-082-2447

5027-107

2. RETURNED TO ORIGINATOR

1/14/97

Joe

1. Can backfill (w/ existing fill) 732/742, no anamalyticals Req'd

2. per discussion between Joe Forte (OHM) and I on 13 Jan 97 need to continue digging @ 3rd hole (#655)

3. Can backfill CWS-2565 (BX Car Wash) w/ existing fill (GW issue to be dealt w/ via 55-016.

4. need to resubmit UST-1810 package to address numerous concerns raised previously (by me and Jess Powers). Due to severenty and number of discrepancies
* I CANNOT EVALUATE THE UST-1810 ANALYTICAL PACKAGE UNTIL THE CONTRACTOR FIXES IT!

5. Need to go out to CWS-3400 w/ someone ASAP.

6. Need to excavate CWS-408 out to 8 geoprobes ~~Can excavate under the street~~ and backfill w/ clean fill.

7. UST-3308 and 3578 are on hold pending Concurrence of NYSDEC

↳ will prob get OK to backfill 3578 today.

8. CWS-2774 on hold til I discuss w/ Brady (55-017)

9. Still work on UST-2640A/B

Dave

UNITED STATES GOVERNMENT

2-Way Memo

INSTRUCTIONS

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SENDER (*Originator of message*):
Use brief, informal language.
Conserve space.
Forward original and one copy.

RECEIVER (*Replier to message*):
Reply below the message, keep one copy, return one copy.

Subject: OHM DO # 6
OST-3578

To : AFCEE/DA Plattsburgh
Mr Joe Szot.

DATE OF MESSAGE	ROUTING SYMBOL
15 Jan 97	

SIGNATURE OF ORIGINATOR
David F Damsard

TITLE OF ORIGINATOR
Env Engineer

FOLD FOLD

MESSAGE

1. Recommend contractor backfill tanks and piping excavation w/ clean fill and repave as req'd
2. No further investigation under this contract is necessary, will be addressed in ongoing CERCLA investigation (IRP Site SS-013.

This been coordinated w/ Mr. Slamp @ NYSDEC on 14 Jan 97 via telecon.

REPLY

From :

DATE OF REPLY	ROUTING SYMBOL

SIGNATURE OF REPLIER

TITLE OF REPLIER

OPTIONAL FORM 27 (Rev. 7-81)
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NSN 7540-00-082-2447

5027-107

3. RETAINED BY ORIGINATOR

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INSTRUCTIONS

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Conserve space.
Forward original and one copy.

RECEIVER (*Replier to message*):
Reply below the message, keep one copy, return one copy.

Subject: O&M DO #6
OWS-408 / UST-3308

To: AFCEE / DA - Plattsburgh
(Joe Szot)

DATE OF MESSAGE	ROUTING SYMBOL
1-16-97	

SIGNATURE OF ORIGINATOR: David A Dawson

TITLE OF ORIGINATOR: Env Engineer

FOLD

MESSAGE

1. Per mtg w/ Mr. Stamp (NYSDEC) on 1-16-97 UST-3308 should be backfilled w/ clean fill.

2. UST-408 should be excavated out to the geoprobe locations (flags still present at site), floor drain in Bldg should be sealed and confirmatory sampling done before backfilling (w/ clean fill).

REPLY

DATE OF REPLY	ROUTING SYMBOL

From:

SIGNATURE OF REPLIER

TITLE OF REPLIER

OPTIONAL FORM 27 (Rev. 7-81)
GSA FPMR (41 CFR) 101-11.6
NSN 7540-00-082-2447

5027-107

3. RETAINED BY ORIGINATOR

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2-Way Memo

INSTRUCTIONS
Use routing symbols whenever possible.
SENDER (*Originator of message*):
Use brief, informal language.
Conserve space.
Forward original and one copy.
RECEIVER (*Replier to message*):
Reply below the message, keep one copy, return one copy.

Subject: O&M DO # 6
OU5 - 3402

To : AFCEE/DA Plattsburgh
(Joe Scot)

DATE OF MESSAGE	ROUTING SYMBOL
1-16-97	

SIGNATURE OF ORIGINATOR
David Adams

TITLE OF ORIGINATOR
Env Engineer

FOLD FOLD

MESSAGE

1. Based on review of analytical package, review of NYSDEC TAGM and telecon w/ OITM chemist (Greg Gommel), recommend backfill of excavation w/ existing backfill
2. Contractor should also correct statement on cover sheet of package to reflect that Arsenic and 4-DDT do not exceed TAGMs

Package was coordinated w/ Mr Stemp on 1-16-97.

REPLY

From :

DATE OF REPLY	ROUTING SYMBOL

SIGNATURE OF REPLIER

TITLE OF REPLIER

OPTIONAL FORM 27 (Rev. 7-81)
GSA FPMR (41 CFR) 101-11.6
NSN 7540-00-082-2447.

5027-107

3. RETAINED BY ORIGINATOR

B. UST/AST Removal

1. UST 2640: AFCEE directed OHM to backfill the excavations with imported borrow soil and haul the staged excavated soil to an area adjacent to the landfarm. OHM asked D.Farnsworth if WPI has reviewed the site sampling and analytical report. D.Farnsworth replied that it was reviewed in the summer 1996 and that the results were inconclusive. WPI's concerns about PCBs were unfounded because the site history does not indicate PCBs to be a contaminant of concern.
2. Site 1810: OHM will wait to continue the excavation until the spring because the soil is frozen.
4. Bldg. 2774: At the request of the disposal vendor, Chem-Met Services Inc., OHM has sent them a sample which they will analyze. OHM continues to expedite the process as much as possible. The staged soil is covered with tarps.
5. Bldg. 3584: Status unchanged; OHM would like direction on the repair of conduit and wiring.
6. Bldg. 3582: Status unchanged; OHM would like direction on the repair of conduit and wiring.
7. General for DO 06 site sampling and analytical reports: OHM submitted the advanced copy of the volume one text and matrices on 03/07. D.Farnsworth is currently reviewing and is pleased with style, detail and format.

IV. GENERAL ITEMS FOR DO 003 & DO 006

OHM expects to submit the 85%-funding budget letter early next week. OHM agreed to discuss the 85% funding letter with PAFB AFCEE and AFBCA personnel concurrent to its submittal to the AFCEE headquarter office.

V. CORRECTIONS FROM LAST PROGRESS MEETING MINUTES

None noted.

APPENDIX C
TRANSPORTATION AND DISPOSAL DOCUMENTATION

APPENDIX C - SUBINDEX

C1 - CERTIFICATE OF DISPOSAL HAZARDOUS WASTE MANIFESTS FOR LIQUIDS SHIPPED TO UNITED OIL RECOVERY, INC. IN MERIDEN, CT.

C2 - UNIFORM MANIFESTS FOR INTRASTATE MOVEMENTS OF AUTOMOTIVE FUEL

C3 - HAZARDOUS WASTE MANIFEST - OWS-3400 CONTENTS

C4 - HAZARDOUS WASTE MANIFEST - OTH-2774 CONTENTS

APPENDIX C1
CERTIFICATE OF DISPOSAL HAZARDOUS WASTE MANIFESTS FOR LIQUORS SHIPPED TO UNITED OIL RECOVERY, INC. IN MERIDEN, CT.

Certificate of Disposal

This is to certify that materials from AFBCA/OL-3A/DAP on the following manifest numbers were received at United Oil Recovery, Inc. The materials were treated at our facility at 136 Gracey Ave., Meriden Connecticut. The petroleum phase was blended with other materials and burned for its thermal value. The aqueous phase was treated by ultrafiltration, reverse osmosis and carbon adsorption.

If you have any questions or would like to visit our facility, please feel free to contact us at (203) 238-6754. Thank you for choosing United Oil Recovery, Inc. for your treatment and recovery needs.

CTF0446623	CTF0460948	CTF0447859	CTF0447893	CTF0447858	CTF0447985
CTF0447927	CTF0448608	CTF0487423	CTF0487505	CTF0487520	CTF0487554
	CTF0489289	CTF0489314	CTF0489345	CTF0489324	CTF0491629
CTF0491630	CTF0491672	CTF0491698	CTF0491609	CTF0598145	CTF0598174

3/4/97

Date

William Morris
Environmental Director

EPHM-2 REV. 11/94

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NY 4571924771 — Manifest Document No. 400001
2. Page 1 of 1
Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
AFBCA/OL-3A
324 US Oval Plattsburgh, NY 12903

A. State Manifest Document Number: CT F 0446623

B. G.S.I. (Gen. Site Address): SAME

4. Generator's Phone (518) 563-2871

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES
6. US EPA ID Number: CTD021816889

C. S.T.I. (Trans. Lic. Plate #): V21931 CT

7. Transporter 2 Company Name
8. US EPA ID Number

D. Tran. Phone (203) 239-5745

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
136 GRACEY AVE
MERIDEN, CT 06451

10. US EPA ID Number: CTD021816889

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone (203) 235-3753

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Waste Flammable Liquids NOS (JP-4/ Diesel/ No.2 heating oil/ Gasoline) 3, UN1993, Pg II (ERG #28) (Benzene)	0.0.1	T.T	05500	G	EPA D001/D018 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. JP-4 fuel, gasoline, oil and water
b.
c.
d.

K. Handling Codes for Wastes Listed Above

a. Interim	Final	c. Interim	Final
NY=B			
b.		d.	

15. Special Handling Instructions and Additional Information
EMERGENCY 24 HR PHONE: (203) 235-3753/518-562-4097
EMERGENCY RESPONSE GUIDE BOOK: GUIDE # 28
Wear all appropriate PPE
COD required
Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
STEPHEN C. GAGNIER		01	02	96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
BILL QUINN	Bill Quinn	01	22	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
JON P. MCKERNAN		01	23	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

COPY 3: FACILITY TO GENERATOR

COPY 3: FACILITY TO GENERATOR

CT F 0446623

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NY4571947400 — Manifest Document No. 002

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

Generator's Name and Mailing Address
AFRCH/OL-SA
324 US OVAL Plattsburgh, NY 12903

A. State Manifest Document Number: **CT F 0460948**

B. G.S.I. (Gen. Site Address)

4. Generator's Phone (518 563 2871

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES — 6. US EPA ID Number: CTD021816889

C. S.T.I. (Trans. Lic. Plate #): SAME CTV26590

7. Transporter 2 Company Name — 8. US EPA ID Number

D. Tran. Phone (203) 236-6745

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
136 GRACEY AVE
MERIDEN, CT 06451

10. US EPA ID Number: CTD021816889

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone (203)235-3753

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Waste Flammable Liquids, NOS (JP-4/ Diesel/No. 2 heating oil/Gasoline), 3, UN1993, Pg 11 (ERG #28) (Benzene)	001	TT	0541	G	EPA D001/D018 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. JP-4 fuel, gasoline, oil and water
b.
c.
d.

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. S02 NY=B		c.	
b.		d.	

15. Special Handling Instructions and Additional Information
EMERGENCY 24 HR PHONE: (203) 235-3753/518-562-4697
EMERGENCY RESPONSE GUIDE BOOK: GUIDE # 28
Wear all appropriate PPE
COD Required

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
STEPHEN G. GAGNIER	Stephen G Gagnier	01	22	96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
GARY McKINSTRY	Gary McKinstry	01	22	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Patricia Hunter	Patricia Hunter	01	23	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

GENERATOR

TRANSPORTER

FACILITY

COPY 3: FACILITY TO GENERATOR

CT F 0460948

EPHM-2 REV. 11/94

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N·Y·4·5·7·1·9·2·4·7·7·4 — Manifest Document No.: 0·6·1·1·2

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
AFBCA/OL-3A
324 US OVAL PLATTSBURGH, NY 12903

4. Generator's Phone (518) 563-2871

A. State Manifest Document Number: **CT F 0447859**

B. G.S.I. (Gen. Site Address): SAME

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES — 6. US EPA ID Number: C·T·D·0·2·1·8·1·6·8·8·9

C. S.T.I. (Trans. Lic. Plate #): V81931 CT

7. Transporter 2 Company Name — 8. US EPA ID Number

D. Tran. Phone (203) 235-3753

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone ( )

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
136 GRACEY AVE
MERIDEN, CT 06451 — 10. US EPA ID Number: C·T·D·0·2·1·8·1·6·8·8·9

G. State Facility's ID (Not Required)

H. Facility's Phone (203)235-3753

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (BENZENE) (JP4, 3, UN1993, PGII DIESEL, #2 HEATING OIL, GASOLINE)	0·0·1	T·T	05500	G	EPA D001/D018 STATE D001
b. [ERG #28]					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. AUTH# ST0009-9656 JP-4 FULL, OIL AND WATER GASOLINE
b.
c.
d.

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. NY-1 S02		c.	
b.		d.	

15. Special Handling Instructions and Additional Information
2994AFG EMERGENCY 24 HR PHONE: (203) 235-3753 / 518-562-4097 COD REQUIRED
EMERGENCY RESPONSE GUIDE BOOK: GUIDE # 28
USE APPROPRIATE PPE Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
STEPHEN G. GAGNIER		01	24	96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
BILL QUINLAN		01	24	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
LISA A. BURKE	Lisa A. Burke	01	25	96

GENERATOR — TRANSPORTER — FACILITY

COPY 3: FACILITY TO GENERATOR

CT F 0447859

PA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

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FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NY4571924774 — Manifest Document No. 60055

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
AFBCA/DL-3A
324 US OVAL PLATTSBURGH, NY 12903

4. Generator's Phone (518) 563-2871

A. State Manifest Document Number: CT F 0447893

B. G.S.I. (Gen. Site Address): SAME

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES — 6. US EPA ID Number: CTD021816889

7. Transporter 2 Company Name — 8. US EPA ID Number

C. S.T.I. (Trans. Lic. Plate #): V17860CT

D. Tran. Phone (203) 235-3753

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone ( )

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
136 GRACEY AVE
MERIDEN, CT 06451

10. US EPA ID Number: CTD021816889

G. State Facility's ID (Not Required)

H. Facility's Phone (203)235-3753

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (Benzene, JP4, Diesel 3, UN1993, PGII #2 Heating Oil, Gasoline)	001	TT	X46.40	G	EPA D001/D018 STATE D001
b. [ERG #28]					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. JP-4 FUEL, OIL & WATER, GASOLINE Auth # ST0009-9656
b.
c.
d.

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. TY=1 302		c.	
b.		d.	

15. Special Handling Instructions and Additional Information
3394AFG EMERGENCY 24 HR PHONE: (203) 235-3753 / 518-562-4097 --- COD REQUIRED
EMERGENCY RESPONSE GUIDE BOOK: GUIDE # 28
WEAR APPROPRIATE PPE Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
STEPHEN C. GAGNIER		01	24	96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
STEVE BROOKS		01	24	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
LISA A. BURKE	Lisa A. Burke	01	25	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

GENERATOR

COPY 3: FACILITY TO GENERATOR

CT F 0447893

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

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FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N Y 4 5 7 1 9 2 4 7 7 4 — Manifest Document No.: 9 6 0 0 3

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

Generator

3. Generator's Name and Mailing Address:
AFBCA/DL-3A
324 US OVAL PLATTSBURGH, NY 12903

4. Generator's Phone (518) 563-2871

A. State Manifest Document Number: CT F 0447858

B. G.S.I. (Gen. Site Address): SAME

Transporter

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES

6. US EPA ID Number: C T D 0 8 2 1 5 2 8 0

C. S.T.I. (Trans. Lic. Plate #): CTV 21932

D. Tran. Phone (203) 235-3753

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. S.T.I. (Trans. Lic. Plate #):

F. Tran. Phone ( )

Facility

9. Designated Facility Name and Site Address:
UNITED OIL RECOVERY INC
135 GRACEY AVE
MERIDEN, CT 06451

10. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

G. State Facility's ID (Not Required)

H. Facility's Phone: (203)235-3753

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (BENZENE)(JP-4, 3, UN1993, PGII ERG#128 DIESEL, #2 HEATING OIL GASOLINE)	001	TT	5320	G	EPA D001/D018 STATE D001
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

Additional Descriptions for Materials Listed Above

a. AUTH# ST-0009-9656 JP-4 FUEL, OIL & WATER GASOLINE

b.

c.

d.

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. SO NY=B		c.	
b.		d.	

15. Special Handling Instructions and Additional Information

3394AFG EMERGENCY 24 HR PHONE: (203) 235-3753 / 518-562-4097
EMERGENCY RESPONSE GUIDE BOOK: GUIDE # 28

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
STEPHEN C GAGNON		01	26	96

Transporter

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Allen A Thomas Jr		01	26	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

Facility

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Patricia Hawley		01	26	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039 Expires 9/30/96. Previous edition is obsolete.

COPY 3: FACILITY TO GENERATOR

COPY 3: FACILITY TO GENERATOR

CT F 0447858

EPA Form 8700-22 Rev. 11/91

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N.Y.4.5.7.1.9.2.4.7.7.4 — Manifest Document No.: 16405

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
AFSCA/OL-3A
324 US OVAL PLATTSBURGH, NY 12903

4. Generator's Phone (518 563-2871)

A. State Manifest Document Number: CT F 0447985

B. G.S.I. (Gen. Site Address): SAME

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES

6. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

C. S.T.I. (Trans. Lic. Plate #): CT K-21932

D. Tran. Phone (203 235-3753)

7. Transporter 2 Company Name

8. US EPA ID Number

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone ( )

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
135 GRACEY AVE
MERIDEN, CT 06451

10. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

G. State Facility's ID (Not Required)

H. Facility's Phone (203)235-3753

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (BENZENE, JP4, DIESEL 3, UN1993, PGII #2 HEATING OIL, GASOLINE)	0 0 1	T T	5280	G	EPA D001/D018 STATE NJHXX
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above

a. JP-4 FUEL, OIL & WATER, GASOLINE

b.

c.

d.

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. S02 NY=5		c.	
b.		d.	

15. Special Handling Instructions and Additional Information
3394AFG EMERGENCY 24 HR PHONE: (203) 235-3753 / 518-563-4097 GOV VEHICLE
EMERGENCY RESPONSE GUIDE BOOK: GUIDE # 25
WEAR APPROPRIATE PPE

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
Brady B. Baker		01	30	96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Allen A. Theriault		01	30	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
LISA A. BURKE		01	30	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

GENERATOR

TRANSPORTER

FACILITY

COPY 3: FACILITY TO GENERATOR

CT F 0447985

COPY 3: FACILITY TO GENERATOR

EPHM-2 REV. 11/94

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

FOR STATE USE ONLY

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N Y 4 5 7 1 9 2 4 7 7 4 — Manifest Document No. 96008

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
AFBCA/OL-3A
324 US OVAL PLATTSBURGH, NY 12903

4. Generator's Phone (518) 563-2871

A. State Manifest Document Number **CT F 0447927**

B. G.S.I. (Gen. Site Address)
SAME

5. Transporter 1 Company Name — UNITED INDUSTRIAL SERVICES
6. US EPA ID Number — C T D 0 2 1 8 1 6 8 8 9

C. S.T.I. (Trans. Lic. Plate #) 21932

7. Transporter 2 Company Name
8. US EPA ID Number

D. Tran. Phone (203) 235-3753

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
136 GRACEY AVE
MERIDEN, CT 06451
10. US EPA ID Number — C T D 0 2 1 8 1 6 8 8 9

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone (203)235-3753

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (BENZENE) JP4, DIESEL 3, UN1993, PGII (ERG#128) #2 HEATING OIL, GASOLINE	001	T	X5300	G	EPA D001/D018 STATE 0081
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. JP-4 FUEL, OIL & WATER
GASOLINE
b.
c.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final	Interim	Final
a.	NY=B		c.	
b.	S02		d.	

15. Special Handling Instructions and Additional Information
3394AFG EMERGENCY 24 HR PHONE: (203) 235-3753 / 518-562-4097 COD REQUIRED
EMERGENCY RESPONSE GUIDE BOOK: GUIDE # 28
WEAR APPROPRIATE PPE
Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
STEPHEN C GRAHLER		02	20	96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Allen A. Theriault		02	20	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
LISA A. BURKE		02	20	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

COPY 3: FACILITY TO GENERATOR

CT F 0447927

COPY 3 - FACILITY TO GENERATOR

EPHM-2 REV. 11/94

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

FOR STATE USE ONLY

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N.Y.4.5.7.1.9.2.4.7.7.4 — Manifest Document No. 96.009

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
AFBCA/DL-3A
324 US OVAL PLATTSBURGH, NY 12903
4. Generator's Phone (518) 563-2871

A. State Manifest Document Number: CT F 0448608

B. G.S.I. (Gen. Site Address): SAME

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES
6. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9
C. S.T.I. (Trans. Lic. Plate #): 59154 CT
D. Tran. Phone (203) 235-3753

7. Transporter 2 Company Name
8. US EPA ID Number
E. S.T.I. (Trans. Lic. Plate #)
F. Tran. Phone ( )

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
136 GRACEY AVE
MERIDEN, CT 06451
10. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9
G. State Facility's ID (Not Required)
H. Facility's Phone (203)235-3753

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (GASOLINE), JP4, 3, UN1993, PGII (ERG #26) BENZENE, DIESEL, #2 HEATING OIL) MK	0.0.1	T.T	5.4.85	G	EPA D001/D018 STATE XXXXXX D001
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. JP4/OIL/GASOLINE/WATER
c.
b.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.	MY-G	02	c.		
b.			d.		

15. Special Handling Instructions and Additional Information
3394AFG EMERGENCY 24 HR PHONE: (203) 235-3753
EMERGENCY RESPONSE GUIDE BOOK: GUIDE # ~~27~~ MK # 28
WEAR APPROPRIATE PPE

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
STEPHEN C. CRANMER		02	22	96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Keith A. Murphy		02	22	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Kathryn Hunter		02	22	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

COPY 3: FACILITY TO GENERATOR

CT F 0448608

COPY 5 - FACILITY TO GENERATOR

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N.Y.4.5.7.1.9.2.4.7.7.4 — Manifest Document No.: 960.10
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
AFBCA/OL-3A
324 US OVAL PLATTSBURGH, NY 12903
4. Generator's Phone (518) 563-2871

A. State Manifest Document Number: **CT F0487423**
B. G.S.I. (Gen. Site Address): SAME
C. S.T.I. (Trans. Lic. Plate #): CHV 21932
D. Tran. Phone (203) 235-3753
E. S.T.I. (Trans. Lic. Plate #):
F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone (203)235-3753

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES — 6. US EPA ID Number: CTD021816889
7. Transporter 2 Company Name — 8. US EPA ID Number:

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
136 GRACEY AVE
MERIDEN, CT 06451
10. US EPA ID Number: CTD021816889

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (GASOLINE) (BENZENE) 3, UN1993, PGII [ERG #28] (DIESEL, JP4, #2 OIL)	001	TT	X5100	G	EPA D001/D018 STATE X0001
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. JP-4, DIESEL, BENZENE, OIL/GASOLINE/WATER
c.
b.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final	Interim	Final
a.	H02 H19-B		c.	
b.			d.	

15. Special Handling Instructions and Additional Information
2394AFB EMERGENCY 24 HR PHONE: (203) 235-3753
EMERGENCY RESPONSE GUIDE BOOK: GUIDE # 28 WEAR APPROPRIATE PPE
Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
Stephen G. Grayvier	Stephen G. Grayvier	03	21	96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Allen A. Theriault	Allen A. Theriault	03	21	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
LISA A. DUKE	Lisa A. Duke	03	22	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

COPY 3: FACILITY TO GENERATOR

COPY 3: FACILITY TO GENERATOR

CT F 0487423

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N.Y.4.5.7.1.9.2.4.7.7.4 — Manifest Document No.: 96.0.1.1

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law, but may be required by State law.

GENERATOR

3. Generator's Name and Mailing Address
AFBCA/OL-3A
324 US OVAL PLATTSBURGH, NY 12903

4. Generator's Phone (518) 563-2871

A. State Manifest Document Number: **CT F 0487503**

B. G.S.I. (Gen. Site Address): SAME

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES

6. US EPA ID Number: C.T.D.0.2.1.8.1.6.8.8.9

C. S.T.I. (Trans. Lic. Plate #): U26577 ct

7. Transporter 2 Company Name:

8. US EPA ID Number:

D. Tran. Phone (203) 235-3753

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
136 GRACEY AVE
MERIDEN, CT 06451

10. US EPA ID Number: C.T.D.0.2.1.8.1.6.3.8.9

E. S.T.I. (Trans. Lic. Plate #):

F. Tran. Phone ( ):

G. State Facility's ID (Not Required):

H. Facility's Phone: (203)235-3753

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (GASOLINE), 3, UN1993, PGII ERG# 207 JP4, BENZENE, DIESEL #2 HEATING OIL	0.0.1	T.T	5445	G	EPA D001/D018 STATE X0001
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. OIL/GASOLINE/WATER/JP4, BENZENE, DIESEL #2 HEATING OIL
b.
c.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final	Interim	Final
a.	502 NY-B		c.	
b.			d.	

15. Special Handling Instructions and Additional Information
3394AFG EMERGENCY 24 HR PHONE: (203) 235-3753
EMERGENCY RESPONSE GUIDE BOOK: GUIDE # 28
WEAR APPROPRIATE PPE

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
STEPHEN G. GAGNIER		03	25	96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Keith N Murphy		03	25	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
LISA A. BURKE		03	25	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

COPY 3: FACILITY TO GENERATOR

CT F 0487503

COPY 3: FACILITY TO GENERATOR

FORM 2 REV. 11/94

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

FOR STATE USE ONLY

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N.Y.4.5.7.1.9.2.4.7.7.4 — Manifest Document No.: 96012
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
AFBCA/OL-3A
324 US OVAL PLATTSBURGH, NY 12903
4. Generator's Phone (518) 563-2871

A. State Manifest Document Number: CT F 0487520

B. G.S.I. (Gen. Site Address)
SAME
AFBCA/DAE
426 US OVAL SUITE 2210
PLATTSBURGH, NY

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES
6. US EPA ID Number: C.T.D.0.2.1.8.1.6.8.8.9

C. S.T.I. (Trans. Lic. Plate #): CTV 21932
D. Tran. Phone (203) 235-3753

7. Transporter 2 Company Name
8. US EPA ID Number

E. S.T.I. (Trans. Lic. Plate #)
F. Tran. Phone ( )

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
136 GRACEY AVE
MERIDEN, CT 06451
10. US EPA ID Number: C.T.D.0.2.1.8.1.6.8.8.9

G. State Facility's ID (Not Required)
H. Facility's Phone (203)235-3753

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (GASOLINE) JP4, 3, UN1993, PGII [ERG #28] BENZENE, DIESEL, #2 heating	001	T T	X 520.00	G	EPA D001/D018 STATE D001
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. OIL/WATER/GASOLINE /JP4 BENZENE
DIESEL, #2 HEATING OIL
c.
b.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final	Interim	Final
a.	NYB		c.	
b.			d.	

15. Special Handling Instructions and Additional Information
2994AFB EMERGENCY 24 HR PHONE: (203) 235-3753
EMERGENCY RESPONSE GUIDE BOOK: GUIDE # 27 28
WEAR APPROPRIATE PPE
Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
STEPHEN G. GAGNIER		03	26	96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Allen A. Theriault		03	26	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Patricia Hunter		03	26	96

PA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

COPY 3: FACILITY TO GENERATOR

COPY 3: FACILITY TO GENERATOR

CT F 0487520

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

FOR STATE USE ONLY

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N.Y.4.5.7.1.9.2.4.7.7.4 — Manifest Document No.: 96013

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
AFBCA/OL-3A
324 US OVAL PLATTSBURGH, NY 12903

4. Generator's Phone (518) 563-2871

A. State Manifest Document Number: **CT F 0487554**

B. G.S.I. (Gen. Site Address)
AFBCA/DAE
[illegible] PLATTSBURG, NY 12903

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES
6. US EPA ID Number: C.T.D.0.2.1.8.1.6.8.8.9
C. S.T.I. (Trans. Lic. Plate #): V26579 CT
D. Tran. Phone (203) 235-3753

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. S.T.I. (Trans. Lic. Plate #):
F. Tran. Phone ( )

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
135 GRACEY AVE
MERIDEN, CT 06451
10. US EPA ID Number: C.T.D.0.2.1.8.1.6.8.8.9
G. State Facility's ID (Not Required)
H. Facility's Phone (203) 235-3753

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (GASOLINE), (JP4, 3, UN1993, PGII ERG# 28 BENZENE, DIESEL, #2 HEATING OIL)	001	T.T	5400	G	EPA D001/D018 STATE [illegible]
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. WATER/GASOLINE/OIL, JP4, BENZENE
c.
b.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.	D2		c.		
b.			d.		

15. Special Handling Instructions and Additional Information
3394APFB EMERGENCY 24 HR PHONE: (203) 235-3753
EMERGENCY RESPONSE GUIDE BOOK: GUIDE # 128
WEAR APPROPRIATE PPE

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
B. Brady D. Baker		03	28	96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Keith R Murphy		03	28	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Patricia Hunter		03	29	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

COPY 3: FACILITY TO GENERATOR

CT F 0487554

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Please type (or print). *(Form designed for use on elite (12-pitch) typewriter.)*

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N.Y.4.5.7.1.9.2.4.7.7.4 — Manifest Document No. 960174

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
AFBCA/~~EL-JA~~ DAP SUITE 2210
~~324~~ 426 US OVAL PLATTSBURGH, NY 12903
4. Generator's Phone (518) 563-2871

A. State Manifest Document Number: CT F0489255

B. G.S.I. (Gen. Site Address): SAME

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES
6. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

C. S.T.I. (Trans. Lic. Plate #): 59751d

7. Transporter 2 Company Name:
8. US EPA ID Number:

D. Tran. Phone (203) 238-6745

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
136 GRACEY AVE
MERIDEN, CT 06451
10. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

E. S.T.I. (Trans. Lic. Plate #):
F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone (203)238-6745

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (Gasoline, Benzene) 3, UN1993, PGII ERG#128 (JP4, DIESEL, FS#2)	0.0.1	T.T	5500	G	EPA D001/D018 STATE XD001
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. JP4/GAS/HEATING OIL #2/ DIESEL/BENZENE
c.
b.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final	Interim	Final
a.	S02		c.	
b.	NY-B		d.	

15. Special Handling Instructions and Additional Information
3002AFG EMERGENCY 24 HR PHONE: (203) 238-6745
ENERGENCY RESPONSE GUIDE BOOK: GUIDE # 128
WEAR APPROPRIATE PPE.

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
STEPHEN G. GAGNIER		05	03	96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Keith A Murphy		05	03	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
LISA A. BURKE		05	06	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

COPY 3: FACILITY TO GENERATOR

COPY 3: FACILITY TO GENERATOR

CT F 0489255

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NY4571924774 — Manifest Document No. 9601.5

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
AFBCA/DAP Suite 2210
126 US OVAL PLATTSBURGH, NY 12903
518 563-2671

A. State Manifest Document Number: CT F0489289

B. G.S.I. (Gen. Site Address): SAME

4. Generator's Phone ( )

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES

6. US EPA ID Number: CTD021816889

C. S.T.I. (Trans. Lic. Plate #): STDL

D. Tran. Phone (203) 238-6745

7. Transporter 2 Company Name

8. US EPA ID Number

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone ( )

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
136 GRACEY AVE
MERIDEN, CT 06451

10. US EPA ID Number: CTD021816889

G. State Facility's ID (Not Required)

H. Facility's Phone (203) 238-6745

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (gasoline, benzene) 3, UN1993, PGII ERG#28 (JP-4, Diesel, FS#2)	001	TT	05500	G	EPA D001/D018 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. JP4/GAS/HEATING OIL/FS#2 DIESEL/BENZENE
c.
b.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final	Interim	Final
a.	S02 N.Y-B		c.	
b.			d.	

15. Special Handling Instructions and Additional Information
3402AFG EMERGENCY 24 HR PHONE: (203) 238-6745
EMERGENCY RESPONSE GUIDE BOOK: GUIDE # 28
WEAR APPROPRIATE PPE

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
STEPHEN G. GAGNIER		06	05	96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Keith R Murphy		06	05	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Patricia Hunter		06	05	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

COPY 3: FACILITY TO GENERATOR

COPY 3: FACILITY TO GENERATOR

CT F 0489289

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N Y 4 5 7 1 9 2 4 7 7 4 — Manifest Document No.: 9606 16

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
AFRCA/OL-3A
324 US OVAL PLATTSBURGH, NY 12903
4. Generator's Phone (518) 563-2871

A. State Manifest Document Number: CT F 0489314

B. G.S.I. (Gen. Site Address): SAME

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES
6. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

C. S.T.I. (Trans. Lic. Plate #): CT V-21932

7. Transporter 2 Company Name
8. US EPA ID Number

D. Tran. Phone (203) 238-6715

9. Designated Facility Name and Site Address
[illegible] RECOVERY INC
136 GRACEY AVE
MERIDEN, CT 06451
10. US EPA ID Number: C T D 0 2 1 6 1 6 8 8 9

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone (203) 238-6745

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (gasoline, benzene) 3, UN1993, PGII	001	TT	X5300	G	EPA D001/D018 STATE [illegible]
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. JP-4/GASOLINE/OIL
b.
c.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.	S02		c.		
b.			d.		

15. Special Handling Instructions and Additional Information
[illegible] EMERGENCY 24 HR PHONE: (203) 238-6745
EMERGENCY RESPONSE GUIDE BOOK: GUIDE #27

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
Brian S. Baker		06	06	96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Allen A. Theriault		06	06	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
LISA A. BURKE		06	06	96

PA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

GENERATOR

COPY 3: FACILITY TO GENERATOR

CT F 0489314

COPY 3: FACILITY TO GENERATOR

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St, Hartford, CT 06106-5127

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N Y 4 5 7 1 9 2 4 7 7 4 — Manifest Document No.: 960/8

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
APBCA/ DAE SUITE 2210
426 US OVAL PLATTSBURGH, NY 12903

4. Generator's Phone (518) 563-2871

A. State Manifest Document Number: **CT F 0489345**

B. G.S.I. (Gen. Site Address): SAME

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES
6. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

C. S.T.I. (Trans. Lic. Plate #): S7761 CT

7. Transporter 2 Company Name
8. US EPA ID Number

D. Tran. Phone ( )

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
136 GRACEY AVE
MERIDEN, CT 06451
10. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone: (203)238-6745

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (gasoline, benzene), 9, UN1993, PGII ERG# 28 (JP4, Diesel, FS#2)	0 0 1	T T	0 5 4 8 0	G	EPA D001/D018 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. JP-4, GASOLINE, HEATING OIL FS#2, DIESEL, BENZENE
c.
b.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final	Interim	Final
a.	S02 NY13		c.	
b.			d.	

15. Special Handling Instructions and Additional Information
2402AFG EMERGENCY 24 HR PHONE: (203) 238-6745
EMERGENCY RESPONSE GUIDE BOOK: GUIDE # 28
WEAR APPROPRIATE PPE

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
STEPHEN G. RAGNIER		06	10	96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Keith N Murphy		06	10	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Patricia Hunter		06	10	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

BEC

COPY 3: FACILITY TO GENERATOR

COPY 3: FACILITY TO GENERATOR

CT F 0489345

GENERATOR

TRANSPORTER

FACILITY

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. / Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but may be required by State law.
	N Y 4 5 7 1 9 2 4 7 7 4 / 96017		

Generator's Name and Mailing Address
AFRICA DAP SUITE 2210
[illegible] US OVAL PLATTSBURGH, NY 12903
518 563-2871

4. Generator's Phone ( )

A. State Manifest Document Number: CT F 0489324

B. G.S.I. (Gen. Site Address): SAME

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES
6. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

7. Transporter 2 Company Name
8. US EPA ID Number

C. S.T.I. (Trans. Lic. Plate #) SAME
D. Tran. Phone (203) 238-5745

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
135 BRACEY AVE
MERIDEN, CT 06451
10. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

E. S.T.I. (Trans. Lic. Plate #)
F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone (203) 238-5745

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (Gasoline, benzene) 3, UN1993, PGII ERG #128 (JP4, Diesel, FS#2)	001	TT	05400	G	EPA D001/D018 STATE [illegible]
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above

a. JP4, GASOLINE, HEATING OIL FS#2, Diesel, Benzene
c.
b.
d.

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. SO2 NY-B		c.	
b.		d.	

15. Special Handling Instructions and Additional Information
SPECIAL EMERGENCY OR RE PHONE: (203) 238-5745
EMERGENCY RESPONSE GUIDE BOOK: GUIDE #128
WEAR APPROPRIATE PPE

Point of Departure:

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Printed/Typed Name	Signature	Month Day Year
STEPHEN C GRANT	[signature]	05 07 96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Keith A Murphy	[signature]	05 07 96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
LISA A. Burke	[signature]	05 07 96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

COPY 3: FACILITY TO GENERATOR

GENERATOR

COPY 3: FACILITY TO GENERATOR

CT F 0489324

COPY 3: FACILITY TO GENERATOR

EPHM-2 REV. 11/94

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

FOR STATE USE ONLY

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N Y 4 5 7 1 9 2 4 7 7 4 — Manifest Document No. 96018

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
AFBCA/DAP Suite 2210
426 US OVAL PLATTSBURGH, NY 12903
518 563-2871

4. Generator's Phone ( )

A. State Manifest Document Number **CT F0491629**

B. G.S.I. (Gen. Site Address) SAME

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES
6. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

C. S.T.I. (Trans. Lic. Plate #) CTV-21972

7. Transporter 2 Company Name
8. US EPA ID Number

D. Tran. Phone (203) 238-6745

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
136 GRACEY AVE
MERIDEN, CT 06451
10. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone (203)238-6745

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (GASOLINE, BENZENE) 3, UN1993, PGII ERG#28 (JP4, Diesel, FS-2)	0 0 1	T T	X5300	G	EPA D001/D018 STATE D001
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. JP-4, GASOLINE, OIL
FS#2, Diesol, Benzene
c.
b.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final	Interim	Final
a.	SO-2 NY-8		c.	
b.			d.	

15. Special Handling Instructions and Additional Information
3402AFG EMERGENCY 24 HR PHONE: (203) 238-6745
EMERGENCY RESPONSE GUIDE BOOK: GUIDE #28
WEAR APPROPRIATE PPE

Point of Departure:

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Printed/Typed Name	Signature	Month	Day	Year
STEPHEN G. GRAGNIER		06	13	96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Allen A. Theriault		06	13	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
LISA A Burke		06	13	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

GENERATOR

COPY 3: FACILITY TO GENERATOR

CT F 0491629

COPY 3: FACILITY TO GENERATOR

DPHH-2 REV. 11/94

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

FOR STATE USE ONLY

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N Y 4 5 7 2 4 7 7 4 — Manifest Document No. 96019 — 2. Page 1 of — Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
ADCA/DAP SUITE 2210
US OVAL PLATTSBURGH, NY 12903
518 563-2871

A. State Manifest Document Number: CT F 0491630

B. G.S.I. (Gen. Site Address): SAME

4. Generator's Phone ( )

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES — 6. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

7. Transporter 2 Company Name — 8. US EPA ID Number

C. S.T.I. (Trans. Lic. Plate #) 203 238-6745 — D. Tran. Phone ( )

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
136 GRACEY AVE
MERIDEN, CT 06451

10. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone ( )

G. State Facility's ID (Not Required) (203) 238-6745

H. Facility's Phone

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (GASOLINE, BENZENE) 3, UN1993, PGII ERG#28 (JP-4, Diesel, FS#2)	001	TT	5400	G	EPA D001/D018 STATE D021
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. JP-4, GASOLINE, OIL FS#2, Diesel, BENZENE
b.
c.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final	Interim	Final
a.	SO-2		c.	
b.	UY-B		d.	

15. Special Handling Instructions and Additional Information
SUZAFO EMERGENCY 24 HR PHONE: (203) 238-6745
EMERGENCY RESPONSE GUIDE BOOK: GUIDE # 28
WEAR APPROPRIATE PPE

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
STEPHEN C CAMPION		06	13	96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Keith A Murphy		06	13	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
LISA A BURKE	Lisa A. Burke	06	13	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

COPY 3: FACILITY TO GENERATOR

GENERATOR TRANSPORTER FACILITY

COPY 3: FACILITY TO GENERATOR

CT F 0491630

DEPARTMENT OF ~~ENVIRO~~NMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. NY4571924774 Manifest Document No. 000274	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but may be required by State law.

GENERATOR

3. Generator's Name and Mailing Address
AFBCA/DAP SUITE 2210
324 US OVAL PLATTSBURGH, NY 12903
518 563-2871

4. Generator's Phone ( )

A. State Manifest Document Number: CT F 0491672

B. G.S.I. (Gen. Site Address): SAME

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES
6. US EPA ID Number: CTD021816889

C. S.T.I. (Trans. Lic. Plate #): CT V-21982

7. Transporter 2 Company Name
8. US EPA ID Number

D. Tran. Phone (203) 238-6745

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
135 GRACEY AVE
MERIDEN, CT 06451
10. US EPA ID Number: CTD021816889

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone (203)238-6745

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (GASOLINE, BENZENE) 3, UN1993, PGII	001	TT	5300	G	EPA D001, D018 STATE D001
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above			
		Interim	Final	Interim	Final
a. JP-4, GASOLINE, OIL	c.	a. S02		c.	
b.	d.	b.		d.	

15. Special Handling Instructions and Additional Information
3402AFC EMERGENCY 24 HR PHONE: (203) 238-6745
ENERGENCY RESPONSE GUIDE BOOK: GUIDE # 27

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Brady B. Baker		06	17	96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Allen A. Theriault		06	17	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
LISA A. BURKE		06	18	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

COPY 3: FACILITY TO GENERATOR

COPY 3: FACILITY TO GENERATOR

CT F 0491672

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

FOR STATE USE ONLY

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. NY4571924774 Manifest Document No. 96021	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but may be required by State law.

GENERATOR

Generator's Name and Mailing Address
AFBCA/DAP SUITE 2210
126 US OVAL PLATTSBURGH, NY 12903
4. Generator's Phone (518 563-2871)

A. State Manifest Document Number: CT F 0491698

B. G.S.I. (Gen. Site Address): SAME

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES
6. US EPA ID Number: CTD021816889

C. S.T.I. (Trans. Lic. Plate #): CTV21932

7. Transporter 2 Company Name
8. US EPA ID Number

D. Tran. Phone (203) 238-6745

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
135 GRACEY AVE
MERIDEN, CT 06451
10. US EPA ID Number: CTD021816889

E. S.T.I. (Trans. Lic. Plate #)
F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone (203)238-6745

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HW WASTE FLAMMABLE LIQUIDS, NOS (Gasoline, Benzene) 3, UN1993, PGII ERG# 28 (JP4, Diesel, FS2)	001	TT	X5300	G	EPA D001/D018 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

Additional Descriptions for Materials Listed Above

a. JP-4/GAS/OIL/FS#2/ Diesel/Benzene

b.

c.

d.

K. Handling Codes for Wastes Listed Above

a. Interim	Final	c. Interim	Final
SO-2 NY-B			
b.		d.	

15. Special Handling Instructions and Additional Information
2402AFG EMERGENCY 24 HR PHONE: (203) 238-6745
EMERGENCY RESPONSE GUIDE BOOK: GUIDE # 128
WEAR APPROPRIATE PPE

Point of Departure:

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Printed/Typed Name	Signature	Month	Day	Year
STEPHEN G. GRENIER		06	18	96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Allen A. Theriault		06	18	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
LISA A. BURKE		06	18	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

COPY 3: FACILITY TO GENERATOR

COPY 3: FACILITY TO GENERATOR

CT F 0491698

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N.Y.4.5.7.1.9.2.4.7.7.4 — Manifest Document No.: 9.6.0.2.2

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
AFBCA/DAP SUITE 2210
426 US OVAL PLATTSBURGH, NY 12903

4. Generator's Phone (518) 563-2871

A. State Manifest Document Number: CT F0491699

B. G.S.I. (Gen. Site Address): SAME

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES

6. US EPA ID Number: C.T.D.0.2.1.8.1.6.8.8.9

7. Transporter 2 Company Name

8. US EPA ID Number

C. S.T.I. (Trans. Lic. Plate #) 51251 C

D. Tran. Phone (203) 238-6745

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
136 GRACEY AVE
MERIDEN, CT 06451

10. US EPA ID Number: C.T.D.0.2.1.8.1.6.8.8.9

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone (203)238-6745

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (Gasoline, Benzene) 3, UN1993, PGII ERG#28 (PS#2 DIESEL, JP4)	0.0.1	T.T	5425	G	EPA D001, D018 STATE D001
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. JP-4/GAS/OIL
b.
c.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final	Interim	Final
a.	SO-2 NY-B		c.	
b.			d.	

15. Special Handling Instructions and Additional Information
3402AFG EMERGENCY 24 HR PHONE: (203) 238-6745
EMERGENCY RESPONSE GUIDE BOOK: GUIDE # #28
WEAR APPROPRIATE PPE

Point of Departure:

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Printed/Typed Name	Signature	Month	Day	Year
STEPHEN G CRAWFORD		06	18	96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Keith N Murphy		06	18	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
LISA A. BURKE		06	18	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

GENERATOR

COPY 3: FACILITY TO GENERATOR

CT F 0491699

COPY 3: FACILITY TO GENERATOR

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N.Y.4.5.7.1.9.2.4.7.7.4 — Manifest Document No.: 96002

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
AFBCA/DAP SUITE 2210
US OVAL PLATTSBURGH, NY 12903

4. Generator's Phone (518) 563-2871

A. State Manifest Document Number: CT F 0598145

B. G.S.I. (Gen. Site Address): SAME

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES

6. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

7. Transporter 2 Company Name:

8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #):

D. Tran. Phone (203) 238-6745

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
136 GRACEY AVE
MERIDEN, CT 06451

10. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

E. S.T.I. (Trans. Lic. Plate #):

F. Tran. Phone ( ):

G. State Facility's ID (Not Required):

H. Facility's Phone (203)238-6745

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (GASOLINE, BENZENE) 3, UN1993, PGII	0 0 1	T T	X5490	G	EPA D001/D018 STATE D001
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. JP-4/OIL/GAS/WATER
c.
b.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.	S02		c.		
b.			d.		

15. Special Handling Instructions and Additional Information
3394AFG EMERGENCY 24 HR PHONE: (203) 238-6745
EMERGENCY RESPONSE GUIDE BOOK: GUIDE # 128
WEAR APPROPRIATE PPE

Point of Departure:

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Printed/Typed Name	Signature	Month	Day	Year
STEPHEN G. GEORGIA		10	28	96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Keith N Mayo		10	28	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Patricia Hunter		10	28	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

GENERATOR

TRANSPORTER

FACILITY

COPY 3: FACILITY TO GENERATOR

CT F0598145

COPY 3: FACILITY TO GENERATOR

EPHM-2 REV. 11/94

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

FOR STATE USE ONLY

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N.Y.4.5.7.1.9.2.4.7.7.4 — Manifest Document No. 96024

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
AFBCA/DAP SUITE 2210
US OVAL PLATTSBURGH, NY 12903

4. Generator's Phone (518) 563-2871

A. State Manifest Document Number: CT F 0598174

B. G.S.I. (Gen. Site Address): SAME

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES
6. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

7. Transporter 2 Company Name
8. US EPA ID Number

C. S.T.I. (Trans. Lic. Plate #) S77572
D. Tran. Phone (203) 238-6745

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
136 GRACEY AVE
MERIDEN, CT 06451
10. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

E. S.T.I. (Trans. Lic. Plate #)
F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone (203) 238-6745

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (GASOLINE, BENZENE) 3, UN1993, PGII	0.0.1	T.T	15500	G	EPA D001/D018 STATE [illegible]
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above			
		Interim	Final	Interim	Final
a. JP4, GASOLINE, OIL, WATER	c.	a.		c.	
b.	d.	b.		d.	

15. Special Handling Instructions and Additional Information
3394AFG EMERGENCY 24 HR PHONE: (203) 238-6745
EMERGENCY RESPONSE GUIDE BOOK: GUIDE #128
WEAR APPROPRIATE PPE

Point of Departure:

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Printed/Typed Name	Signature	Month	Day	Year
STEPHEN G. GAGNIER	[signature]	10	29	96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Keith R Murph	[signature]	10	29	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Patrick Hunter	[signature]	10	29	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

GENERATOR

COPY 3: FACILITY TO GENERATOR

CT F 0598174

COPY 3: FACILITY TO GENERATOR

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

FOR STATE USE ONLY

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but may be required by State law.
	N.Y.4.5.7.1.9.2.4.7.7.4	96025		

Generator

3. Generator's Name and Mailing Address
AFRCA/DAP SUITE 2210
US OVAL PLATTSBURGH, NY 12903
4126
4. Generator's Phone (518) 563-2871

A. State Manifest Document Number: CT F 0598201

B. G.S.I. (Gen. Site Address): SAME

Transporter 1

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES
6. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

C. S.T.I. (Trans. Lic. Plate #): CTV06500

Transporter 2

7. Transporter 2 Company Name:
8. US EPA ID Number:

D. Tran. Phone (203) 238-6745

Facility

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
136 GRACEY AVE
MERIDEN, CT 06451
10. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

E. S.T.I. (Trans. Lic. Plate #):
F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone (203)238-6745

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE FLAMMABLE LIQUIDS, NOS (GASOLINE, BENZENE) 3, UN1993, PGII	0 0 1	T T	49.14	G	EPA D001/D018 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above			
		Interim	Final	Interim	Final
a. JP-4 and WATER	c.	a.		c.	
b.	d.	b.		d.	

15. Special Handling Instructions and Additional Information
3394AFB EMERGENCY 24 HR PHONE: (203) 238-6745
EMERGENCY RESPONSE GUIDE BOOK: GUIDE # 128
WEAR APPROPIZIATE PPE
Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
STEPHEN G. GAGNIER		10	30	96

Transporter

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
GARY MCKINSTRY	Gary McKinstry	10	30	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

Facility

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
		10	30	96

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039. Expires 9/30/96. Previous edition is obsolete.

COPY 3: FACILITY TO GENERATOR

COPY 3: FACILITY TO GENERATOR

CT F 0598201

APPENDIX C2
UNIFORM MANIFESTS FOR INTRASTATE MOVEMENTS OF AUTOMOTIVE FUEL

FT-970 (2/90) New York State Department of Taxation and Finance

Uniform Manifest for Intrastate Movements of Automotive Fuel
(Motor Fuel and Diesel Motor Fuel)

Print or type all entries

I Transporter

1. Manifest number: 017
2. Name of transporter: Main -Care
3. Automotive fuel carrier number (AFC permit number): V09761
4. Barge name or identification number: N/A

II Distribution

5. Distributor's name (owner of product being sold): Main Brothers Oil Co., Inc.
6. NYS diesel motor fuel registration number of owner of product being sold: 146024844 D- R- K-

Note: Part II must be completed only for movements of diesel motor fuel (including heating oil) originating within New York State. The distributor's name must appear on the current Tax Department list of registered Distributors of Diesel Motor Fuel, Retailers of Heating Oil Only or Distributors of Kero-Jet Fuel Only for the product transported.

III Loading

7. Terminal or site where the automotive fuel was loaded (name and address): Plattsburgh AFB
8. Date and time loaded: 11-25-95
9. Account from which automotive fuel was drawn (name and address or account number): Main Brothers Oil Co., Inc. P.O. Box 11029, Albany, NY 12211
10. Carryover, if any, from Manifest No. _____ Type _____ gal. _____ meter reading (optional) _____
Type _____ gal. _____ meter reading (optional) _____
Type _____ gal. _____ meter reading (optional) _____
11. Number of gallons of each type of automotive fuel loaded UN1863 #III ERG 27

Motor Fuel		Diesel Motor Fuel	
Leaded	gal.	Diesel	gal.
Regular Unleaded	gal.	Kerosene 1500	gal.
Mid-grade Unleaded	gal.	No. 2 Fuel Oil	gal.
Premium Unleaded	gal.	Other	gal.
Other	gal.	Type JP-4	
Type			

IV Off-loading

12. Delivery point(s) where automotive fuel is to be off-loaded.

Complete item 12A below for each delivery. For deliveries by truck, you may instead attach delivery tickets or invoices and complete item 12B or item 12C below. See the instructions for further details.

Delivery tickets or invoices for taxable deliveries may be attached only if all deliveries are taxable (see item 12B below).

In all other cases, delivery tickets or invoices may be attached if item 12C is completed. If any taxable deliveries are then to be made, those taxable deliveries would be listed in item 12A (see item 12C below).

A. Delivery points:

Name	Delivery location	Date	Time	Quantity	Type
Main -Care	Albany NY	11-25-95		1500	JP-4

B. Delivery tickets for taxable deliveries:

1. Are delivery tickets or invoices for multiple taxable deliveries attached? NO

Note: Delivery tickets or invoices may be attached only if all deliveries are taxable. Generally, in the case of motor fuel, all deliveries are taxable except those to be made to a federal, state or local government agency and those to be made to a qualified hospital. With respect to diesel motor fuel, taxable deliveries include, but are not limited to, deliveries of enhanced or blended diesel motor fuel, deliveries of all diesel motor fuel to a service station, and deliveries of all diesel motor fuel to construction sites.

C. Delivery tickets for nontaxable deliveries:

1. Are delivery tickets or invoices for multiple nontaxable deliveries attached? NO

Note: If the driver of the vehicle is to make any taxable deliveries (see above) during his or her work shift as well, then delivery tickets or invoices for those deliveries cannot be attached. Item 12A above would have to be completed for each taxable delivery.

V Carryover

13. Enter the number of gallons, if any, to be carried over to new manifest (and/or the meter reading, if used).

Type of fuel _____ gal. _____ and/or meter reading _____ New manifest number _____

Type of fuel _____ gal. _____ and/or meter reading _____ New manifest number _____

This manifest may only be used for movements of automotive fuel that originate within New York State. Transporters that transport automotive fuel through New York State or that import automotive fuel into New York State must complete and carry Form FT-960; all other transporters must complete and carry Form FT-970. The manifest must be produced for inspection upon the request of a police officer or a representative of the Tax Department, and must be identifiable by the assignment by the transporter of a "manifest number."

Failure to carry a manifest or carrying one that is not complete in every material respect is a crime and may result in the seizure or forfeiture of both the vessel or vehicle transporting the fuel and its contents.

It is a felony to willfully prepare a manifest that is known to be not correct in every material respect, or to produce for inspection a manifest that is known to be false in any material matter.

FT-970 (2/90) New York State Department of Taxation and Finance

Uniform Manifest for Intrastate Movements of Automotive Fuel
(Motor Fuel and Diesel Motor Fuel)

Print or type all entries

I Transporter

1. Manifest number: 018
2. Name of transporter: Main - Cone
3. Automotive fuel carrier number (AFC permit number): 109736 -
4. Barge name or identification number: N/A

II Distribution

5. Distributor's name (owner of product being sold): Main Brothers Oil Co., Inc.
6. NYS diesel motor fuel registration number of owner of product being sold: 146024844 D- R- K-

Note: Part II must be completed only for movements of diesel motor fuel (including heating oil) originating within New York State. The distributor's name must appear on the current Tax Department list of registered Distributors of Diesel Motor Fuel, Retailers of Heating Oil Only or Distributors of Kero-Jet Fuel Only for the product transported.

III Loading

7. Terminal or site where the automotive fuel was loaded (name and address): Plattsburgh AFB - Plattsburgh NY
8. Date and time loaded: 11-21-95
9. Account from which automotive fuel was drawn (name and address or account number): Main Brothers Oil Co., Inc. P.O. Box 11029, Albany, NY 12211
10. Carryover, if any, from Manifest No. _____ Type _____ gal. _____ meter reading (optional) _____
Type _____ gal. _____ meter reading (optional) _____
Type _____ gal. _____ meter reading (optional) _____
11. Number of gallons of each type of automotive fuel loaded UN563 - FRG - 77 III

Motor Fuel		Diesel Motor Fuel	
Leaded	gal.	Diesel	gal.
Regular Unleaded	gal.	Kerosene 3200	gal.
Mid-grade Unleaded	gal.	No. 2 Fuel Oil	gal.
Premium Unleaded	gal.	Other	gal.
Other	gal.	Type JP-4	
Type			

IV Off-loading

12. Delivery point(s) where automotive fuel is to be off-loaded.

Complete item 12A below for each delivery. For deliveries by truck, you may instead attach delivery tickets or invoices and complete item 12B or item 12C below. See the instructions for further details.

Delivery tickets or invoices for taxable deliveries may be attached only if all deliveries are taxable (see item 12B below).

In all other cases, delivery tickets or invoices may be attached if item 12C is completed. If any taxable deliveries are then to be made, those taxable deliveries would be listed in item 12A (see item 12C below).

A. Delivery points:

Name	Delivery location	Date	Time	Quantity	Type
Main - Cone	Albany NY	11-22-95		3200	JP-4

B. Delivery tickets for taxable deliveries:

1. Are delivery tickets or invoices for multiple taxable deliveries attached? no

Note: Delivery tickets or invoices may be attached only if all deliveries are taxable. Generally, in the case of motor fuel, all deliveries are taxable except those to be made to a federal, state or local government agency and those to be made to a qualified hospital. With respect to diesel motor fuel, taxable deliveries include, but are not limited to, deliveries of enhanced or blended diesel motor fuel, deliveries of all diesel motor fuel to a service station, and deliveries of all diesel motor fuel to construction sites.

C. Delivery tickets for nontaxable deliveries:

1. Are delivery tickets or invoices for multiple nontaxable deliveries attached? No

Note: If the driver of the vehicle is to make any taxable deliveries (see above) during his or her work shift as well, then delivery tickets or invoices for those deliveries cannot be attached. Item 12A above would have to be completed for each taxable delivery.

V Carryover

13. Enter the number of gallons, if any, to be carried over to new manifest (and/or the meter reading, if used).

Type of fuel _____ gal. _____ and/or meter reading _____ New manifest number _____

Type of fuel _____ gal. _____ and/or meter reading _____ New manifest number _____

This manifest may only be used for movements of automotive fuel that originate within New York State. Transporters that transport automotive fuel through New York State or that import automotive fuel into New York State must complete and carry Form FT-960; all other transporters must complete and carry Form FT-970. The manifest must be produced for inspection upon the request of a police officer or a representative of the Tax Department, and must be identifiable by the assignment by the transporter of a "manifest number."

Failure to carry a manifest or carrying one that is not complete in every material respect is a crime and may result in the seizure or forfeiture of both the vessel or vehicle transporting the fuel and its contents.

It is a felony to willfully prepare a manifest that is known to be not correct in every material respect, or to produce for inspection a manifest that is known to be false in any material matter.

FT-970 (2/90) New York State Department of Taxation and Finance

Uniform Manifest for Intrastate Movements of Automotive Fuel
(Motor Fuel and Diesel Motor Fuel)

Print or type all entries

I Transporter

1. Manifest number: 019
2. Name of transporter: Main-Care
3. Automotive fuel carrier number (AFC permit number): 10976
4. Barge name or identification number: N/A

II Distribution

5. Distributor's name (owner of product being sold): Main Brothers Oil Co., Inc.
6. NYS diesel motor fuel registration number of owner of product being sold: 146024844 D- R- K-

Note: Part II must be completed only for movements of diesel motor fuel (including heating oil) originating within New York State. The distributor's name must appear on the current Tax Department list of registered Distributors of Diesel Motor Fuel, Retailers of Heating Oil Only or Distributors of Kero-Jet Fuel Only for the product transported.

III Loading

7. Terminal or site where the automotive fuel was loaded (name and address): Plattsburgh AFB - Plattsburgh N.Y.
8. Date and time loaded: 11-30-95
9. Account from which automotive fuel was drawn (name and address or account number): Main Brothers Oil Co., Inc. P.O. Box 11029, Albany, NY 12211
10. Carryover, if any, from Manifest No. _____ Type _____ gal. _____ meter reading (optional) _____
Type _____ gal. _____ meter reading (optional) _____
Type _____ gal. _____ meter reading (optional) _____
11. Number of gallons of each type of automotive fuel loaded UN1863 - III ERG #27

Motor Fuel		Diesel Motor Fuel	
Leaded	gal.	Diesel	gal.
Regular Unleaded	gal.	Kerosene	2700 gal.
Mid-grade Unleaded	gal.	No. 2 Fuel Oil	gal.
Premium Unleaded	gal.	Other	gal.
Other	gal.	Type	JP-4
Type			

IV Off-loading

12. Delivery point(s) where automotive fuel is to be off-loaded.

Complete item 12A below for each delivery. For deliveries by truck, you may instead attach delivery tickets or invoices and complete item 12B or item 12C below. See the instructions for further details.

Delivery tickets or invoices for taxable deliveries may be attached only if all deliveries are taxable (see item 12B below).

In all other cases, delivery tickets or invoices may be attached if item 12C is completed. If any taxable deliveries are then to be made, those taxable deliveries would be listed in item 12A (see item 12C below).

A. Delivery points:

Name	Delivery location	Date	Time	Quantity	Type
Main-Care	Albany NY	11-30-95		2700	JP-4

B. Delivery tickets for taxable deliveries:

1. Are delivery tickets or invoices for multiple taxable deliveries attached? NO

Note: Delivery tickets or invoices may be attached only if all deliveries are taxable. Generally, in the case of motor fuel, all deliveries are taxable except those to be made to a federal, state or local government agency and those to be made to a qualified hospital. With respect to diesel motor fuel, taxable deliveries include, but are not limited to, deliveries of enhanced or blended diesel motor fuel, deliveries of all diesel motor fuel to a service station, and deliveries of all diesel motor fuel to construction sites.

C. Delivery tickets for nontaxable deliveries:

1. Are delivery tickets or invoices for multiple nontaxable deliveries attached? NO

Note: If the driver of the vehicle is to make any taxable deliveries (see above) during his or her work shift as well, then delivery tickets or invoices for those deliveries cannot be attached. Item 12A above would have to be completed for each taxable delivery.

V Carryover

13. Enter the number of gallons, if any, to be carried over to new manifest (and/or the meter reading, if used).

Type of fuel _____ gal. _____ and/or meter reading _____ New manifest number _____

Type of fuel _____ gal. _____ and/or meter reading _____ New manifest number _____

This manifest may only be used for movements of automotive fuel that originate within New York State. Transporters that transport automotive fuel through New York State or that import automotive fuel into New York State must complete and carry Form FT-960; all other transporters must complete and carry Form FT-970. The manifest must be produced for inspection upon the request of a police officer or a representative of the Tax Department, and must be identifiable by the assignment by the transporter of a "manifest number."

Failure to carry a manifest or carrying one that is not complete in every material respect is a crime and may result in the seizure or forfeiture of both the vessel or vehicle transporting the fuel and its contents.

It is a felony to willfully prepare a manifest that is known to be not correct in every material respect, or to produce for inspection a manifest that is known to be false in any material matter.

APPENDIX C3
HAZARDOUS WASTE MANIFEST - OWS-3400 CONTENTS

DNR WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Part 121 of Act 451, 1994, as amended
10A~
Failure to file may subject you to criminal and/or civil penalties, under Sections 324.11151 or 324.12116 MCL.

Please print or type.

Form Approved. OMB No. 2050-0039 Expires 9-3

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NY6571924774 Manifest Document No. 6010 2

2. Page 1 of 1

Information in the shaded area is not required by Federa law.

3. Generator's Name and Mailing Address
AFBCA/DAP/Attsburgh
426 US Oval, Suite 2200, Plattsburgh, NY 12903
4. Generator's Phone (518) 563-2871

A. State Manifest Document Number
MI 4640766
B. State Generator's ID
Plattsburgh Air Force Base

5. Transporter 1 Company Name
Price Trucking Corp.
6. US EPA ID Number NYD046765574
C. State Transporter's ID 3172AL
D. Transporter's Phone 518-563-2871

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
Michigan Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
10. US EPA ID Number MID980994343
G. State Facility's ID
H. Facility's Phone 313-697-7830

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Hazardous Waste, Solid, n.o.s. (trichloroethylene contaminated ~~sludge~~ soil), 9, NA3077, PGIII (D040)	001	DM	44320	P	D040
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PO #CE0174
Approval # 121396 ~~MM~~

K. Handling Codes for Wastes Listed Above
L
a/ /
b/ /
c/ /
d/ /

15. Special Handling Instructions and Additional Information
Certificates of Disposal Required
Wear appropriate PPE P1396 MM Emergency Phone No: 703-866-9199 ERG #171

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determin to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes t present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my wa generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: Signature: Date: Month 12 Day 16 Y

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: LARRY A. SMITH Signature: Date: Month 12 Day 16 Y
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Date: Month Day Y

FACILITY

19. Discrepancy Indication Space
MD / RECEIVED 44320 LBS AT 22TON

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: James M. Comes Jr. Signature: Date: Month 12 Day 19 Y

ALL ITEMS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

EPA Form 8700-22 (Rev. 9/88). PR 5 Rev.

GENERATOR 2nd COPY

APPENDIX C4
HAZARDOUS WASTE MANIFEST - OTH-2774 CONTENTS

48-14-1 (4/96)–7a

4/2120

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFES.

P.O. Box 12820, Albany, New York 12212

Please print or type. Do not Staple.

Form Approved. OMB No. 2050-0039. Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal Law.
N Y 4 5 7 1 9 2 4 7 7 4	0 0 0 0	1	

3. Generator's Name and Mailing Address
AFRCA/DAPA Plattsburgh
426 US Oval, Suite 2210
Plattsburgh, NY 12903

4. Generator's Phone (518) 563-2871

A. State Manifest Document No. NY B 839117 7

B. Generator's ID

5. Transporter 1 (Company Name)	6. US EPA ID Number	C. State Transporter's ID
Price Trucking Corp.	N Y D 0 4 6 7 6 5 5 7 4	D. Transporter's Phone (716) 822-3790
7. Transporter 2 (Company Name)	8. US EPA ID Number	E. State Transporter's ID 72473
		F. Transporter's Phone ( )

9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility's ID
North East Chemical Corp. 3301 Monroe Ave. Cleveland, OH 44113	O H D 9 8 0 6 8 1 5 7 1	H. Facility's Phone (216) 961-8618

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Hazardous Waste, Liquid, n.o.s. (Trichloroethylene, Chlorobenzene), 9, NA3082, PGIII (D040)	0 1 2	D M	0 0 0 6 6 0	C	EPA D040 STATE
b. Nonregulated Material, n.o.s. (PPE Saturated With #6 Oil), Nonregulated, None, N/A (NO11)	0 0 2	D M	0 0 0 5 0 0	P	EPA STATE NO11
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. Trichloroethylene Cont. Water (L,T)
b. #6 Oil Saturated PPE (S,N/A)

K. Handling Codes for Wastes Listed Above
a. B c.
b. L d.

15. Special Handling Instructions and Additional Information
Certificates of Disposal Required
Wear Appropriate PPE RQ: CFO 174 24-HR Emerg. No: 703-866-9199
ERG Nos: 11a. #171; 11b N/A
Approval Nos: 11a. 30766 11b. 30767

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo. Day Year
STEPHEN G GAGNET		11 21 13 96

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name	Signature	Mo. Day Year
R. Lombardo		12 1 96

18. Transporter 2 (Acknowledgement or Receipt of Materials)

Printed/Typed Name	Signature	Mo. Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Mo. Day Year
Paul Shimko		12 16 96

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

STEVE – BEC MA

COPY 5–Generator-mailed by TSD facility

In case of emergency or spill immediately call the National Response Center (424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

APPENDIX D
IMPORTED BORROW SAMPLING AND ANALYSIS SUMMARY

OHM Remediation
Services Corp.
A Subsidiary of OHM Corporation

February 11, 1997

Mr. Joseph Szot, AFCEE Field Engineer
AFCEE/DAP
426 US Oval, Suite 2210
Plattsburgh, NY 12903

RE: Contract No. F41624-94-D-8106
Delivery Order No. 0006
Plattsburgh Air Force Base, New York
Summary of Backfill Material Sources

Dear Joe:

As requested on 02/07/97, a summary of the sampling events at the different backfill material sources has been compiled. There have been a total of four sand pits that were sampled during remediation activities for Delivery Orders 003 and 006. Each pit was a potential source of backfill material for various excavations throughout the Base. The pits were sampled and analyzed for full TCLP analyses to ensure that the backfill material could be classified as non-hazardous. None of the analyses revealed compounds at concentrations that would characterize any of the samples as hazardous material.

The four sand pits that were sampled are: Joe Ormsby's Lapham Mills Road Pit (Peru, NY), Joe Ormsby's Christian Pit (Peru, NY), Barry White's Shingle Street Pit (Schuyler Falls, NY) and Plattsburgh Quarry's Ad Cock Pit (Morrisonville, NY). The sampling activities at these various sand pits are summarized below:

11/29/95: A composite sample (CF-001) was collected from Ormsby's Lapham Mills Road Sand Pit. The analysis results are included in the Sampling & Analysis Report dated 12/05/95.

06/04/96: A composite sample (CF-002A) was collected from Ormsby's Lapham Mills Road Sand Pit. The analysis results are included in the Sampling & Analysis Report dated 06/10/96.

06/25/96: A composite sample (ADCOCKPIT-01) was collected from Plattsburgh Quarry's Ad Cock Pit. The sample was analyzed but this pit was never used as a backfill material source due to accounting problems.

07/19/96: A composite sample (CF-719) was collected from Ormsby's Lapham Mills Road Sand Pit. The analysis results are included in the Sampling & Analysis Report dated 07/30/96.

07/24/96: Composite samples (SCF-1 and SCF-2) were collected from Barry White's Shingle Street Sand Pit. Only the sample SCF-1 was analyzed because the sand pit was not used as a backfill source, at this time, due to a contractual problem. The results for the analysis are included in the Sampling & Analysis Report dated 07/31/96.

07/25/96: A composite sample (CFCP-1) was collected from Ormsby's Christian Pit. The analysis results are included in the Sampling & Analysis Report dated 08/01/96. This pit was scheduled to be used as the new backfill material source but was never used.

08/13/96: A composite sample (CF-813) was collected from Ormsby's Lapham Mills Road Sand Pit. The analysis results are included in the Sampling & Analysis Report dated 08/23/96.

10/10/96: A composite sample (CF-1010) was collected from Ormsby's Lapham Mills Road Sand Pit. The analysis results are included in the Sampling & Analysis Report dated 10/31/96.

11/20/96: A composite sample (CF-1120) was collected from Ormsby's Lapham Mills Road Sand Pit. The analysis results are included in the Sampling & Analysis Report dated 12/03/96.

01/14/97: A composite sample (CP-01-14-97) was collected from Ormsby's Christian Pit. This pit was Ormsby's new source of backfill material but the pit was not used because Ormsby's contract had expired and a new vendor was chosen. The analysis results are included in the Sampling & Analysis Report dated 02/11/97.

01/28/97: A composite sample (CF-0128) was collected from Barry White's Shingle Street Sand Pit. OHM personnel did not note any substantial change in the sand pit configuration since the 07/25/96 sampling event. The analysis results are included in the Sampling & Analysis Report dated 02/06/97.

The backfill material is currently taken from Barry White's Shingle Street Sand Pit. An additional sample will need to be collected from this pit to complete the backfilling operations at Spill Site 10. I have prepared a report for the 01/14/97 sampling event at Ormsby's Christian Pit for your records. This sand pit has not been used to this date, but the analytical data may be useful if Mr. Ormsby is awarded a new contract in the future. Please let me know if there is any other information that you may need in regards to the backfill material sampling activities.

Sincerely,

Gregory Guimond
Sr. Technologist

cc: M. Cormier, OHM
B. Coats, OHM
Project File

Sampling & Analysis Site Report
Plattsburgh AFB - Project #17257/17499

Site: Shingle Street Sand Pit

Date: 02/06/97

Sample Collection:

-A composite soil sample (CF-0128) was collected from the Shingle Street Sand Pit in Schuyler Falls, NY on 01/28/97. The sand from the mine is used as backfill material at the Spill Site 10 excavations, the Building 3578 underground storage tank (UST) excavation and the Building 3308 UST excavation. The sand may also be used, in the future, to backfill the remaining Delivery Order 6 excavations. The sample was collected to confirm that the material is free of contaminants.

-A map of the pit and the sample locations is included with this report.

Off-Site Analysis:

-The sample CF-0128 was shipped to Premier Laboratory, LLC. (formerly Laboratory Resources) in Brooklyn, CT for a full TCLP analysis. The analysis results are included with this report.

-The sample results were compared to the Hazardous Waste Regulatory Levels for Toxicity Characteristic. None of the constituents of concern, if detected, exceeded the regulatory levels. A copy of the regulatory levels is included with this report.

Sampling & Analysis Site Report
Plattsburgh AFB - Project #17499

Site: Shingle Street Sand Pit

Date: 02/06/97

Sample Collection:

-A composite soil sample (CF-0128) was collected from the Shingle Street Sand Pit in Schuyler Falls, NY on 01/28/97. The sand from the mine is used as backfill material at many of the sites throughout the base. The sample was collected to confirm that the material is free of contaminants.

-A map of the pit and the sample locations is included with this report.

Off-Site Analysis:

-The sample CF-0128 was shipped to Premier Laboratory, LLC. (formerly Laboratory Resources) in Brooklyn, CT for a full TCLP analysis. The analysis results are included with this report.

-The sample results were compared to the Hazardous Waste Regulatory Levels for Toxicity Characteristic. None of the constituents of concern, if detected, exceeded the regulatory levels. A copy of the regulatory levels is included with this report.

PREMIER LABORATORY

Premier Laboratory, LLC.

Route 205 - Regional Building
Brooklyn, CT 06234
Telephone: 860-774-6814 Fax: 860-774-2689

ANALYTICAL DATA REPORT

Report Number: E701334
Project: Plattsburgh Air Force Base

prepared for:

OHM Remediation Services
P.O. Box 2202
Plattsburgh, NY 12901

Attn: Greg Guimond

Receive Date: 01/29/97
Report Date: 02/05/97

Robert Laferriere
General Manager

Connecticut Department of Health Services PH-0465
Maine Department of Environmental Protection TBD
Massachusetts Department of Environmental Quality CT008
New Hampshire Department of Environmental Services 2020
New York Department of Health 11549
Rhode Island Department of Health A44 0022

U:2 B:

METALS ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC.

PL Order No: E701334
PL Sample No: 1

Date Collected: 01/28/97
Date Received: 01/29/97

Client: OHM Remediation Services Corp.
Location: Plattsburgh, NY
Project: Plattsburgh Air Force Base
Sample Description: CF-0128 Backfill Source Comp.

Matrix: Soil
Percent Moisture: 2.7%

Parameter	Result	QL	Units	Started Date	Started By	Completed Date	Completed By	Dilution
Mercury by Cold Vapor by SW-846 7470, TCLP								
Mercury	0.00027 U	0.00027	mg/L	01/31/97	MM	02/04/97	MM	
Metals by ICP by SW-846 6010A, TCLP								
Silver	0.020 U	0.020	mg/L	01/31/97	BS	02/03/97	BS	
Arsenic	0.20	0.10	mg/L	01/31/97	BS	02/03/97	BS	
Barium	0.56	0.010	mg/L	01/31/97	BS	02/03/97	BS	
Cadmium	0.010 U	0.010	mg/L	01/31/97	BS	02/03/97	BS	
Chromium	0.024 U	0.024	mg/L	01/31/97	BS	02/03/97	BS	
Lead	0.050 U	0.050	mg/L	01/31/97	BS	02/03/97	BS	
Selenium	0.10 U	0.10	mg/L	01/31/97	BS	02/03/97	BS	

METALS ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC.

PL Order No: E701334
PL Sample No: 2

Date Collected: 01/27/97
Date Received: 01/29/97

Client: OHM Remediation Services Corp.
Location: Plattsburgh, NY
Project: Plattsburgh Air Force Base
Sample Description: Method Blank

Matrix: Soil
Percent Moisture: 0.0%

Parameter	Result	QL	Units	Started Date	Started By	Completed Date	Completed By	Dilution
Mercury by Cold Vapor by SW-846 7470, TCLP								
Mercury	0.00027 U	0.00027	mg/L	01/31/97	MM	02/04/97	MM	
Metals by ICP by SW-846 6010A, TCLP								
Silver	0.020 U	0.020	mg/L	01/31/97	BS	02/03/97	BS	
Arsenic	0.10 U	0.10	mg/L	01/31/97	BS	02/03/97	BS	
Barium	0.010 U	0.010	mg/L	01/31/97	BS	02/03/97	BS	
Cadmium	0.010 U	0.010	mg/L	01/31/97	BS	02/03/97	BS	
Chromium	0.024 U	0.024	mg/L	01/31/97	BS	02/03/97	BS	
Lead	0.050 U	0.050	mg/L	01/31/97	BS	02/03/97	BS	
Selenium	0.10 U	0.10	mg/L	01/31/97	BS	02/03/97	BS	

VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC.

PL Report No: E701334
PL Sample No: 1

Date Collected: 01/28/97
Date Received: 01/29/97
Date Extracted: By:
Date Analyzed: 01/30/97 By: WW

Method: 8240, TCLP
Level: LOW
GC Column:
Units: ug/L (Wet Weight)

Customer: OHM Remediation Services Corp.
Location: Plattsburgh, NY
Project: Plattsburgh Air Force Base
Sample Description: CF-0128 Backfill Source Comp.

Matrix: Soil
Percent Moisture: N/A
Sample Weight/Volume:
Dilution Factor: 10
Soil Extract Volume:
Soil Aliquot Volume:
Lab Data File: C6112

CAS No.	Parameter	Result	Qual	QL
71-43-2	Benzene	50	U	50
78-93-3	2-Butanone (MEK)	100	U	100
56-23-5	Carbon tetrachloride	50	U	50
108-90-7	Chlorobenzene	50	U	50
67-66-3	Chloroform	50	U	50
106-46-7	1,4-Dichlorobenzene	50	U	50
107-06-2	1,2-Dichloroethane	50	U	50
75-35-4	1,1-Dichloroethene	50	U	50
127-18-4	Tetrachloroethene	50	U	50
79-01-6	Trichloroethene (TCE)	50	U	50
75-01-4	Vinyl chloride	100	U	100

SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC.

PL Report No: E701334
PL Sample No: 1

Date Collected: 01/28/97
Date Received: 01/29/97
Date Extracted: 01/31/97 By: CDV
Date Analyzed: 02/03/97 By: KRB

Method: 8150, TCLP
Level: LOW
GC Column:
Units: ug/L (Wet Weight)

Customer: OHM Remediation Services Corp.
Location: Plattsburgh, NY
Project: Plattsburgh Air Force Base
Sample Description: CF-0128 Backfill Source Comp.

Matrix: Soil
Percent Moisture: N/A
pH:
Sample Weight/Volume: 50 mL
Extract Volume: 5
Injection Volume:
Dilution Factor: 1
Lab Data File: 4020305

CAS No.	Parameter	Result	Qual	QL
93-72-1	2,4,5-TP (Silvex)	20	U	20
94-75-7	2,4-D (2,4-Dichlorophenoxyacetic acid)	20	U	20

SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC.

PL Report No: E701334
PL Sample No: 1

Date Collected: 01/28/97
Date Received: 01/29/97
Date Extracted: 01/31/97 By: CDV
Date Analyzed: 02/03/97 By: KRB

Method: 8080, TCLP
Level: LOW
GC Column:
Units: ug/L (Wet Weight)

Customer: OHM Remediation Services Corp.
Location: Plattsburgh, NY
Project: Plattsburgh Air Force Base
Sample Description: CF-0128 Backfill Source Comp.

Matrix: Soil
Percent Moisture: N/A
pH:
Sample Weight/Volume: 50 mL
Extract Volume: 2
Injection Volume:
Dilution Factor: 1
Lab Data File: 8020327

CAS No.	Parameter	Result	Qual	QL
59-89-9	gamma-BHC (Lindane)	0.20	U	0.20
57-74-9	Chlordane	0.40	U	0.40
72-20-8	Endrin	0.20	U	0.20
76-44-8	Heptachlor	0.40	U	0.40
1024-57-3	Heptachlor epoxide	0.40	U	0.40
72-43-5	Methoxychlor	0.20	U	0.20
8001-35-2	Toxaphene	10	U	10

SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC.

PL Report No: E701334
PL Sample No: 1

Date Collected: 01/28/97
Date Received: 01/29/97
Date Extracted: 01/31/97 By: CDV
Date Analyzed: 02/03/97 By: RAW

Method: 8270, TCLP
Level: LOW
GC Column:
Units: ug/L (Wet Weight)

Customer: OHM Remediation Services Corp.
Location: Plattsburgh, NY
Project: Plattsburgh Air Force Base
Sample Description: CF-0128 Backfill Source Comp.

Matrix: Soil
Percent Moisture: N/A
pH:
Sample Weight/Volume: 500 mL
Extract Volume: 1
Injection Volume:
Dilution Factor:
Lab Data File: E03237

CAS No.	Parameter	Result	Qual	QL
121-14-2	2,4-Dinitrotoluene	10	U	10
118-74-1	Hexachlorobenzene	10	U	10
87-68-3	Hexachlorobutadiene	10	U	10
67-72-1	Hexachloroethane	10	U	10
95-48-7	2-Methylphenol	10	U	10
98-95-3	Nitrobenzene	10	U	10
87-86-5	Pentachlorophenol	10	U	10
110-86-1	Pyridine	20	U	20
95-95-4	2,4,5-Trichlorophenol	10	U	10
88-06-2	2,4,6-Trichlorophenol	10	U	10
	3- & 4-Methylphenols	10	U	10

OHM Remediation Services Corp.

CHAIN-OF-CUSTODY RECORD

* Internal Chain * E701357
Premier Laboratory Lab Request
PO# 1030139

TRANSFER 2
Form 0019
Field Technical Services
Rev. 08/89

164303

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME	PROJECT LOCATION
PAFB	Plattsburgh, NY

PROJ. NO.	PROJECT CONTACT	PROJECT TELEPHONE NO.
17257	Greg Guimond	(518) 562-3923

CLIENT'S REPRESENTATIVE	PROJECT MANAGER/SUPERVISOR
AFCEE	Ken Kukkonen

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS) Full TCLP	REMARKS
1	CF-0128	1/28 97	1315	X		Backfill Source Composite (Gold Sand)	1x1L	X	
2									
3									
4									
5									
6									
7									
8									
9									
10									

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1	A. Neiman #7379	FedEx Airbill # 782116641 71	1/28 97	1600
2					
3					
4					

REMARKS Preserved @ 4°C
Standard TAT
OHM Minimum Level Data Package

SAMPLER'S SIGNATURE A. Neiman

Sample Collection Log
Plattsburgh AFB - Project #17257

Date: 1/28/97 Site: Shingle St. Sand+Septic Shuyler Falls

Weather: Clear, 28°F Samplers: GG

Sample ID	Time	Matrix	Comp/ Grab	Sample Depth	Sample Description	# of Bottles
CF-0128	1315	S	C	0-1'	Sand from open pit	1x1L

Map Attached: (Yes) No

-Reference Points: Yes (No)
-Head Space Readings: Yes (No)

Sample Type: Screening Confirmation Disposal/Characterization

Requested Analysis: VOCs SVOCs Other: Full TCLP

Split Sample Collected: Yes (No)

Laboratory Destination: Prem. Lab (Lab Res.) COC # 164303 Airbill # 282116647 1

Duplicate Sample: Yes (No) Equipment Rinsate Sample: Yes (No)

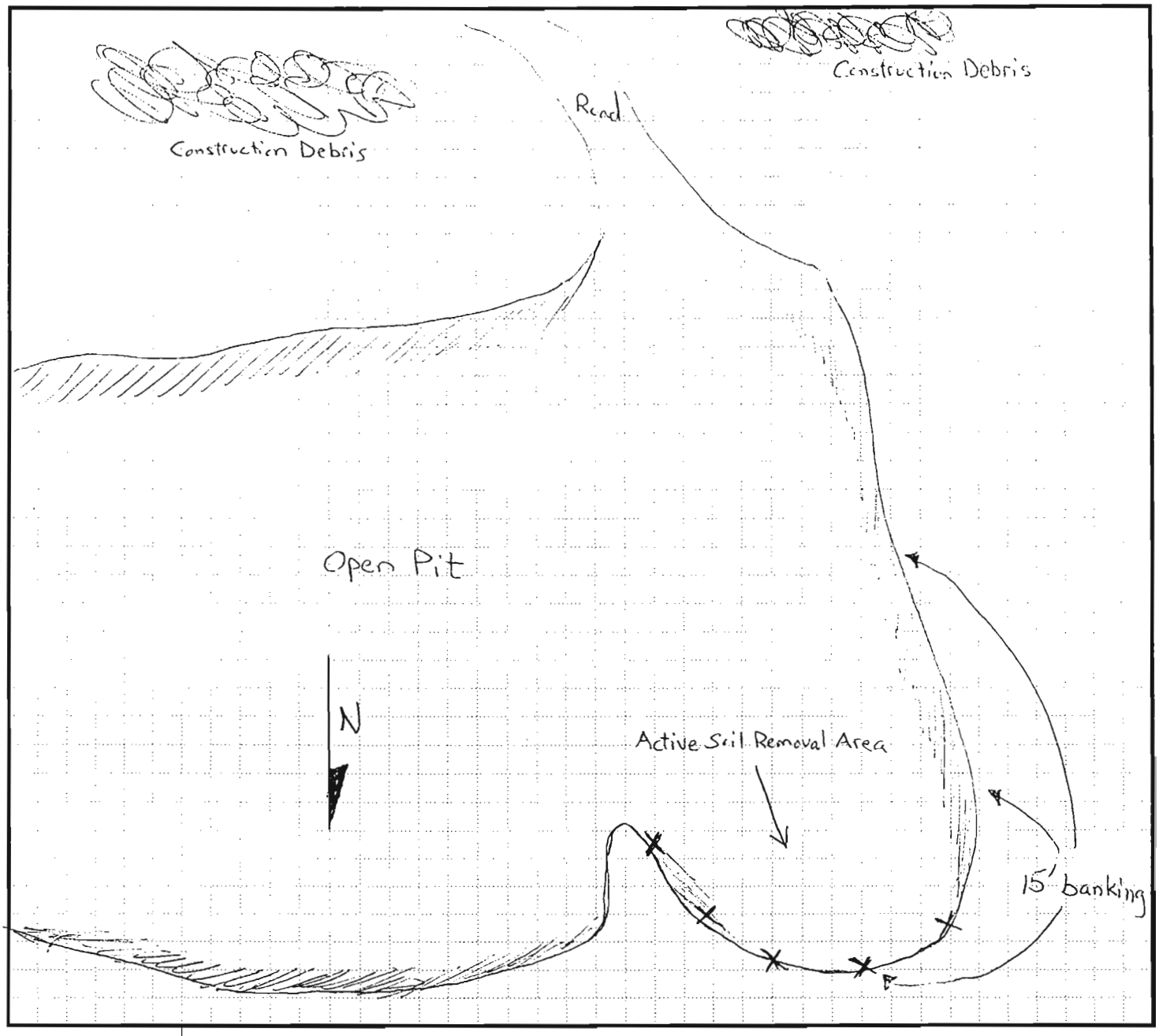
Comments:
Sample of sand to be used for backfill, no staining or odors.

Site Map: Headspace / Confirmation Sampling
Plattsburgh AFB - Project #17499

Site Name: Shingle Street Sand Pit

Date: 01/25/97

Prepared by: GG



Ref Points

None used

Comments

- Not drawn to scale
- x denotes sampling locations for the composite samples
- the samples were collected ~5' up the banking

Sampling & Analysis Site Report
On-Site Laboratory
Plattsburgh AFB - Project #17499

Site: Ormsby's Christian Pit, Peru, NY

Date: 02/07/96

Sample Collection:

-A composite sample (CP-01-14-97) was collected from Ormsby's Christian Pit in Peru, NY on 01/14/97. The sand from the pit was scheduled to be used as backfill material at the Spill Site 10 excavations and the remaining Delivery Order 006 excavations. The sample was collected to confirm that the material is free of contaminants.

-A map of the pit and the sample locations is included with this report.

-Mr. Ormsby's contract had expired after the sample was shipped to the off-site laboratory and analysis was performed. The new contract was awarded to a different vendor.

Off-Site Analysis:

-The sample CP-01-14-97 was shipped to Premier Laboratory, LLC in Brooklyn, CT for a full TCLP analysis. The analysis results are included with this report.

-The sample results were compared to the Hazardous Waste Regulatory Levels for Toxicity Characteristic. None of the constituents of concern, if detected, exceeded the regulatory levels. A copy of the regulatory levels is included with this report.

PREMIER LABORATORY

Premier Laboratory, LLC.

Route 205 - Regional Building
Brooklyn, CT 06234
Telephone: 860-774-6814 Fax: 860-774-2689

ANALYTICAL DATA REPORT

Report Number: E701155
Project: Plattsburgh Air Force Base

prepared for:

OHM Remediation Services
P.O. Box 2202
Plattsburgh, NY 12901

Attn: Greg Guimond

Receive Date: 01/15/97
Report Date: 01/22/97

Robert Laferriere
General Manager

Connecticut Department of Health Services PH-0465
Maine Department of Environmental Protection TBD
Massachusetts Department of Environmental Quality CT008
New Hampshire Department of Environmental Services 2020
New York Department of Health 11549
Rhode Island Department of Health A44 0022

METALS ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC.

PL Order No: E701155
PL Sample No: 1

Date Collected: 01/14/97
Date Received: 01/15/97

Client: OHM Remediation Services Corp.
Location: Plattsburgh, NY
Project: Plattsburgh Air Force Base
Sample Description: CP-01-14-97

Matrix: Soil
Percent Moisture: 8.6%

Parameter	Result	QL	Units	Started Date	Started By	Completed Date	Completed By	Dilution
Mercury by Cold Vapor by SW-846 7470, TCLP								
Mercury	0.00027 U	0.00027	mg/L	01/17/97	BS	01/21/97	MM	
Metals by ICP by SW-846 6010A, TCLP								
Silver	0.020 U	0.020	mg/L	01/17/97	BS	01/20/97	BS	
Arsenic	0.50 U	0.50	mg/L	01/17/97	BS	01/20/97	BS	
Barium	0.76	0.010	mg/L	01/17/97	BS	01/20/97	BS	
Cadmium	0.018	0.010	mg/L	01/17/97	BS	01/20/97	BS	
Chromium	0.024 U	0.024	mg/L	01/17/97	BS	01/20/97	BS	
Lead	0.80	0.050	mg/L	01/17/97	BS	01/20/97	BS	
Selenium	0.10 U	0.10	mg/L	01/17/97	BS	01/20/97	BS	

VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC.

PL Report No: E701155
PL Sample No: 1

Date Collected: 01/14/97
Date Received: 01/15/97
Date Extracted: By:
Date Analyzed: 01/16/97 By: WW

Method: 8240, TCLP
Level: LOW
GC Column:
Units: ug/L (Wet Weight)

Customer: OHM Remediation Services Corp.
Location: Plattsburgh, NY
Project: Plattsburgh Air Force Base
Sample Description: CP-01-14-97

Matrix: Soil
Percent Moisture: N/A
Sample Weight/Volume:
Dilution Factor: 10
Soil Extract Volume:
Soil Aliquot Volume:
Lab Data File: C5984

CAS No.	Parameter	Result	Qual	QL
71-43-2	Benzene	50	U	50
78-93-3	2-Butanone (MEK)	100	U	100
56-23-5	Carbon tetrachloride	50	U	50
108-90-7	Chlorobenzene	50	U	50
67-66-3	Chloroform	50	U	50
106-46-7	1,4-Dichlorobenzene	50	U	50
107-06-2	1,2-Dichloroethane	50	U	50
75-35-4	1,1-Dichloroethene	50	U	50
127-18-4	Tetrachloroethene	50	U	50
79-01-6	Trichloroethene (TCE)	50	U	50
75-01-4	Vinyl chloride	100	U	100

SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC.

PL Report No: E701155
PL Sample No: 1

Customer: OHM Remediation Services Corp.
Location: Plattsburgh, NY
Project: Plattsburgh Air Force Base
Sample Description: CP-01-14-97

Date Collected: 01/14/97
Date Received: 01/15/97
Date Extracted: 01/17/97 By: CDV
Date Analyzed: 01/20/97 By: KRB

Method: 8150, TCLP
Level: LOW
GC Column:
Units: ug/L (Wet Weight)

Matrix: Soil
Percent Moisture: N/A
pH:
Sample Weight/Volume: 50 mL
Extract Volume: 5 ,
Injection Volume:
Dilution Factor: 1
Lab Data File: 4012029

CAS No.	Parameter	Result	Qual	QL
93-72-1	2,4,5-TP (Silvex)	20	U	20
94-75-7	2,4-D (2,4-Dichlorophenoxyacetic acid)	20	U	20

SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC.

PL Report No: E701155
PL Sample No: 1

Date Collected: 01/14/97
Date Received: 01/15/97
Date Extracted: 01/17/97 By: CDV
Date Analyzed: 01/20/97 By: KRB

Method: 8080, TCLP
Level: LOW
GC Column:
Units: ug/L (Wet Weight)

Customer: OHM Remediation Services Corp.
Location: Plattsburgh, NY
Project: Plattsburgh Air Force Base
Sample Description: CP-01-14-97

Matrix: Soil
Percent Moisture: N/A
pH:
Sample Weight/Volume: 50 mL
Extract Volume: 2
Injection Volume:
Dilution Factor: 1
Lab Data File: 8012007

CAS No.	Parameter	Result	Qual	QL
59-89-9	gamma-BHC (Lindane)	0.20	U	0.20
57-74-9	Chlordane	0.40	U	0.40
72-20-8	Endrin	0.20	U	0.20
76-44-8	Heptachlor	0.40	U	0.40
1024-57-3	Heptachlor epoxide	0.40	U	0.40
72-43-5	Methoxychlor	0.20	U	0.20
8001-35-2	Toxaphene	10	U	10

SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC.

PL Report No: E701155
PL Sample No: 1

Date Collected: 01/14/97
Date Received: 01/15/97
Date Extracted: 01/17/97 By: CDV
Date Analyzed: 01/21/97 By: RAW

Method: 8270, TCLP
Level: LOW
GC Column:
Units: ug/L (Wet Weight)

Customer: OHM Remediation Services Corp.
Location: Plattsburgh, NY
Project: Plattsburgh Air Force Base
Sample Description: CP-01-14-97

Matrix: Soil
Percent Moisture: N/A
pH:
Sample Weight/Volume: 500 mL
Extract Volume: 1
Injection Volume:
Dilution Factor:
Lab Data File: A00032

CAS No.	Parameter	Result	Qual	QL
121-14-2	2,4-Dinitrotoluene	10	U	10
118-74-1	Hexachlorobenzene	10	U	10
87-68-3	Hexachlorobutadiene	10	U	10
67-72-1	Hexachloroethane	10	U	10
95-48-7	2-Methylphenol	10	U	10
98-95-3	Nitrobenzene	10	U	10
87-86-5	Pentachlorophenol	10	U	10
110-86-1	Pyridine	20	U	20
95-95-4	2,4,5-Trichlorophenol	10	U	10
88-06-2	2,4,6-Trichlorophenol	10	U	10
	3- & 4-Methylphenols	10	U	10

O[illegible]emediation Services Corp.

CHAIN-OF-CUSTODY RECORD

PO# 1030.39 E70[illegible]

TRANSFER 3

Form/0019
Field Technical Services
Rev. 08/89

1/14/97

LAB RECEIVED

172314

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PROJECT NAME	PROJECT LOCATION
PLATTSBURGH AFB	PLATTSBURGH NY

PROJ. NO.	PROJECT CONTACT	PROJECT TELEPHONE NO.
17257	GREG GLIMME	518-562-3993

CLIENT'S REPRESENTATIVE	PROJECT MANAGER/SUPERVISOR
AFCEE / JOE C20	KEN KOKKONEN

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS) FULL TCLP	REMARKS
1	CP-01-14-97	1/14/97	15:30	X		SOIL FROM CHRISTMAS PIT	1 x 2L	10	4 Point Composite Christmas Pit
2									
3									
4									
5									
6									
7									
8									
9									
10									

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1-1	[signature]	FEDEX AIR BILL # 859 160940	1/16	[illegible]
2					
3					
4				1/15/97	

REMARKS

Temp Blank received
Preserved at 4°C
5 Day TAT
OHM [illegible]

[signature] 1/15/97

SAMPLER'S SIGNATURE

Sample Collection Log
Plattsburgh AFB - Project #17257

Date: 1/14/97 Site: Christian Pit

Weather: Samplers: MB

Sample ID	Time	Matrix	Comp/ Grab	Sample Depth	Sample Description	# of Bottles
CP-01-14-97	1530	S	C	—	Gold Sand from Backfill Source	1x1L

Map Attached: (Yes) No

-Reference Points: Yes (No)
-Head Space Readings: Yes (No)

Sample Type: Screening (Confirmation) Disposal/Characterization

Requested Analysis: VOCs SVOCs Other: Full TCLP

Split Sample Collected: Yes (No)

Laboratory Destination: Premier Lab COC # 172314 Airbill # 2821166040

Duplicate Sample: Yes (No) Equipment Rinsate Sample: Yes (No)

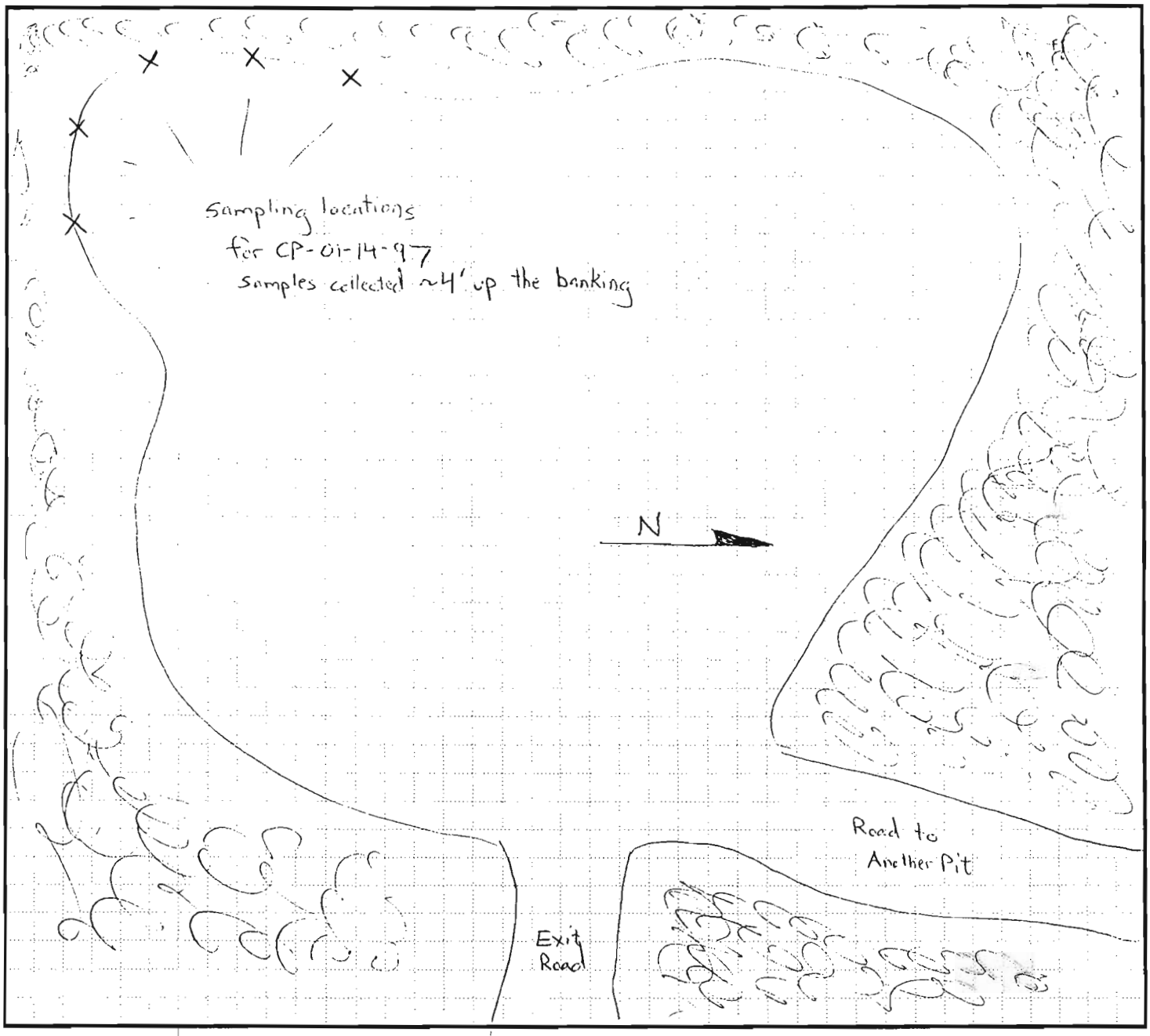
Comments: No visible signs of contamination were noted at the pit.

Site Map: Headspace / Confirmation Sampling
Plattsburgh AFB - Project #17499

Site Name: Ormsby's Christian Pit

Date: 1/14/97

Prepared by: GG



Ref Points

N/A

Comments

- Not drawn to scale
- x denotes sampling locations for the composite sample
- vegetation
- The pit configuration has not changed dramatically since the 07/25/96 sampling event. A soil pile in the middle has been removed and some soil has been removed from the corner of the pit (where the sample was collected). There were no visible signs of contamination.

SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Laboratory Resources, Inc.
Division: New England
LRI Report No: E611281
LRI Sample No: 1

Customer: OHM Remediation Services Corp.
Location: Plattsburgh, NY
Project: Plattsburgh Air Force Base
Sample Description: CF-1120

Date Collected: 11/20/96
Date Received: 11/21/96
Date Extracted: 11/22/96 By: DMH
Date Analyzed: 11/25/96 By: KRB

Method: 8150, TCLP
Level: LOW
GC Column:
Units: ug/L (Wet Weight)

Matrix: Soil
Percent Moisture: N/A
pH:
Sample Weight/Volume: 50 mL
Extract Volume: 5
Injection Volume:
Dilution Factor:
Lab Data File: 4112507

CAS No.	Parameter	Result	Qual	QL
93-72-1	2,4,5-TP (Silvex)	2.0	U	2.0
94-75-7	2,4-D (2,4-Dichlorophenoxyacetic acid)	2.0	U	2.0

SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Laboratory Resources, Inc.
Division: New England
LRI Report No: E611281
LRI Sample No: 1

Customer: OHM Remediation Services Corp.
Location: Plattsburgh, NY
Project: Plattsburgh Air Force Base
Sample Description: CF-1120

Date Collected: 11/20/96
Date Received: 11/21/96
Date Extracted: 11/25/96 By: DMH
Date Analyzed: 11/25/96 By: KRB

Method: 8080, TCLP
Level: LOW
GC Column:
Units: ug/L (Wet Weight)

Matrix: Soil
Percent Moisture: N/A
pH:
Sample Weight/Volume: 50 mL
Extract Volume: 2
Injection Volume:
Dilution Factor: 1
Lab Data File: 8112506

CAS No.	Parameter	Result	Qual	QL
59-89-9	gamma-BHC (Lindane)	0.20	U	0.20
57-74-9	Chlordane	0.40	U	0.40
72-20-8	Endrin	0.20	U	0.20
76-44-8	Heptachlor	0.40	U	0.40
1024-57-3	Heptachlor epoxide	0.40	U	0.40
72-43-5	Methoxychlor	0.20	U	0.20
8001-35-2	Toxaphene	10	U	10

SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Laboratory Resources, Inc.
Division: New England
LRI Report No: E611281
LRI Sample No: 1

Customer: OHM Remediation Services Corp.
Location: Plattsburgh, NY
Project: Plattsburgh Air Force Base
Sample Description: CF-1120

Date Collected: 11/20/96
Date Received: 11/21/96
Date Extracted: 11/22/96 By: DMH
Date Analyzed: 11/25/96 By: RAW

Method: 8270, TCLP
Level: LOW
GC Column:
Units: ug/L (Wet Weight)

Matrix: Soil
Percent Moisture: N/A
pH:
Sample Weight/Volume: 500 mL
Extract Volume: 1
Injection Volume:
Dilution Factor:
Lab Data File: E02713

CAS No.	Parameter	Result	Qual	QL
121-14-2	2,4-Dinitrotoluene	10	U	10
118-74-1	Hexachlorobenzene	10	U	10
87-68-3	Hexachlorobutadiene	10	U	10
67-72-1	Hexachloroethane	10	U	10
95-48-7	2-Methylphenol	10	U	10
98-95-3	Nitrobenzene	10	U	10
87-86-5	Pentachlorophenol	10	U	10
110-86-1	Pyridine	20	U	20
95-95-4	2,4,5-Trichlorophenol	10	U	10
88-06-2	2,4,6-Trichlorophenol	10	U	10
	3- & 4-Methylphenols	10	U	10

HAZARDOUS WASTE REGULATORY LEVELS FOR TOXICITY CHARACTERISTIC

CONSTITUENT	REGULATORY LEVEL (mg/L)
Arsenic	5.0
Barium	100.0
Benzene	0.5*
Cadmium	1.0
Carbon tetrachloride	0.5*
Chlordane	0.03*
Chlorobenzene	100.0*
Chloroform	6.0*
Chromium	5.0
o-Cresol	200.0*
m-Cresol	200.0*
Cresol (Total)	200.0*
2,4-D	10.0
1,4-Dichlorobenzene	7.5*
1,2-Dichloroethane	0.5*
1,1-Dichloroethylene	0.7*
2,4-Dinitrotoluene	0.13*
Endrin	0.02
Heptachlor (and its epoxide)	0.008*
Hexachlorobenzene	0.13*
Hexachloro-1,3butadiene	0.5*
Hexachloroethane	3.0*
Lead	5.0
Lindane	0.4

CONSTITUENT	REGULATORY LEVEL (mg/L)
Mercury	0.2
Methoxychlor	10.0
Methyl ethyl ketone	200.0*
Nitrobenzene	2.0*
Pentachlorophenol	100.0*
Pyridine	5.0*
Selenium	1.0
Silver	5.0
Tetrachloroethylene	0.7*
Toxaphene	0.5
Trichloroethylene	0.5*
2,4,5-Trichlorophenol	400.0*
2,4,6-Trichlorophenol	2.0*
2,4,5-TP (Silvex)	1.0
Vinyl chloride	0.2*

* New Toxicity Characteristics Effective 9/25/90

OH Remediation Services Corp.

CHAIN-OF-CUSTODY RECORD

E61128 Lab Resources

PO# 1030137

164215

TRANSFER 2

Form 0019
Field Technical Services
Rev. 08/89

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME: PAFB	PROJECT LOCATION: Plattsburgh, NY
PROJ. NO.: ~~7499~~ 7257	PROJECT CONTACT: Greg Guimond
PROJECT TELEPHONE NO.: (518) 562-3923	
CLIENT'S REPRESENTATIVE: AFCEE	PROJECT MANAGER/SUPERVISOR: Ken Kukkonen

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS) Full TCLP	REMARKS
1	CF-1120	11/20/96	1525	X		Backfill source sample Gold Sand	1 X L	X	
2									
3									
4									
5									
6									
7									
8									
9									
10									

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1	H. Hummon	Fed Ex Airbill # 121341641420	11/20/96	1600
2	1	FED X		11/21	
3					
4					

REMARKS

Preserved @ 4°C temp blank included

OHM Minimum Level Data Package

5 day TAT Please return cooler.

SAMPLER'S SIGNATURE: H. Hummon

Soil Sample Collection Log

Plattsburgh AFB - Project # 17257 (17499)

Date: 11/20/96 Site: Ormsby Sand Mine, Peru

Weather: Cloudy, ~25°F Samplers: GG

Sample ID	Time	PID Screen	Comp/ Grab	Sample Depth (ft)	Coordinates Ref. Pt.	Coordinates Ref. Pt.	Sample Description	# of Bottles
CF-1120	1525	—	C	4' up banking	/	/	gold sand composite	1x1L

Map Attached: (Yes) No

-Reference Points: Yes (No)

-Head Space Readings: Yes (No)

Sample Type: Screening Confirmation Disposal/(Characterization)

Requested Analysis: VOCs SVOCs Other: Full TCLP

Split sample Collected: Yes (No)

Laboratory Destination: Lab Res COC # 164215 Airbill # 124341042O

Duplicate Collected: Yes (No) Rinsate Collected: Yes (No)

On-Site Laboratory Chain of Custody / Request for Analysis

Requested Analysis: VOCs SVOCs Cooler Temperature: _____

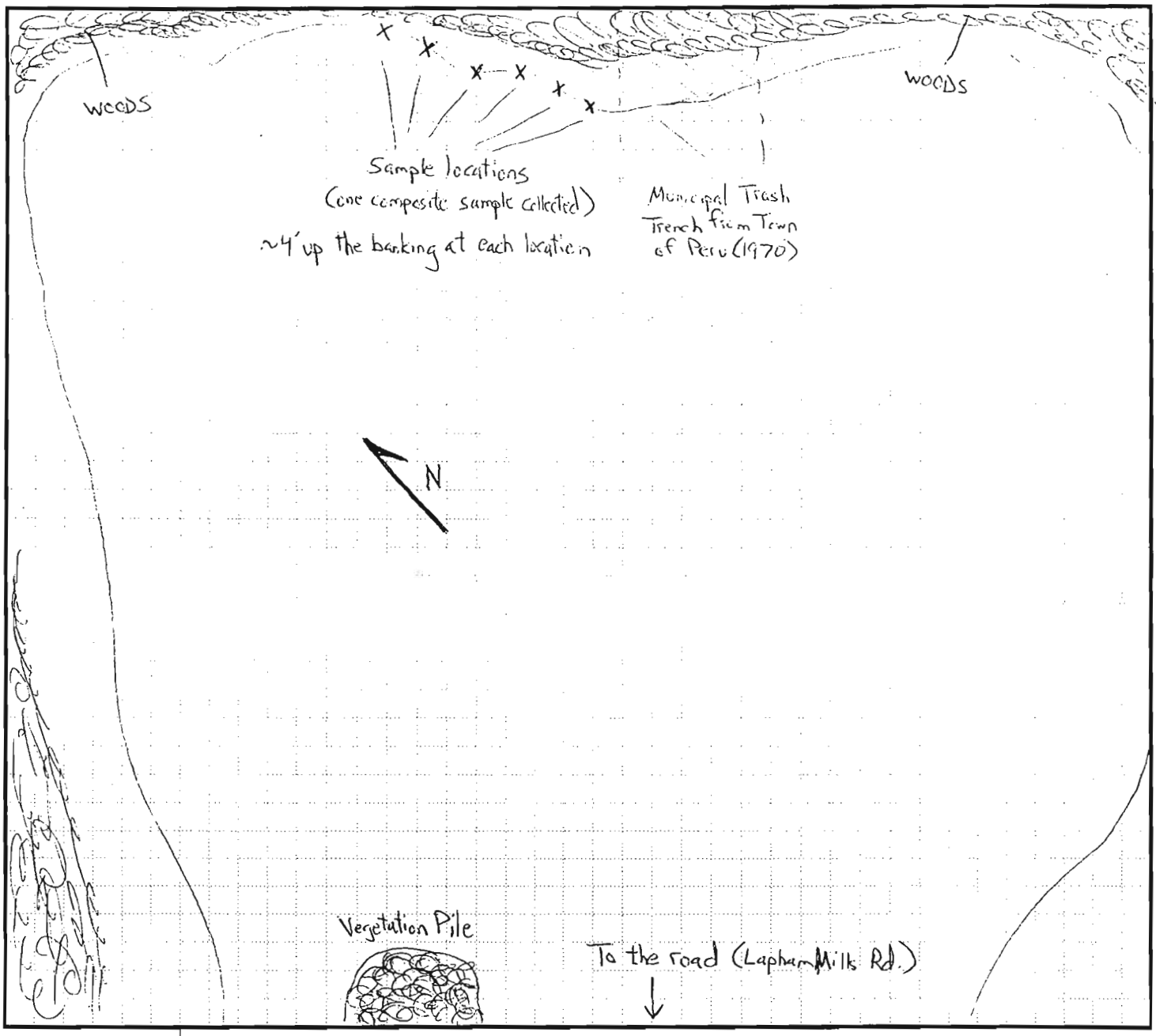
Relinquished by (dd/tt): A. Murray 11/20/96 1600 Received by (dd/tt): _____

Site Map: Headspace / Confirmation Sampling
Plattsburgh AFB - Project #17499

Site Name: Clean Fill Source
Grimsby Sand Mine, Peru

Date: 11/20/96

Prepared by: G. G.



Ref Points

N/A

Comments

- Not drawn to scale
- X denotes sampling locations
- One composite sample collected (CF-1120)

Sampling & Analysis Site Report
On-Site Laboratory
Plattsburgh AFB - Project #17499

Site: Ormsby Sand Mine, Peru, NY

Date: 10/31/96

Sample Collection:

-A composite sample (CF-1010) was collected from the Ormsby Sand Mine in Peru, NY on 10/10/96. The sand from the mine is used for backfill material at many of the sites throughout the base. The sample was collected to confirm that the material is free of contaminants.

-A map of the pit and the sample locations is included with this report.

On-Site Analysis:

-The on-site laboratory has been shipped off of the Air Force Base to another job site. All samples will be analyzed by off-site laboratories.

Off-Site Analysis:

-The sample CF-1010 was shipped to CTM Laboratories in Latham, NY for a full TCLP analysis. The analysis results are included with this report.

-The sample results were compared to the Hazardous Waste Regulatory Levels for Toxicity Characteristic. None of the constituents of concern, if detected, exceeded the regulatory levels. A copy of the regulatory levels is included with this report.

CTM Analytical Laboratories, Ltd.

15 Century Hill Drive
P.O. Box 727
Latham, NY 12110
518-786-7100
FAX 518-786-7139

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Laboratory Analysis Report
Prepared for: OHM REMEDIATION SERVICES CORP
CTM Project Number: 9913642
CTM Task Number: 961011J
07 NOV 1996

IMPORTANT - PLEASE NOTE

1. All results are calculated on a dry weight basis unless otherwise specified.
2. PQL = Practical Quantitation Limit.
3. A result with a "D" means that the result was "Detected" below the Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).
4. ND = Not Detected at or above the PQL.
5. NTP = Non-target peaks (1-5 peaks).
   MNTP = Many non-target peaks (5+ peaks).
6. pH results not performed in the field should be considered estimated since the holding time is 15 minutes from the sampling time.
7. If the samples are collected independently of our laboratory, CTM is not responsible for the possible contamination during the sampling procedure.
8. Methylene chloride and acetone are common laboratory artifacts for volatile organic analysis. Bis-(2-ethyl-hexyl) phthalate and di-n-butylphthalate are common laboratory artifacts for GC/MS semivolatile analysis. Other compounds may also appear as laboratory artifacts for the organic analyses. The above compounds will be flagged as suspected laboratory artifacts if the detected value is less than five (5) times of the PQL in the sample. Acetone will be flagged as a suspected laboratory artifact only up to two and a half (2.5) times of the PQL.
9. If air samples are collected independently of our laboratory, CTM is not responsible for inadequate sample volume for air analysis.

AUTHORIZED FOR RELEASE: Christopher Kos DATE: 11/7/96

CERTIFICATIONS:
NYS E.L.A.P. ID NO: 10358 MA: NY052 CT: PH-0551 NJ: 73581

CTM Analytical Laboratories, Ltd.

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Latham, NY 12110
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OHM REMEDIATION SERVICES CORP
P.O.BOX 2202
PLATTSBURGH NY 12901

Attention: MR. GREG GUIMOND

CTM PROJECT #: 9913642

CTM Task #: 961011J

Purchase Order Number: 1026625
Date Sampled: 10/10/96 Time: 13:15
Sampled By : GUIMOND
Sample Id: CF-1010
Location : PLATTSBURGH, NY

CTM Sample No: 961011J 01
Date Received: 10/11/96
Collection Method: COMPOSITE
Matrix: SOLID

Parameters and Standard Methodology Used			Results	PQL	Unit	Analyst Referenc
TCLP-ZERO HEADSPACE EXTRACTION	SW-846 METHOD 1311		COMPLETED			TMH 10/15/96
TCLP VOLATILES	SW-846 METHOD 8240		COMPLETED			GCMSEA116 10/17/9
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030		COMPLETED			GCMSEA116 10/17/9
BENZENE (TCLP)	SW-846 METHOD 8240		ND	5	MCG/L	GCMSEA116 10/17/9
CARBON TETRACHLORIDE (TCLP)	SW-846 METHOD 8240		ND	5	MCG/L	GCMSEA116 10/17/9
CHLOROBENZENE (TCLP)	SW-846 METHOD 8240		ND	5	MCG/L	GCMSEA116 10/17/9
CHLOROFORM (TCLP)	SW-846 METHOD 8240		ND	5	MCG/L	GCMSEA116 10/17/9
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8240		ND	5	MCG/L	GCMSEA116 10/17/9
1,2-DICHLOROETHANE (TCLP)	SW-846 METHOD 8240		ND	5	MCG/L	GCMSEA116 10/17/9
1,1-DICHLOROETHYLENE (TCLP)	SW-846 METHOD 8240		ND	5	MCG/L	GCMSEA116 10/17/9
METHYL ETHYL KETONE (TCLP)	SW-846 METHOD 8240		ND	10	MCG/L	GCMSEA116 10/17/9
TETRACHLOROETHYLENE (TCLP)	SW-846 METHOD 8240		ND	5	MCG/L	GCMSEA116 10/17/9
TRICHLOROETHENE (TCLP)	SW-846 METHOD 8240		ND	5	MCG/L	GCMSEA116 10/17/9
VINYL CHLORIDE (TCLP)	SW-846 METHOD 8240		ND	10	MCG/L	GCMSEA116 10/17/9
TCLP BASE/NEUTRALS	SW-846 METHOD 8270	BASE/NEUTRALS	COMPLETED			GCMSB:41 10/22/96
EXTRACTION FOR TCLP B/N	SW-846 METHOD 8270		COMPLETED			ACM 10/17/96
HEXACHLOROBENZENE (TCLP)	SW-846 METHOD 8270	BASE/NEUTRALS	ND	5	MCG/L	GCMSB:41 10/22/96
HEXACHLOROBUTADIENE (TCLP)	SW-846 METHOD 8270	BASE/NEUTRALS	ND	5	MCG/L	GCMSB:41 10/22/96
PYRIDINE (TCLP)	SW-846 METHOD 8270	BASE/NEUTRALS	ND	5	MCG/L	GCMSB:41 10/22/96
2,4-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270	BASE/NEUTRALS	ND	5	MCG/L	GCMSB:41 10/22/96
HEXACHLOROETHANE (TCLP)	SW-846 METHOD 8270	BASE/NEUTRALS	ND	5	MCG/L	GCMSB:41 10/22/96
NITROBENZENE (TCLP)	SW-846 METHOD 8270	BASE/NEUTRALS	ND	5	MCG/L	GCMSB:41 10/22/96
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270	BASE/NEUTRALS	ND	5	MCG/L	GCMSB:41 10/22/96
TCLP EXTRACTION	SW-846 METHOD 1311		COMPLETED			MPC 10/15/96
TCLP ACID EXTRACTABLES	SW-846 METHOD 8270		COMPLETED			GCMSB:41 10/22/96
EXTRACTION FOR TCLP ACID/EXT.	SW-846 METHOD 8270		COMPLETED			ACM 10/17/96
O-CRESOL (TCLP)	SW-846 METHOD 8270	ACID FRACTION	ND	5	MCG/L	GCMSB:41 10/22/96
PENTACHLOROPHENOL (TCLP)	SW-846 METHOD 8270	ACID FRACTION	ND	25	MCG/L	GCMSB:41 10/22/96
2,4,5-TRICHLOROPHENOL (TCLP)	SW-846 METHOD 8270	ACID FRACTION	ND	25	MCG/L	GCMSB:41 10/22/96
2,4,6-TRICHLOROPHENOL (TCLP)	SW-846 METHOD 8270	ACID FRACTION	ND	5	MCG/L	GCMSB:41 10/22/96
M & P CRESOL (TCLP)	SW-846 METHOD 8270	ACID FRACTION	ND	10	MCG/L	GCMSB:41 10/22/96
ACID DIGESTION ON TCLP EXTRACT	SW-846 METHOD 3010		COMPLETED			D-21:91 10/16/96

(CONTINUES ON NEXT PAGE)

REMARKS:

CTM Analytical Laboratories, Ltd.

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OHM REMEDIATION SERVICES CORP
P.O.BOX 2202
PLATTSBURGH NY 12901

CTM PROJECT #: 9913642

CTM Task #: 961011J

Attention: MR. GREG GUIMOND

Purchase Order Number: 1026625
Date Sampled: 10/10/96 Time: 13:15
Sampled By : GUIMOND
Sample Id: CF-1010
Location : PLATTSBURGH, NY

CTM Sample No: 961011J 01
Date Received: 10/11/96
Collection Method: COMPOSITE
Matrix: SOLID

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
MERCURY PREPARATION - TCLP	SW-846 METHOD 7471	COMPLETED			D-21:93 10/16/96
ARSENIC, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-5:28 10/16/96
BARIUM, BY TCLP	SW-846 METHOD 6010	0.64	0.60	MG/L	F-5:28 10/16/96
CADMIUM, BY TCLP	SW-846 METHOD 6010	ND	0.005	MG/L	F-5:28 10/16/96
CHROMIUM, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-5:28 10/16/96
LEAD, BY TCLP	SW-846 METHOD 6010	ND	0.005	MG/L	F-5:28 10/16/96
MERCURY, BY TCLP	SW-846 METHOD 7471	ND	0.0002	MG/L	E-4:129 10/17/96
SELENIUM, BY TCLP	SW-846 METHOD 6010	ND	0.050	MG/L	F-5:28 10/16/96
SILVER, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-5:32 10/21/96
TCLP PESTICIDES/HERBICIDES	SW-846 METHODS 8080/8150	COMPLETED			DO 10/25/96
EXTRACTION FOR TCLP PESTICIDE	SW-846 METHOD 8080	COMPLETED			DO 10/23/96
CHLORDANE (TCLP)	SW-846 METHOD 8080	ND	0.5	MCG/L	GC3F:18 10/23/96
ENDRIN (TCLP)	SW-846 METHOD 8080	ND	0.05	MCG/L	GC3F:18 10/23/96
HEPTACHLOR (TCLP)	SW-846 METHOD 8080	ND	0.05	MCG/L	GC3F:18 10/23/96
HEPTACHLOR EPOXIDE (TCLP)	SW-846 METHOD 8080	ND	0.05	MCG/L	GC3F:18 10/23/96
LINDANE (TCLP)	SW-846 METHOD 8080	ND	0.05	MCG/L	GC3F:18 10/23/96
METHOXYCHLOR (TCLP)	SW-846 METHOD 8080	ND	0.05	MCG/L	GC3F:18 10/23/96
TOXAPHENE (TCLP)	SW-846 METHOD 8080	ND	1.0	MCG/L	GC3F:18 10/23/96
EXTRACTION FOR TCLP HERBICIDE	SW-846 METHOD 8150	COMPLETED			DO 10/22/96
2,4-D (TCLP)	SW-846 METHOD 8150	ND	0.20	MCG/L	GC3F:19 10/25/96
2,4,5-TP (SILVEX) (TCLP)	SW-846 METHOD 8150	ND	0.20	MCG/L	GC3F:19 10/25/96

REMARKS:

END OF REPORT

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

Oh... Remediation Services Corp.

CHAIN-OF-CUSTODY RECORD

CTA
PO# 1020625

TRANSFER 1
Form 0019
Field Technical Services
Rev. 08/89
164233

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME	PROJECT LOCATION
PAFB	Plattsburgh, NY

PROJ. NO.	PROJECT CONTACT	PROJECT TELEPHONE NO.
17499	Greg Guimond	(518) 562-3923

CLIENT'S REPRESENTATIVE	PROJECT MANAGER/SUPERVISOR
AFCEE, Joe Szot	Ken Kukkonen

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS) Full TCLP	REMARKS
1	CF-1010	10/10/96	1315	X		Clean fill composite (Crosby Pit)		X	
2									
3									
4									
5									
6									
7									
8									
9									
10									

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1	M. Guimond	FedEx Airbill # 231136146	10/10/96	1600
2					
3					
4					

REMARKS
Temp blank included
Twk TAT (results by 10/18/96)
Please return cooler Thank you

SAMPLER'S SIGNATURE
M. Guimond

Soil Sample Collection Log

Plattsburgh AFB - Project # 17257/17499

Date: 10/10/96

Site: Clean Fill Source Ormsby Sand Mine, Peru

Weather: Cloudy, 65°F

Samplers: G.G.

Sample ID	Time	PID Screen	Comp/ Grab	Sample Depth (ft)	Coordinates Ref. Pt.	Coordinates Ref. Pt.	Sample Description	# of Bottles
C.F-1010	1315	/	C	4' up bank	/	/	gold sand	1x1L

Map Attached: (Yes) No

-Reference Points: Yes (No)

-Head Space Readings: Yes (No)

Sample Type: Screening Confirmation Disposal (Characterization)

Requested Analysis: VOCs SVOCs Other: Full TCLP

Split sample Collected: Yes (No)

Laboratory Destination: CTM COC # 164233 Airbill # 231130514 6

Duplicate Collected: Yes (No) Rinsate Collected: Yes (No)

On-Site Laboratory Chain of Custody / Request for Analysis

Requested Analysis: VOCs SVOCs Cooler Temperature: _____

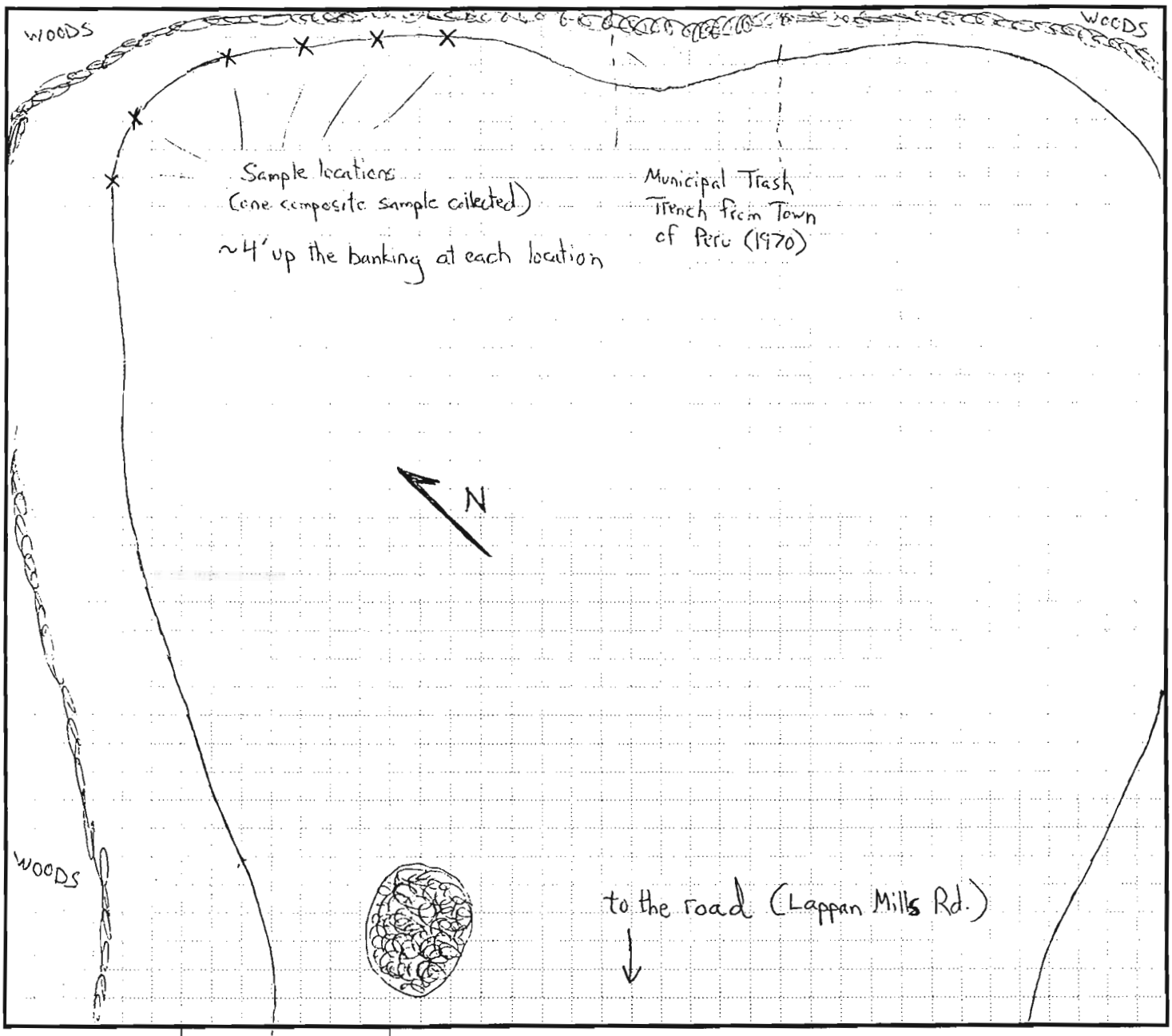
Relinquished by (dd/tt): _____ Received by (dd/tt): _____

Site Map: Headspace / Confirmation Sampling
Plattsburgh AFB - Project #17499

Site Name: Clean Fill Source
Cross by Sand Mine, Peru

Date: 10/10/96

Prepared by: G.G.



PID Readings	Ref. Points	Comments:
N/A	N/A	- Not drawn to scale X - denotes sample locations One composite sample was collected (CF-1010)

Sampling & Analysis Site Report
On-Site Laboratory
Plattsburgh AFB - Project #17499

Site: Ormsby Sand Mine, Peru, NY

Date: 08/23/96

Sample Collection:

-A composite sample (CF-813) was collected from the Ormsby Sand Mine in Peru, NY on 08/13/96. The sand from the mine is used for backfill material at many of the sites throughout the base. The sample was collected to confirm that the material is free of contaminants.

-A map of the pit and the sample locations is included with this report.

On-Site Analysis:

-No samples were analyzed on-site.

Off-Site Analysis:

-The sample CF-813 was shipped to CTM Laboratories in Latham, NY for a full TCLP analysis. The analysis results are included with this report.

-The sample results were compared to the Hazardous Waste Regulatory Levels for Toxicity Characteristic. None of the constituents of concern, if detected, exceeded the regulatory levels. A copy of the regulatory levels is included with this report.

CTM Analytical Laboratories, Ltd.

15 Century Hill Drive
P.O. Box 727
Latham, NY 12110
518-786-7100
FAX 518-786-7139

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Laboratory Analysis Report
Prepared for: OHM REMEDIATION SERVICES CORP
CTM Project Number: 9913642
CTM Task Number: 960816H
23 AUG 1996

IMPORTANT - PLEASE NOTE

1. All results are calculated on a dry weight basis unless otherwise specified.
2. PQL = Practical Quantitation Limit.
3. A result with a "D" means that the result was "Detected" below the Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).
4. ND = Not Detected at or above the PQL.
5. NTP = Non-target peaks (1-5 peaks).
   MNTP = Many non-target peaks (5+ peaks).
6. pH results not performed in the field should be considered estimated since the holding time is 15 minutes from the sampling time.
7. If the samples are collected independently of our laboratory, CTM is not responsible for the possible contamination during the sampling procedure.
8. Methylene chloride and acetone are common laboratory artifacts for volatile organic analysis. Bis-(2-ethyl-hexyl) phthalate and di-n-butylphthalate are common laboratory artifacts for GC/MS semivolatile analysis. Other compounds may also appear as laboratory artifacts for the organic analyses. The above compounds will be flagged as suspected laboratory artifacts if the detected value is less than five (5) times of the PQL in the sample. Acetone will be flagged as a suspected laboratory artifact only up to two and a half (2.5) times of the PQL.
9. If air samples are collected independently of our laboratory, CTM is not responsible for inadequate sample volume for air analysis.

AUTHORIZED FOR RELEASE: Christopher Hess DATE: 8/23/96

CERTIFICATIONS:
NYS E.L.A.P. ID NO: 10358 MA: NY052 CT: PH-0551 NJ: 73581

CTM Analytical Laboratories, Ltd.

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OHM REMEDIATION SERVICES CORP
P.O.BOX 2202
PLATTSBURGH NY 12901

Attention: MR. GREG GUIMOND

Purchase Order Number: 153141
Date Sampled: 08/13/96 Time: 9:00
Sampled By : SLADE
Sample Id: CF-813
Location : PLATTSBURGH, NEW YORK

CTM PROJECT #: 9913642

CTM Task #: 960816H

CTM Sample No: 960816H 01
Date Received: 08/16/96
Collection Method: COMPOSITE
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referenc
(CONTINUED FROM PREVIOUS PAGE)					
EXTRACTION FOR TCLP PESTICIDE	SW-846 METHOD 8080	COMPLETED			DO 8/19/96
CHLORDANE (TCLP)	SW-846 METHOD 8080	ND	2.0	MCG/L	GC3F:8 8/20/96
ENDRIN (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC3F:8 8/20/96
HEPTACHLOR (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC3F:8 8/20/96
HEPTACHLOR EPOXIDE (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC3F:8 8/20/96
LINDANE (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC3F:8 8/20/96
METHOXYCHLOR (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC3F:8 8/20/96
TOXAPHENE (TCLP)	SW-846 METHOD 8080	ND	4.0	MCG/L	GC3F:8 8/20/96
EXTRACTION FOR TCLP HERBICIDE	SW-846 METHOD 8150	COMPLETED			DO 8/19/96
2,4-D (TCLP)	SW-846 METHOD 8150	ND	0.20	MCG/L	GC3F:7 8/20/96
2,4,5-TP (SILVEX) (TCLP)	SW-846 METHOD 8150	ND	0.20	MCG/L	GC3F:7 8/20/96
ACID DIGESTION ON TCLP EXTRACT	SW-846 METHOD 3010	COMPLETED			D-21:19 8/21/96
MERCURY PREPARATION - TCLP	SW-846 METHOD 7471	COMPLETED			D-21:17 8/20/96
ARSENIC, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-4:123 8/22/96
BARIUM, BY TCLP	SW-846 METHOD 6010	0.15	0.050	MG/L	F-4:123 8/22/96
CADMIUM, BY TCLP	SW-846 METHOD 6010	ND	0.005	MG/L	F-4:123 8/22/96
CHROMIUM, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-4:123 8/22/96
LEAD, BY TCLP	SW-846 METHOD 6010	ND	0.37	MG/L	F-4:123 8/22/96
MERCURY, BY TCLP	SW-846 METHOD 7471	ND	0.0002	MG/L	E-4:107 8/21/96
SELENIUM, BY TCLP	SW-846 METHOD 6010	ND	0.050	MG/L	F-4:123 8/22/96
SILVER, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-4:123 8/22/96

REMARKS:

END OF REPORT

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

LAB COPY

OHM Remediation Services Corp.

9008164-1

CHAIN-OF-CUSTODY RECORD

LP43083 153141

Form 0019
Field Technical Services
Rev. 08/89

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME: PAFB	PROJECT LOCATION: Plattsburgh, NY		
PROJ. NO.: 17257	PROJECT CONTACT: Greg Guimond	PROJECT TELEPHONE NO.: (518) 562-3923	
CLIENT'S REPRESENTATIVE: AFCEE	PROJECT MANAGER/SUPERVISOR: Ken Kukkonen		

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS) Full TCLP	REMARKS
1	01 CF-813	8/13 96	0900	X		Goklen Sand	1x1L		
2									
3									
4									
5									
6									
7									
8									
9									
10									

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1	Michael A. Slade	Fed Ex Airbill # 183646040120	8/14 96	1600
2					
3					
4					

REMARKS

Preserved at 4°C
Temp Blank Included
~~4 day~~ TAT
OO 8/16 5 Day
per P.K

SAMPLER'S SIGNATURE: Michael A. Slade 8-15-96

8-23-1996 1:52PM FROM CTM ANALYTICAL LABS 5187867139 P.5

Soil Sample Collection Log

Plattsburgh AFB - Project # 17257/17499

Date: 8-13-96 Site: Ormsby Clean Fill

Weather: 75° Sunny Samplers: Mike SLADE

Sample ID	Time	PID Screen	Comp/ Grab	Sample Depth (ft)	Coordinates Ref. Pt.	Coordinates Ref. Pt.	Sample Description	# of Bottles
OCF - 813	9:10		C	6'			SAND CLEAN	1 x 1L

Map Attached: (Yes) No

-Reference Points: Yes (No)

-Head Space Readings: Yes (No)

Sample Type: Screening Confirmation Disposal/Characterization

Requested Analysis: MS ~~VOCs~~ ~~SVOCs~~ HH Other: _____

Split sample Collected: Yes (No)

Laboratory Destination: _____ COC # _____ Airbill # _____

Duplicate Collected: Yes No Rinsate Collected: Yes No

On-Site Laboratory Chain of Custody / Request for Analysis

Requested Analysis: VOCs SVOCs Cooler Temperature: Michael Buck

Relinquished by (dd/tt): Michael Slade 8-13-96 9:50 Received by (dd/tt): 8/13/96 9:

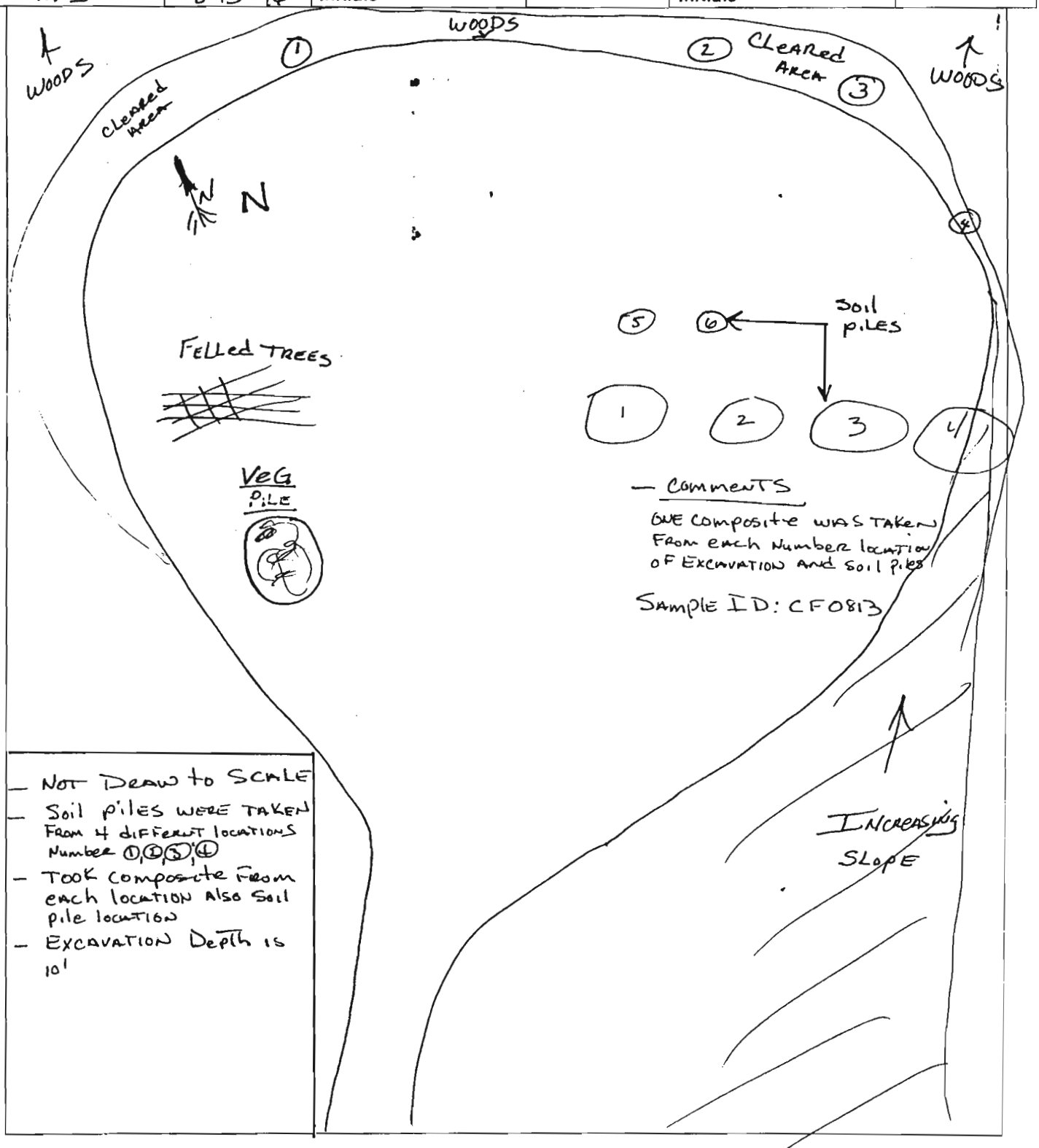
OHM Remediation Services Corp.

COMPUTATION SHEET

Form No. 0048
Midwest Tech. Servs.
Rev. 08/89

Proj. No.	Client	Location	Subject
17257	AFCEE	ORMSBY CLEAN FILL	CLEAN FILL TESTING

Preparer's Initials	Date	Reviewer's Initials	Date	Approver's Initials	Date
MS	8-13-96				



Sampling & Analysis Site Report
On-Site Laboratory
Plattsburgh AFB - Project #17499

Site: Christian Sand Pit, Peru, NY

Date: 08/01/96

Sample Collection:

-A composite sample (CFCP-1) was collected from the Christian Sand Pit in Peru, NY on 07/25/96. The sand from the pit was used for backfill material at many of the sites throughout the base. The sample was collected to confirm that the material is free of contaminants.

-A map of the pit and the sample locations is included with this report.

On-Site Analysis:

-No samples were analyzed on-site.

Off-Site Analysis:

-The sample CFCP-1 was shipped to CTM Laboratories in Latham, NY for a full TCLP analysis. The analysis results are included with this report.

-The sample results were compared to the Hazardous Waste Regulatory Levels for Toxicity Characteristic. None of the constituents of concern, if detected, exceeded the regulatory levels. A copy of the regulatory levels is included with this report.

CTM Analytical Laboratories, Ltd.

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Latham, NY 12110
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FAX 518-786-7139

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Sampling Services

Laboratory Analysis Report
Prepared for: OHM REMEDIATION SERVICES CORP
CTM Project Number: 9913642
CTM Task Number: 960729A
01 AUG 1996

IMPORTANT - PLEASE NOTE

1. All results are calculated on a dry weight basis unless otherwise specified.
2. PQL = Practical Quantitation Limit.
3. A result with a "D" means that the result was "Detected" below the Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).
4. ND = Not Detected at or above the PQL.
5. NTP = Non-target peaks (1-5 peaks).
   MNTP = Many non-target peaks (5+ peaks).
6. pH results not performed in the field should be considered estimated since the holding time is 15 minutes from the sampling time.
7. If the samples are collected independently of our laboratory, CTM is not responsible for the possible contamination during the sampling procedure.
8. Methylene chloride and acetone are common laboratory artifacts for volatile organic analysis. Bis-(2-ethyl-hexyl) phthalate and di-n-butylphthalate are common laboratory artifacts for GC/MS semivolatile analysis. Other compounds may also appear as laboratory artifacts for the organic analyses. The above compounds will be flagged as suspected laboratory artifacts if the detected value is less than five (5) times of the PQL in the sample. Acetone will be flagged as a suspected laboratory artifact only up to two and a half (2.5) times of the PQL.
9. If air samples are collected independently of our laboratory, CTM is not responsible for inadequate sample volume for air analysis.

AUTHORIZED FOR RELEASE: Christopher Hess DATE: 8/1/96

CERTIFICATIONS:
NYS E.L.A.P. ID NO: 10358 MA: NY052 CT: PH-0551 NJ: 73581

CTM Analytical Laboratories, Ltd.

15 Century Hill Drive
P.O. Box 727
Latham, NY 12110
518-786-7100
FAX 518-786-7139

GC/MS
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ICAP
Sampling Services

OHM REMEDIATION SERVICES CORP
P.O.BOX 2202
PLATTSBURGH NY 12901

CTM PROJECT #: 9913642

CTM Task #: 960729A

Attention: MR. GREG GUIMOND

Purchase Order Number: 1024783
Date Sampled: 07/25/96 Time: 15:20
Sampled By : JONES
Sample Id: CFCP-1
Location : PLATTSBURGH, NEW YORK

CTM Sample No: 960729A 01
Date Received: 07/27/96
Collection Method: COMPOSITE
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referenc
TCLP-ZERO HEADSPACE EXTRACTION	SW-846 METHOD 1311	COMPLETED			DO 7/28/96
TCLP VOLATILES	SW-846 METHOD 8240	COMPLETED			GCMSCD:86 7/30/96
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			GCMSCD:86 7/30/96
BENZENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:86 7/30/96
CARBON TETRACHLORIDE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:86 7/30/96
CHLOROBENZENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:86 7/30/96
CHLOROFORM (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:86 7/30/96
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:86 7/30/96
1,2-DICHLOROETHANE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:86 7/30/96
1,1-DICHLOROETHYLENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:86 7/30/96
METHYL ETHYL KETONE (TCLP)	SW-846 METHOD 8240	ND	10	MCG/L	GCMSCD:86 7/30/96
TETRACHLOROETHYLENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:86 7/30/96
TRICHLOROETHYLENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:86 7/30/96
VINYL CHLORIDE (TCLP)	SW-846 METHOD 8240	ND	10	MCG/L	GCMSCD:86 7/30/96
TCLP EXTRACTION	SW-846 METHOD 1311	COMPLETED			D-20:145 7/28/96
TCLP ACID EXTRACTABLES	SW-846 METHOD 8270	COMPLETED			GCMSB:106 7/30/96
EXTRACTION FOR TCLP ACID/EXT.	SW-846 METHOD 8270	COMPLETED			DO 7/29/96
O-CRESOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	20	MCG/L	GCMSB:106 7/30/96
PENTACHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	100	MCG/L	GCMSB:106 7/30/96
2,4,5-TRICHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	100	MCG/L	GCMSB:106 7/30/96
2,4,6-TRICHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	20	MCG/L	GCMSB:106 7/30/96
M & P CRESOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	40	MCG/L	GCMSB:106 7/30/96
TCLP BASE/NEUTRALS	SW-846 METHOD 8270 BASE/NEUTRALS	COMPLETED			GCMSB:106 7/30/96
EXTRACTION FOR TCLP B/N	SW-846 METHOD 8270	COMPLETED			DO 7/29/96
HEXACHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:106 7/30/96
HEXACHLOROBUTADIENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:106 7/30/96
PYRIDINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:106 7/30/96
2,4-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:106 7/30/96
HEXACHLOROETHANE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:106 7/30/96
NITROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:106 7/30/96
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:106 7/30/96
TCLP PESTICIDES/HERBICIDES	SW-846 METHODS 8080/8150	COMPLETED			DO 7/30/96

(CONTINUES ON NEXT PAGE)

REMARKS:

CTM Analytical Laboratories, Ltd.

15 Century Hill Drive
P.O. Box 727
Latham, NY 12110
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Sampling Services

OHM REMEDIATION SERVICES CORP
P.O.BOX 2202
PLATTSBURGH NY 12901

Attention: MR. GREG GUIMOND

CTM PROJECT #: 9913642

CTM Task #: 960729A

Purchase Order Number: 1024783
Date Sampled: 07/25/96 Time: 15:20
Sampled By : JONES
Sample Id: CFCP-1
Location : PLATTSBURGH, NEW YORK

CTM Sample No: 960729A 01
Date Received: 07/27/96
Collection Method: COMPOSITE
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referenc
(CONTINUED FROM PREVIOUS PAGE)					
EXTRACTION FOR TCLP PESTICIDE	SW-846 METHOD 8080	COMPLETED			DO 7/29/96
CHLORDANE (TCLP)	SW-846 METHOD 8080	ND	2.0	MCG/L	GC8D:79 7/30/96
ENDRIN (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC8D:79 7/30/96
HEPTACHLOR (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC8D:79 7/30/96
HEPTACHLOR EPOXIDE (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC8D:79 7/30/96
LINDANE (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC8D:79 7/30/96
METHOXYCHLOR (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC8D:79 7/30/96
TOXAPHENE (TCLP)	SW-846 METHOD 8080	ND	4.0	MCG/L	GC8D:79 7/30/96
EXTRACTION FOR TCLP HERBICIDE	SW-846 METHOD 8150	COMPLETED			DO 7/29/96
2,4-D (TCLP)	SW-846 METHOD 8150	ND	0.20	MCG/L	GC8D:99 7/30/96
2,4,5-TP (SILVEX) (TCLP)	SW-846 METHOD 8150	ND	0.20	MCG/L	GC8D:99 7/30/96
ACID DIGESTION ON TCLP EXTRACT	SW-846 METHOD 3010	COMPLETED			D-20:148 7/30/96
MERCURY PREPARATION - TCLP	SW-846 METHOD 7471	COMPLETED			D-20:147 7/29/96
ARSENIC, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-4:106 7/31/96
BARIUM, BY TCLP	SW-846 METHOD 6010	0.55	0.30	MG/L	F-4:106 7/31/96
CADMIUM, BY TCLP	SW-846 METHOD 6010	ND	0.005	MG/L	F-4:106 7/31/96
CHROMIUM, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-4:106 7/31/96
LEAD, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-4:106 7/31/96
MERCURY, BY TCLP	SW-846 METHOD 7471	ND	0.0002	MG/L	E-4:96 7/30/96
SELENIUM, BY TCLP	SW-846 METHOD 6010	ND	0.050	MG/L	F-4:106 7/31/96
SILVER, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-4:106 7/31/96

REMARKS:

END OF REPORT

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

Remediation Services Corp.

CHAIN-OF-CUSTODY RECORD

960+21A

TRANSFER 3

Form 0019
Field Technical Services
Rev. 08/99

CTM P.O.# 1024783 172263

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME	PROJECT LOCATION
PAFB	Plattsburgh, NY

PROJ. NO.	PROJECT CONTACT	PROJECT TELEPHONE NO.
17257	Greg Guimond	(518) 562-3631

CLIENT'S REPRESENTATIVE	PROJECT MANAGER/SUPERVISOR
Joe Szot	Ken Kukkonen

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS) — Full TCLP	REMARKS
1	CFCP-1	7-25-96	1520	X		Tan Sand from Christian Pit (Clean Fill)	1×1l	X	
2									
3									
4									
5									
6									
7									
8									
9									
10									

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1	Matthew Jones	Fed Ex Airbill # 124341013	7-26-96	1530
2					
3				7/27/96	11:11 AM
4					

REMARKS
- Preserved at 4°C
- Temp Blank Included (@ 1.7°C)
- 5 day TAT

ex 7/27/96

SAMPLER'S SIGNATURE
Matthew Jones

23003

Soil Sample Collection Log

Plattsburgh AFB - Project # 17257/17499

Date: 7-25-96 Site: CLEAN FILL CHRISTIAN PIT

Weather: PlC 75° Samplers: MJ, MS

Sample ID	Time	PID Screen	Comp/ Grab	Sample Depth (ft)	Coordinates Ref. Pt.	Ref. Pt.	Sample Description	# of Bottles
CFCP-1	1520	NA	C	1.5-2'	—	—	Tan Sand	1x1L

Map Attached: (Yes) No

-Reference Points: Yes (No)

-Head Space Readings: Yes (No)

Sample Type: Screening Confirmation Disposal/Characterization

Requested Analysis: VOCs SVOCs Other: Full TCLP

Split sample Collected: Yes No

Laboratory Destination: CTM COC # 172263 Airbill # _____

Duplicate Collected: Yes (No) Rinsate Collected: Yes (No)

On-Site Laboratory Chain of Custody / Request for Analysis

Requested Analysis: VOCs SVOCs Cooler Temperature: _____

Relinquished by (dd/tt): _____ Received by (dd/tt): _____

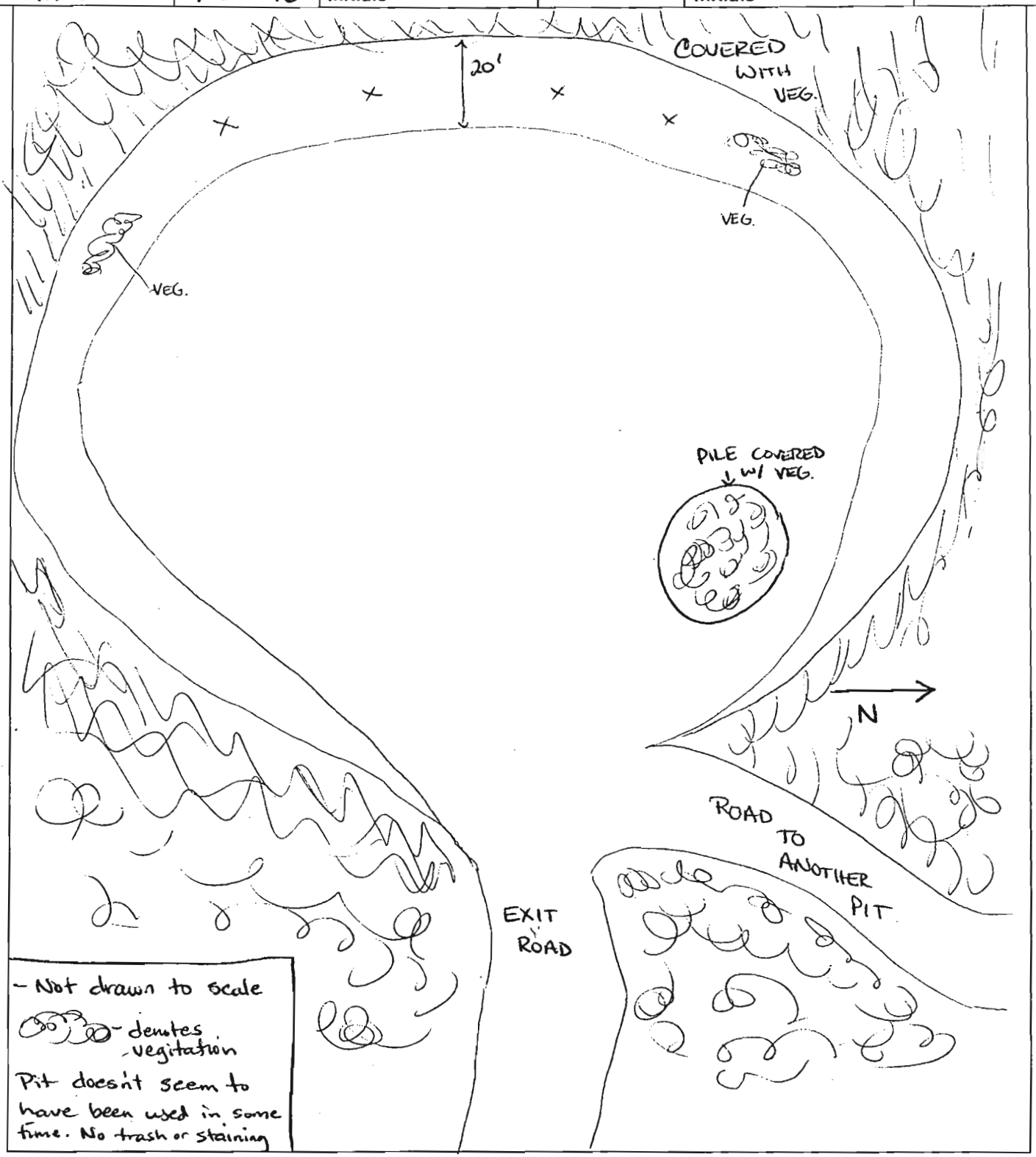
OHM Remediation Services Corp.

COMPUTATION SHEET

Form No. 0048
Midwest Tech. Servs.
Rev. 08/89

Proj. No.	Client	Location	Subject
17499/17257	AFCEE	CHRISTIAN PIT-CLEAN FILL	TCLP Sample

Preparer's Initials	Date	Reviewer's Initials	Date	Approver's Initials	Date
MHJ	7-25-96				



CTM Analytical Laboratories, Ltd.

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FAX 518-786-7139

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Laboratory Analysis Report
Prepared for: OHM REMEDIATION SERVICES CORP
CTM Project Number: 9913642
CTM Task Number: 960725M
31 JUL 1996

IMPORTANT - PLEASE NOTE

1. All results are calculated on a dry weight basis unless otherwise specified.
2. PQL = Practical Quantitation Limit.
3. A result with a "D" means that the result was "Detected" below the Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).
4. ND = Not Detected at or above the PQL.
5. NTP = Non-target peaks (1-5 peaks).
   MNTP = Many non-target peaks (5+ peaks).
6. pH results not performed in the field should be considered estimated since the holding time is 15 minutes from the sampling time.
7. If the samples are collected independently of our laboratory, CTM is not responsible for the possible contamination during the sampling procedure.
8. Methylene chloride and acetone are common laboratory artifacts for volatile organic analysis. Bis-(2-ethyl-hexyl) phthalate and di-n-butylphthalate are common laboratory artifacts for GC/MS semivolatile analysis. Other compounds ma also appear as laboratory artifacts for the organic analyses. The above compounds will be flagged as suspected laboratory artifacts if the detected value is less than five (5) times of the PQL in the sample. Acetone will be flagged as a suspected laboratory artifact only up to two and a half (2.5) times of the PQL.
9. If air samples are collected independently of our laboratory, CTM is not responsible for inadequate sample volume for air analysis.

AUTHORIZED FOR RELEASE: Christopher Hess DATE: 7/31/96

CERTIFICATIONS:
NYS E.L.A.P. ID NO: 10358 MA: NY052 CT: PH-0551 NJ: 73581

CTM Analytical Laboratories, Ltd.

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P.O. Box 727
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FAX 518-786-7139

GC/MS
GC
ICAP
Sampling Services

OHM REMEDIATION SERVICES CORP
P.O.BOX 2202
PLATTSBURGH NY 12901

Attention: MR. GREG GUIMOND

CTM PROJECT #: 9913642

CTM Task #: 960725M

Purchase Order Number:
Date Sampled: 07/24/96 Time: 10:20
Sampled By : JONES
Sample Id: SCF-1
Location : PLATTSBURGH, NEW YORK

CTM Sample No: 960725M 01
Date Received: 07/25/96
Collection Method: COMPOSITE
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referenc
TCLP-ZERO HEADSPACE EXTRACTION	SW-846 METHOD 1311	COMPLETED			DO 7/28/96
TCLP VOLATILES	SW-846 METHOD 8240	COMPLETED			GCMSCD:86 7/30/9
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			GCMSCD:86 7/30/9
BENZENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:86 7/30/9
CARBON TETRACHLORIDE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:86 7/30/9
CHLOROBENZENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:86 7/30/9
CHLOROFORM (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:86 7/30/9
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:86 7/30/9
1,2-DICHLOROETHANE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:86 7/30/9
1,1-DICHLOROETHYLENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:86 7/30/9
METHYL ETHYL KETONE (TCLP)	SW-846 METHOD 8240	ND	10	MCG/L	GCMSCD:86 7/30/9
TETRACHLOROETHYLENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:86 7/30/9
TRICHLOROETHYLENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:86 7/30/9
VINYL CHLORIDE (TCLP)	SW-846 METHOD 8240	ND	10	MCG/L	GCMSCD:86 7/30/9
TCLP EXTRACTION	SW-846 METHOD 1311	COMPLETED			D-20:143 7/25/96
TCLP ACID EXTRACTABLES	SW-846 METHOD 8270	COMPLETED			GCMSB:106 7/30/9
EXTRACTION FOR TCLP ACID/EXT.	SW-846 METHOD 8270	COMPLETED			DO 7/29/96
O-CRESOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	20	MCG/L	GCMSB:106 7/30/9
PENTACHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	100	MCG/L	GCMSB:106 7/30/9
2,4,5-TRICHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	100	MCG/L	GCMSB:106 7/30/9
2,4,6-TRICHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	20	MCG/L	GCMSB:106 7/30/9
M & P CRESOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	40	MCG/L	GCMSB:106 7/30/9
TCLP BASE/NEUTRALS	SW-846 METHOD 8270 BASE/NEUTRALS	COMPLETED			GCMSB:106 7/30/9
EXTRACTION FOR TCLP B/N	SW-846 METHOD 8270	COMPLETED			DO 7/29/96
HEXACHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:106 7/30/9
HEXACHLOROBUTADIENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:106 7/30/9
PYRIDINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:106 7/30/9
2,4-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:106 7/30/9
HEXACHLOROETHANE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:106 7/30/9
NITROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:106 7/30/9
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:106 7/30/9
TCLP PESTICIDES/HERBICIDES	SW-846 METHODS 8080/8150	COMPLETED			DO 7/30/96

(CONTINUES ON NEXT PAGE)

REMARKS:

CTM Analytical Laboratories, Ltd.

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GC/MS
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Sampling Services

OHM REMEDIATION SERVICES CORP
P.O.BOX 2202
PLATTSBURGH NY 12901

Attention: MR. GREG GUIMOND

CTM PROJECT #: 9913642

CTM Task #: 960725M

Purchase Order Number:
Date Sampled: 07/24/96 Time: 10:20
Sampled By : JONES
Sample Id: SCF-1
Location : PLATTSBURGH, NEW YORK

CTM Sample No: 960725M 01
Date Received: 07/25/96
Collection Method: COMPOSITE
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referen
(CONTINUED FROM PREVIOUS PAGE)					
EXTRACTION FOR TCLP PESTICIDE	SW-846 METHOD 8080	COMPLETED			DO 7/29/96
CHLORDANE (TCLP)	SW-846 METHOD 8080	ND	2.0	MCG/L	GC8D:79 7/30/96
ENDRIN (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC8D:79 7/30/96
HEPTACHLOR (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC8D:79 7/30/96
HEPTACHLOR EPOXIDE (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC8D:79 7/30/96
LINDANE (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC8D:79 7/30/96
METHOXYCHLOR (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC8D:79 7/30/96
TOXAPHENE (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC8D:79 7/30/96
EXTRACTION FOR TCLP HERBICIDE	SW-846 METHOD 8150	COMPLETED			DO 7/28/96
2,4-D (TCLP)	SW-846 METHOD 8150	ND	0.20	MCG/L	GC8D:79 7/30/96
2,4,5-TP (SILVEX) (TCLP)	SW-846 METHOD 8150	ND	4.0	MCG/L	GC8D:79 7/30/96
ACID DIGESTION ON TCLP EXTRACT	SW-846 METHOD 3010	COMPLETED			D-20:146 7/26/96
MERCURY PREPARATION - TCLP	SW-846 METHOD 7471	COMPLETED			D-20:147 7/29/96
ARSENIC, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-4:105 7/29/96
BARIUM, BY TCLP	SW-846 METHOD 6010	0.41	0.30	MG/L	F-4:105 7/29/96
CADMIUM, BY TCLP	SW-846 METHOD 6010	ND	0.005	MG/L	F-4:105 7/29/96
CHROMIUM, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-4:105 7/29/96
LEAD, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-4:105 7/29/96
MERCURY, BY TCLP	SW-846 METHOD 7471	ND	0.0002	MG/L	E-4:96 7/30/96
SELENIUM, BY TCLP	SW-846 METHOD 6010	ND	0.050	MG/L	F-4:105 7/29/96
SILVER, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-4:105 7/29/96

REMARKS:

END OF REPORT

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

OHM Remediation Services Corp.

960725M

CHAIN-OF-CUSTODY RECORD

CTM P.O.# 1024783

Form 0019
Field Technical Services
Rev. 08/88

17262

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME	PROJECT LOCATION
PAFB	Plattsburgh, NY

PROJ. NO.	PROJECT CONTACT	PROJECT TELEPHONE NO.
17257	Greg Guimond	(518) 562-3631

CLIENT'S REPRESENTATIVE	PROJECT MANAGER/SUPERVISOR
Joe Szot	Mo Cormier

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS) Full TCLP	REMARKS
1	SCF-1	7-24 96	1020	X		Tan Sand	1x1l	X	From Pit at SHINGLE ST SAND & SEPTIC
2	*SCF-2*	7-24 96	1028	X		Tan Sand	1x1l	X	SAME AS ABOVE (NEXT 50,000 cu/yd)
3									
4									
5									
6									
7									
8									
9									
10									

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1-2	Matthew Jones	Fed Ex Airbill # 124341013 6	7-24 96	1530
2		[illegible]		7/25/96	945
3					
4					

REMARKS

- Preserved at 4°C
- Temp Blank included
- 5 day TAT

* Hold sample : As per Greg Guimond 7/24/96

SAMPLER'S SIGNATURE

Matthew Jones

Soil Sample Collection Log

Plattsburgh AFB - Project # 17257/17499

Pg. 1 of 1

Date: 7-24-96

Site: SHINGLE ST. ~~Sinister~~ Septic & Sand

Weather: Sunny / 80°

Samplers:

Sample ID	Time	PID Screen	Comp/ Grab	Sample Depth (ft)	Coordinates Ref. Pt.	Coordinates Ref. Pt.	Sample Description	# of Bottles
SCF-1	1020		C				Tan Sand	1+1L
SCF-2	1028		C	15'			Tan Sand	1+1L
→ not analyzed	//							

Map Attached: (Yes) No

-Reference Points: Yes (No)

-Head Space Readings: Yes (No)

Sample Type: Screening Confirmation (Disposal/Characterization)

Requested Analysis: VOCs SVOCs Other: Full TCLP

Split sample Collected: Yes No

Laboratory Destination: CTM COC # 172262 Airbill # _____

Duplicate Collected: Yes No Rinsate Collected: Yes No

On-Site Laboratory Chain of Custody / Request for Analysis

Requested Analysis: VOCs SVOCs Cooler Temperature: _____

Relinquished by (dd/tt): _____ Received by (dd/tt): _____

OHM Remediation Services Corp.

COMPUTATION SHEET

Form No. 0048
Midwest Tech. Servs.
Rev. 08/89

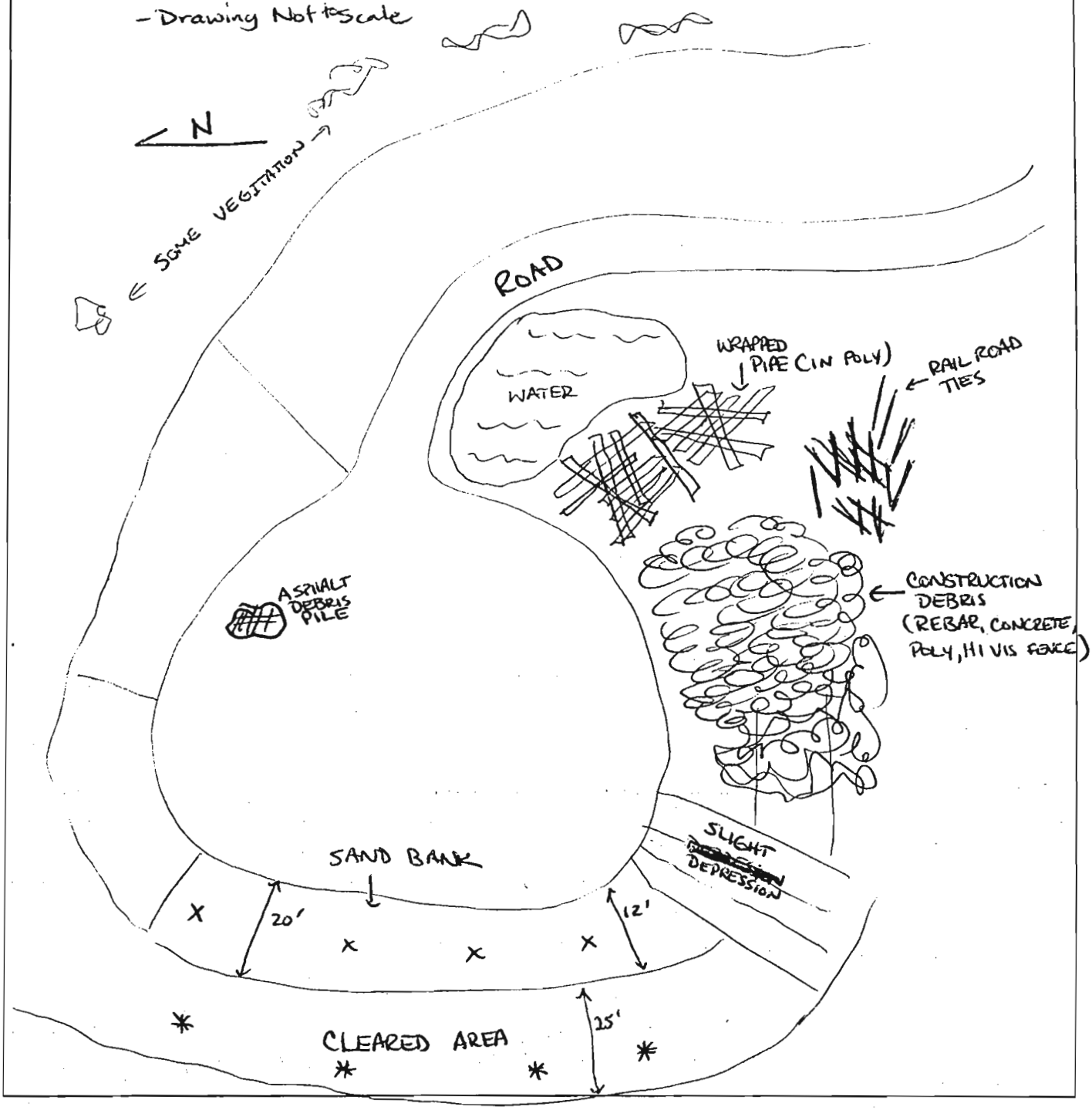
Proj. No.	Client	Location	Subject
17499/17257	AFCEE	SHINGLE ST. SAND & SEPTIC SHUYLER FALLS	Clean Fill Sampling

Preparer's Initials	Date	Reviewer's Initials	Date	Approver's Initials	Date
MHJ	7/24/96				

X - denotes specific sample locations for composite SCF-1

* - denotes specific sample locations for composite SCF-2

- Drawing Not to scale



Sampling & Analysis Site Report
On-Site Laboratory
Plattsburgh AFB - Project #17499

Site: Ormsby Sand Mine, Peru, NY

Date: 07/30/96

Sample Collection:

-A composite sample (CF-719) was collected from the Ormsby Sand Mine in Peru, NY on 07/19/96. The sand from the pit was used for backfill material at many of the sites throughout the base. The sample was collected to confirm that the material is free of contaminants.

-A map of the pit and the sample locations is included with this report.

On-Site Analysis:

-No samples were analyzed on-site.

Off-Site Analysis:

-The sample CF-719 was shipped to CTM Laboratories in Latham, NY for a full TCLP analysis. The analysis results are included with this report.

-The sample results were compared to the Hazardous Waste Regulatory Levels for Toxicity Characteristic. None of the constituents of concern, if detected, exceeded the regulatory levels. A copy of the regulatory levels is included with this report.

CTM Analytical Laboratories, Ltd.

15 Century Hill Drive
P.O. Box 727
Latham, NY 12110
518-786-7100
FAX 518-786-7139

GC/MS
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Sampling Services

Laboratory Analysis Report
Prepared for: OHM REMEDIATION SERVICES CORP
CTM Project Number: 9913642
CTM Task Number: 960723H
02 AUG 1996

IMPORTANT - PLEASE NOTE

1. All results are calculated on a dry weight basis unless otherwise specified.
2. PQL = Practical Quantitation Limit.
3. A result with a "D" means that the result was "Detected" below the Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).
4. ND = Not Detected at or above the PQL.
5. NTP = Non-target peaks (1-5 peaks).
   MNTP = Many non-target peaks (5+ peaks).
6. pH results not performed in the field should be considered estimated since the holding time is 15 minutes from the sampling time.
7. If the samples are collected independently of our laboratory, CTM is not responsible for the possible contamination during the sampling procedure.
8. Methylene chloride and acetone are common laboratory artifacts for volatile organic analysis. Bis-(2-ethyl-hexyl) phthalate and di-n-butylphthalate are common laboratory artifacts for GC/MS semivolatile analysis. Other compounds may also appear as laboratory artifacts for the organic analyses. The above compounds will be flagged as suspected laboratory artifacts if the detected value is less than five (5) times of the PQL in the sample. Acetone will be flagged as a suspected laboratory artifact only up to two and a half (2.5) times of the PQL.
9. If air samples are collected independently of our laboratory, CTM is not responsible for inadequate sample volume for air analysis.

AUTHORIZED FOR RELEASE: Christopher Hess

DATE: 8/2/96

CERTIFICATIONS:
NYS E.L.A.P. ID NO: 10358 MA: NY052 CT: PH-0551 NJ: 73581

CTM Analytical Laboratories, Ltd.

15 Century Hill Drive
P.O. Box 727
Latham, NY 12110
518-786-7100
FAX 518-786-7139

GC/MS
GC
ICAP
Sampling Services

OHM REMEDIATION SERVICES CORP
P.O.BOX 2202
PLATTSBURGH NY 12901

Attention: MR. GREG GUIMOND

CTM PROJECT #: 9913642

CTM Task #: 960723H

Purchase Order Number:
Date Sampled: 07/19/96 Time: 11:50
Sampled By : JONES
Sample Id: CF-719
Location : PLATTSBURGH, NEW YORK

CTM Sample No: 960723H 01
Date Received: 07/23/96
Collection Method: COMPOSITE
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
TCLP-ZERO HEADSPACE EXTRACTION	SW-846 METHOD 1311	COMPLETED			DO 7/24/96
TCLP VOLATILES	SW-846 METHOD 8240	COMPLETED			
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			
BENZENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:85 7/29/96
CARBON TETRACHLORIDE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:85 7/29/96
CHLOROBENZENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:85 7/29/96
CHLOROFORM (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:85 7/29/96
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:85 7/29/96
1,2-DICHLOROETHANE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:85 7/29/96
1,1-DICHLOROETHYLENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:85 7/29/96
METHYL ETHYL KETONE (TCLP)	SW-846 METHOD 8240	ND	10	MCG/L	GCMSCD:85 7/29/96
TETRACHLOROETHYLENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:85 7/29/96
TRICHLOROETHYLENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCD:85 7/29/96
VINYL CHLORIDE (TCLP)	SW-846 METHOD 8240	ND	10	MCG/L	GCMSCD:85 7/29/96
TCLP EXTRACTION	SW-846 METHOD 1311	COMPLETED			D-20:140 7/23/96
TCLP ACID EXTRACTABLES	SW-846 METHOD 8270	COMPLETED			
EXTRACTION FOR TCLP ACID/EXT.	SW-846 METHOD 8270	COMPLETED			DO 7/25/96
O-CRESOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	20	MCG/L	GCMSB:105 7/29/96
PENTACHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	100	MCG/L	GCMSB:105 7/29/96
2,4,5-TRICHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	100	MCG/L	GCMSB:105 7/29/96
2,4,6-TRICHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	20	MCG/L	GCMSB:105 7/29/96
M & P CRESOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	40	MCG/L	GCMSB:105 7/29/96
TCLP BASE/NEUTRALS	SW-846 METHOD 8270 BASE/NEUTRALS	COMPLETED			
EXTRACTION FOR TCLP B/N	SW-846 METHOD 8270	COMPLETED			DO 7/25/96
HEXACHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:105 7/29/96
HEXACHLOROBUTADIENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:105 7/29/96
PYRIDINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:105 7/29/96
2,4-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:105 7/29/96
HEXACHLOROETHANE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:105 7/29/96
NITROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:105 7/29/96
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSB:105 7/29/96
TCLP PESTICIDES/HERBICIDES	SW-846 METHODS 8080/8150	COMPLETED			DO 7/30/96

(CONTINUES ON NEXT PAGE)

REMARKS:

CTM Analytical Laboratories, Ltd.

15 Century Hill Drive
P.O. Box 727
atham, NY 12110
18-786-7100
FAX 518-786-7139

GC/MS
GC
ICAP
Sampling Services

OHM REMEDIATION SERVICES CORP
P.O.BOX 2202
PLATTSBURGH NY 12901

CTM PROJECT #: 9913642

CTM Task #: 960723H

Attention: MR. GREG GUIMOND

Purchase Order Number:
Date Sampled: 07/19/96 Time: 11:50
Sampled By : JONES
Sample Id: CF-719
Location : PLATTSBURGH, NEW YORK

CTM Sample No: 960723H 01
Date Received: 07/23/96
Collection Method: COMPOSITE
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
EXTRACTION FOR TCLP PESTICIDE	SW-846 METHOD 8080	COMPLETED			DO 7/24/96
CHLORDANE (TCLP)	SW-846 METHOD 8080	ND	2.0	MCG/L	GC8D:78 7/27/96
ENDRIN (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC8D:78 7/27/96
HEPTACHLOR (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC8D:78 7/27/96
HEPTACHLOR EPOXIDE (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC8D:78 7/27/96
LINDANE (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC8D:78 7/27/96
METHOXYCHLOR (TCLP)	SW-846 METHOD 8080	ND	0.20	MCG/L	GC8D:78 7/27/96
TOXAPHENE (TCLP)	SW-846 METHOD 8080	ND	4.0	MCG/L	GC8D:78 7/27/96
EXTRACTION FOR TCLP HERBICIDE	SW-846 METHOD 8150	COMPLETED			DO 7/28/96
2,4-D (TCLP)	SW-846 METHOD 8150	ND	0.20	MCG/L	GC8D:79 7/30/96
2,4,5-TP (SILVEX) (TCLP)	SW-846 METHOD 8150	ND	0.20	MCG/L	GC8D:79 7/30/96
ACID DIGESTION ON TCLP EXTRACT	SW-846 METHOD 3010	COMPLETED			D-20:141 7/24/96
MERCURY PREPARATION - TCLP	SW-846 METHOD 7471	COMPLETED			D-20:143 7/24/96
ARSENIC, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-4:104 7/25/96
BARIUM, BY TCLP	SW-846 METHOD 6010	0.50	0.26	MG/L	F-4:104 7/25/96
CADMIUM, BY TCLP	SW-846 METHOD 6010	0.008	0.005	MG/L	F-4:104 7/25/96
CHROMIUM, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-4:104 7/25/96
LEAD, BY TCLP	SW-846 METHOD 6010	0.32	0.010	MG/L	F-4:104 7/25/96
MERCURY, BY TCLP	SW-846 METHOD 7471	ND	0.0002	MG/L	E-4:94 7/25/96
SELENIUM, BY TCLP	SW-846 METHOD 6010	ND	0.050	MG/L	F-4:104 7/25/96
SILVER, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-4:104 7/25/96

REMARKS:

END OF REPORT

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

OHM Remediation Services Corp.

960723H

CHAIN-OF-CUSTODY RECORD

Form 0019
Field Technical Services
Rev. 08/89

172261

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME	PROJECT LOCATION
PAFB	Plattsburgh, NY

PROJ. NO.	PROJECT CONTACT	PROJECT TELEPHONE NO
17257	Greg Guimond	(518) 562-3631

CLIENT'S REPRESENTATIVE	PROJECT MANAGER/SUPERVISOR
Joe Szot	Mo Comier

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS) Full TCLP	REMARKS
1	CF-3719	7-19-96	1150	X		Gold Sand	1x1	X	Clean Fill from Ormsby stock Pile
2									
3									
4									
5									
6									
7									
8									
9									
10									

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1	Matthew Jones	Fed Ex Airbill # 124340994 1	7-22-96	1530
2					
3					
4					

REMARKS
1 - Preserved at 4°C
- 5 day TAT

SAMPLER'S SIGNATURE
Matthew Jones

Soil Sample Collection Log

Plattsburgh AFB - Project # 17257/17499

Date: 7-19-96 Site: Perc Clean Fill

Weather: Cloudy/75 Samplers: MJ/JK

Sample ID	Time	PID Screen	Comp/ Grab	Sample Depth (ft)	Coordinates Ref. Pt.	Coordinates Ref. Pt.	Sample Description	# of Bottles
CF-719	1150	NA	C	2'			Golden Sand	1x1

Map Attached: (Yes) No

-Reference Points: Yes (No)

-Head Space Readings: Yes (No)

Sample Type: Screening Confirmation Disposal/Characterization

Requested Analysis: VOCs SVOCs Other: Full TCLP

Split sample Collected: Yes (No)

Laboratory Destination:_____ COC #_____ Airbill # _____

Duplicate Collected: Yes (No) Rinsate Collected: Yes (No)

On-Site Laboratory Chain of Custody / Request for Analysis

Requested Analysis: VOCs SVOCs Cooler Temperature:_____

Relinquished by (dd/tt):_____ Received by (dd/tt):_____

OHM Remediation Services Corp.

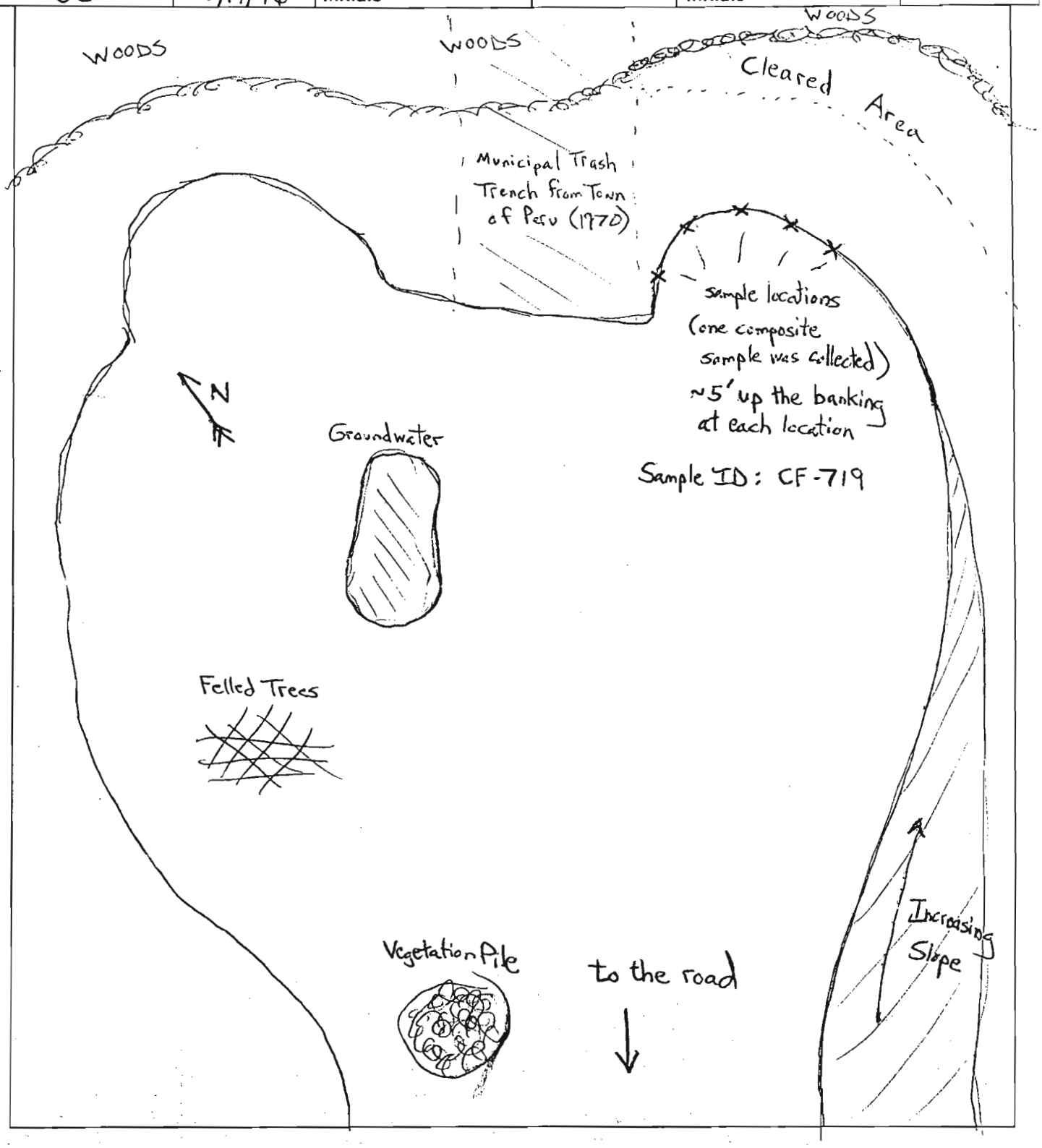
COMPUTATION SHEET

Form No. 0048
Midwest Tech. Servs.
Rev. 08/89

Page _____ of _____

Proj. No.	Client	Location	Subject
17257	AFCEE	Ormsby Sand Mine	Clean Fill Testing

Preparer's Initials	Date	Reviewer's Initials	Date	Approver's Initials	Date
GG	7/19/96				



Soil Sample Collection Log

Plattsburgh AFB - Project # 17257/17499

Date: 6/25/96

Site: Plattsburgh Quarries/ Morrisonville Ad Lock Pit

Weather: Rain / 65°

Samplers: MJ

Sample ID	Time	PID Screen	Comp/ Grab	Sample Depth (ft)	Coordinates Ref. Pt.	Coordinates Ref. Pt.	Sample Description	# of Bottles
ADLockPIT-01	1130		C	1.5-2'			Gold/Brown Sand	1 x 12

Map Attached: (Yes) No

-Reference Points: Yes (No)

-Head Space Readings: Yes (No)

Sample Type: (Screening) Confirmation Disposal/Characterization Clean Fill Screening

Requested Analysis: VOCs SVOCs Other: Full TCLP

Split sample Collected: Yes ~~No~~

Laboratory Destination: ~~Adirondack~~ Champlain Labs COC # 172233 Airbill # N/A

Duplicate Collected: Yes (No) Rinsate Collected: Yes (No)

On-Site Laboratory Chain of Custody / Request for Analysis

Requested Analysis: VOCs SVOCs Cooler Temperature: _____

Relinquished by (dd/tt): _____ Received by (dd/tt): _____

OHM Remediation Services Corp.

COMPUTATION SHEET

Form No. 0048
Midwest Tech. Servs.
Rev. 08/89

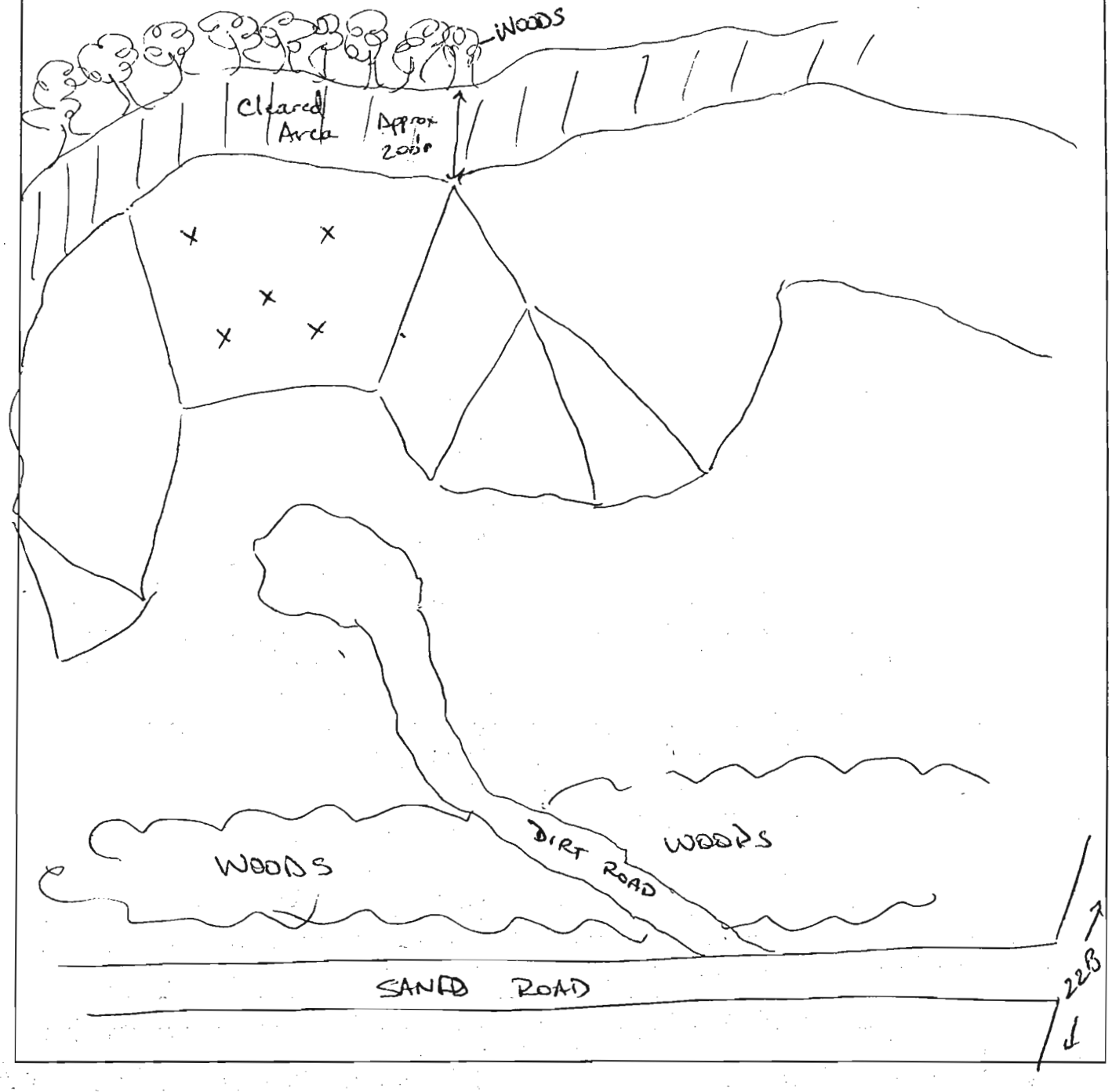
Page _____ of _____

Proj. No.	Client	Location	Subject
	AFCEE	Morrisonville Ad Cock Pit	Clean Fill Sample

Preparer's Initials	Date	Reviewer's Initials	Date	Approver's Initials	Date
MS	6-25-96				

X- denotes specific sample location for composite ADCOCKPIT-1

Soil pile approx 60' high
No trash, debris or stains in or on top of soil pile



Remediation Services Corp.

CHAIN-OF-CUSTODY RECORD

TRANSFER 1

Form 0019
Field Technical Services
Rev. 08/89

17233

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME	PROJECT LOCATION
PAFB	Plattsburgh, NY

PROJ. NO.	PROJECT CONTACT	PROJECT TELEPHONE NO.
17257	Greg Guimond	(518) 562-3534

CLIENT'S REPRESENTATIVE	PROJECT MANAGER/SUPERVISOR
Joe Szot	Mo Comier

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS) Full TCLP	REMARKS
1	ADCock Pit-01	6-25-96	1130	X		Sand Composite	1x1	X	
2									
3									
4									
5									
6									
7									
8									
9									
10									

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1	Matthew Jones	[illegible] Richey	6-25-96	1530
2					
3					
4					

REMARKS

- 3 day TAT

SAMPLER'S SIGNATURE

Matthew Jones

O[illegible] Remediation Se[illegible]es Corp.

CHAIN-OF-CUSTODY RECORD

LAB COPY

Form 0019
Field Technical Services
Rev. 08/89

172233

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME	PROJECT LOCATION
PAFB	Plattsburgh, NY

PROJ. NO.	PROJECT CONTACT	PROJECT TELEPHONE NO.
17257	Greg Gummo	(518) 562-3534

CLIENT'S REPRESENTATIVE	PROJECT MANAGER/SUPERVISOR
Joe Szot	Mo Comier

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS) Full TCLP	REMARKS
1	ADCock Pit-01	6-25-96	1130	X		Sand Composite	1x1L	X	
2									
3									
4									
5									
6									
7									
8									
9									
10									

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1	Matthew Jones		6-25-96	
2					
3					
4					

REMARKS

- 3 day TAT

SAMPLER'S SIGNATURE

Matthew Jones

OHM Remediation Services Corp.

COMPUTATION SHEET

Form No. 0048
Midwest Tech. Servs.
Rev. 08 89

Page _____ of _____

Proj. No.	Client	Location	Subject

Preparer's Initials	Date	Reviewer's Initials	Date	Approver's Initials	Date

David Bushey, Champlain Laboratory

Re: Full TCLP (soil, fastest TAT)

- Please fax the results to us ASAP. You can give our fax # to the sub-contracted lab if that would be faster.

FAX: 562-5435

For billing purposes you can mail the invoice to

Dave Voigt
OHM Corp./PAFB
P.O. Box 2202
Plattsburgh, NY 12901-0268

or you can mail the invoice to me with the hard copy of the results at the same address (Greg Guimond).

If you have any questions please call
Tel. 562-3923

Thanks,

Greg Guimond

Sampling & Analysis Site Report
On-Site Laboratory
Plattsburgh AFB - Project #17499

Site: Ormsby Sand Mine, Peru, NY

Date: 06/10/96

Sample Collection:

-A composite sample (CF-002A) was collected from the Ormsby Sand Mine in Peru, NY on 06/04/96. The sand from the pit was used for backfill material at many of the sites throughout the base. The sample was collected to confirm that the material is free of contaminants.

-A map of the pit and the sample locations is included with this report.

On-Site Analysis:

-No samples were analyzed on-site.

Off-Site Analysis:

-The sample CF-002A was shipped to OHM Analytical Division (OHMAD) in Findlay, OH for a full TCLP analysis. The analysis results are included with this report.

-The sample results were compared to the Hazardous Waste Regulatory Levels for Toxicity Characteristic. None of the constituents of concern, if detected, exceeded the regulatory levels. A copy of the regulatory levels is included with this report.

DATA SUMMARY REPORT

DATE: 06/10/96

PAGE: 1

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	CF-002A
ASC Sample Number:	JP9050
Sample Date:	960604
Facility Code:	017257A

Parameters	Units	
CV10 Wet Chemistry		
Solids, Total	%	95.4

Sample Point ID:	CF-002A
ASC Sample Number:	JP9050
Sample Date:	960604
Facility Code:	017257A

Parameters	Units	
GS52 TCLP Leachate Herbicide		
2,4-D	mg/L	<.250
2,4,5-TP (Silvex)	mg/L	<.250

Sample Point ID:	CF-002A
ASC Sample Number:	JP9050
Sample Date:	960604
Facility Code:	017257A

Parameters	Units	
GS54 TCLP Leachate Pesticide		
Chlordane	mg/L	<.020
Endrin	mg/L	<.002
Heptachlor	mg/L	<.002
Heptachlor epoxide	mg/L	<.002
Gamma-BHC (Lindane)	mg/L	<.002
Methoxychlor	mg/L	<.002
Toxaphene	mg/L	<.040

DATA SUMMARY REPORT

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	CF-002A
ASC Sample Number:	JP9050
Sample Date:	960604
Facility Code:	017257A

Parameters	Units	
ME52 TCLP Leachate Metals		
Arsenic	mg/L	<.100
Barium	mg/L	.660
Cadmium	mg/L	<.005
Chromium	mg/L	<.020
Lead	mg/L	<.100
Mercury	mg/L	<.0001
Selenium	mg/L	<.100
Silver	mg/L	<.020

Sample Point ID:	CF-002A
ASC Sample Number:	JP9050
Sample Date:	960604
Facility Code:	017257A

Parameters	Units	
MS52 GCMS TCLP Leachate BNA		
2,4-Dinitrotoluene	mg/L	<.100
Hexachlorobenzene	mg/L	<.100
Hexachloroethane	mg/L	<.100
Hexachlorobutadiene	mg/L	<.100
2-Methylphenol	mg/L	<.100
4-Methylphenol	mg/L	<.100
Nitrobenzene	mg/L	<.100
Pentachlorophenol	mg/L	<.100
Pyridine	mg/L	<.100
2,4,5-Trichlorophenol	mg/L	<.100
2,4,6-Trichlorophenol	mg/L	<.100

DATA SUMMARY REPORT

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	**CF-002A**
ASC Sample Number:	JP9050
Sample Date:	960604
Facility Code:	017257A

Parameters	Units	
MV50 ZHE Leachate Volatiles		
Benzene	mg/L	<.125
2-Butanone	mg/L	<.125
Carbon tetrachloride	mg/L	<.125
Chlorobenzene	mg/L	<.125
Chloroform	mg/L	<.125
1,4-Dichlorobenzene	mg/L	<.125
1,2-Dichloroethane	mg/L	<.125
1,1-Dichloroethene	mg/L	<.125
Tetrachloroethene	mg/L	<.125
Trichloroethene	mg/L	<.125
Vinyl chloride	mg/L	<.125

O.H. Materials Remediation Services Corp.

CHAIN-OF-CUSTODY RECORD

LAB COPY
Form 0019
Field Technical Services
Rev. 08/89

LP 42685 174046

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME	PROJECT LOCATION
Plattsburgh AFB	Plattsburgh, NY

PROJ. NO.	PROJECT CONTACT	PROJECT TELEPHONE NO.
17257	Greg Guimond	(518) 562-3923

CLIENT'S REPRESENTATIVE	PROJECT MANAGER/SUPERVISOR
Dave Farnsworth / AFCEE	Ken Kukkonen

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS) Full TCLP	REMARKS
1	CF-002A	6/5/96	0840	X		Clean fill from Ornsby Sand Mine	1x1L	X	
2									
3									
4									
5									
6									
7									
8									
9									
10									

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1	G. Guimond #7379	FedEx Airbill # 136205643O	6/4/96	1600
2					
3					
4					

REMARKS

- 3 day TAT
- Preserved at 4°C
- Temp Blank included

SAMPLER'S SIGNATURE

Gregory Guimond

Soil Sample Collection Log

Plattsburgh AFB - Project # 17257/17499

Date: 6/4/96 Site: Ormsby Sand Mine, Peru, NY

Weather: Clear, 75'F Samplers: GG, JD

Sample ID	Time	PID Screen	Comp/ Grab	Sample Depth (ft)	Coordinates Ref. Pt.	Coordinates Ref. Pt.	Sample Description	# of Bottles
CF-002A	0840		C	—			Gold Sand	1x1L

Map Attached: (Yes) No

-Reference Points: Yes (No)

-Head Space Readings: Yes (No)

Sample Type: Screening Confirmation Disposal (Characterization)

Requested Analysis: VOCs SVOCs Other: Full TCLP

Split sample Collected: Yes (No)

Laboratory Destination: OHMAD COC # 174046 Airbill # 136205643O

Duplicate Collected: Yes (No) Rinsate Collected: Yes (No)

On-Site Laboratory Chain of Custody / Request for Analysis

Requested Analysis: VOCs SVOCs Cooler Temperature: _____

Relinquished by (dd/tt): [signature] 6/4/96 Received by (dd/tt): _____

OHM Remediation Services Corp.

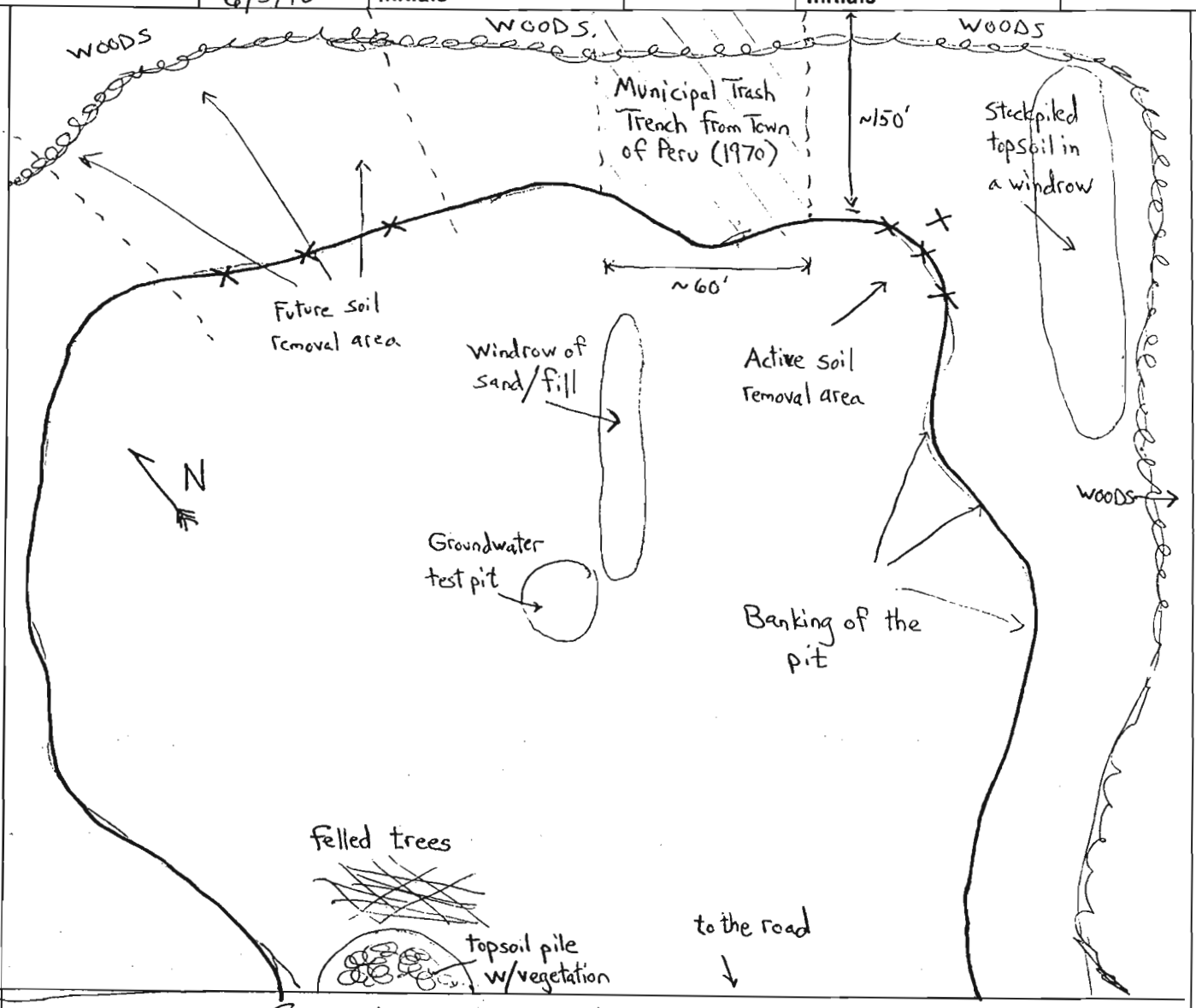
COMPUTATION SHEET

Form No. 0048
Midwest Tech. Servs.
Rev. 08/89

Page _____ of _____

Proj. No.	Client	Location	Subject
17257	AFCEE	Ornsby Sand Mine	Clean Fill Testing

Preparer's Initials	Date	Reviewer's Initials	Date	Approver's Initials	Date
GG	6/3/96				



Comments: Not to scale

edge of woods

—— edge of the banking around the pit

A 7 point composite was collected from the 2 areas where backfill will be removed. One discrete sample location was taken from the surface, the others were collected from ~5' up the banking of the pit.

X - discrete sample location

Sampling & Analysis Site Report
On-Site Laboratory
Plattsburgh AFB - Project #17499

Site: Ormsby Sand Mine, Peru, NY

Date: 12/05/95

Sample Collection:

-A composite sample (CF-001) was collected from the Ormsby Sand Mine in Peru, NY on 11/29/96. The sand from the pit was used for backfill material at many of the sites throughout the base. The sample was collected to confirm that the material is free of contaminants.

-A map of the pit and the sample locations is included with this report.

On-Site Analysis:

-No samples were analyzed on-site.

Off-Site Analysis:

-The sample CF-001 was shipped to OHM Analytical Division (OHMAD) in Findlay, OH for a full TCLP analysis. The analysis results are included with this report.

-The sample results were compared to the Hazardous Waste Regulatory Levels for Toxicity Characteristic. None of the constituents of concern, if detected, exceeded the regulatory levels. A copy of the regulatory levels is included with this report.

DATA SUMMARY REPORT

DATE: 12/05/95

PAGE: 1

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:		CF-001
ASC Sample Number:		JP0872
Sample Date:		951129
Facility Code:		017499A
Parameters	Units	

Conventional Data (CV10)

Solids, Total	%	93.1

Sample Point ID:		CF-001
ASC Sample Number:		JP0872
Sample Date:		951129
Facility Code:		017499A
Parameters	Units	

RCRA TCLP Leachate Herbicide Analysis, GC, (GS52)

2,4-D	mg/L	<.250
2,4,5-TP (Silvex)	mg/L	<.250

Sample Point ID:		CF-001
ASC Sample Number:		JP0872
Sample Date:		951129
Facility Code:		017499A
Parameters	Units	

RCRA TCLP Leachate Pesticide Analysis, GC, (GS54)

Endrin	mg/L	<.002
Heptachlor	mg/L	<.002
Heptachlor epoxide	mg/L	<.002
Methoxychlor	mg/L	<.002
Gamma-BHC (Lindane)	mg/L	<.002
alpha-Chlordane	mg/L	<.002
gamma-Chlordane	mg/L	<.002

DATA SUMMARY REPORT

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	CF-001
ASC Sample Number:	JP0872
Sample Date:	951129
Facility Code:	017499A

Parameters	Units	
RCRA TCLP Leachate Metals Analysis, (ME52)		
Arsenic	mg/L	<.100
Barium	mg/L	.411
Cadmium	mg/L	<.005
Chromium	mg/L	<.020
Lead	mg/L	<.100
Mercury	mg/L	<.0001
Selenium	mg/L	<.100
Silver	mg/L	<.020

Sample Point ID:	CF-001
ASC Sample Number:	JP0872
Sample Date:	951129
Facility Code:	017499A

Parameters	Units	
RCRA TCLP Leachate Base/Neutral/Acid Analysis, MS, (MS52)		
2,4-Dinitrotoluene	mg/L	<.100
Hexachlorobenzene	mg/L	<.100
Hexachloroethane	mg/L	<.100
Hexachlorobutadiene	mg/L	<.100
2-Methylphenol	mg/L	<.100
4-Methylphenol	mg/L	<.100
Nitrobenzene	mg/L	<.100
Pentachlorophenol	mg/L	<.100
Pyridine	mg/L	<.100
2,4,5-Trichlorophenol	mg/L	<.100
2,4,6-Trichlorophenol	mg/L	<.100

DATA SUMMARY REPORT

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: CF-001
ASC Sample Number: JP0872
Sample Date: 951129
Facility Code: 017499A

Parameters	Units	
RCRA TCLP Leachate (ZHE) Volatile Analysis, MS, (MV50)		
Benzene	mg/L	<.125
Carbon tetrachloride	mg/L	<.125
Chlorobenzene	mg/L	<.125
Chloroform	mg/L	<.125
1,4-Dichlorobenzene	mg/L	<.125
1,2-Dichloroethane	mg/L	<.125
1,1-Dichloroethylene	mg/L	<.125
Methyl ethyl ketone	mg/L	<.125
Tetrachloroethylene	mg/L	<.125
Trichloroethylene	mg/L	<.125
Vinyl chloride	mg/L	<.125

OHM Remediation Services Corp.

CHAIN-OF-CUSTODY RECORD

LAB COPY

Form 0019
Field Technical Services
Rev. 08/89

161982

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME	PROJECT LOCATION
Plattsburgh A.F.B.	Plattsburgh, NY

PROJ. NO.	PROJECT CONTACT	PROJECT TELEPHONE NO.
17499	Matt Jones	(518) 562-2730 Room 105

CLIENT'S REPRESENTATIVE	PROJECT MANAGER/SUPERVISOR
AFCOE	Mike Quinlan

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS) TCLP-FULL	REMARKS
1	CF-001	11-29-95	1530	X		Clean Fill from Peru, NY	1x1l 2x40ml	X	
2									
3									
4									
5									
6									
7									
8									
9									
10									

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1	Matthew Jones	Fed Ex Airbill # 758887 3246	11-29-95	1530
2					
3					
4					

REMARKS
- 3 day TAT
- Temp Blank included

SAMPLER'S SIGNATURE
Matthew H Jones

Soil Sample Collection Log
Plattsburgh AFB - Project # 17257/17499

Date: 11/29/95 Site Name: Clean Fill - Peru NY

Weather: Clear / Cold Samplers: MJ

Sample ID Number	Time	Comp/ Grab	Sample Depth (ft)	Coordinates Ref. Pt.	Coordinates Ref. Pt.	Sample Description	# of Bottles
CF-001	1530	C	0-6"	N/A	N/A	Clean Fill from Stockyard in Peru, NY	1x1L 2x40ml

Ref. Pt.___: N/A

Ref. Pt.___: N/A

Map Attached: (Yes) No

Sample Type: Screening Confirmation Disposal/Characterization

Split Sample Collected: Yes (No)

Laboratory Destination: ASC COC # 161982 Airbill # Fed Ex# 758887324 6

Duplicate Taken: Yes (No) Rinsate Taken: Yes (No)

On-site Laboratory Chain of Custody/Request for Analysis

Requested Testing: VOCs SVOCs Other Full TCLP

Relinquished by(dd/tt): Matthew Jones 1540 #2 11/29/95 Received by (dd/tt):___

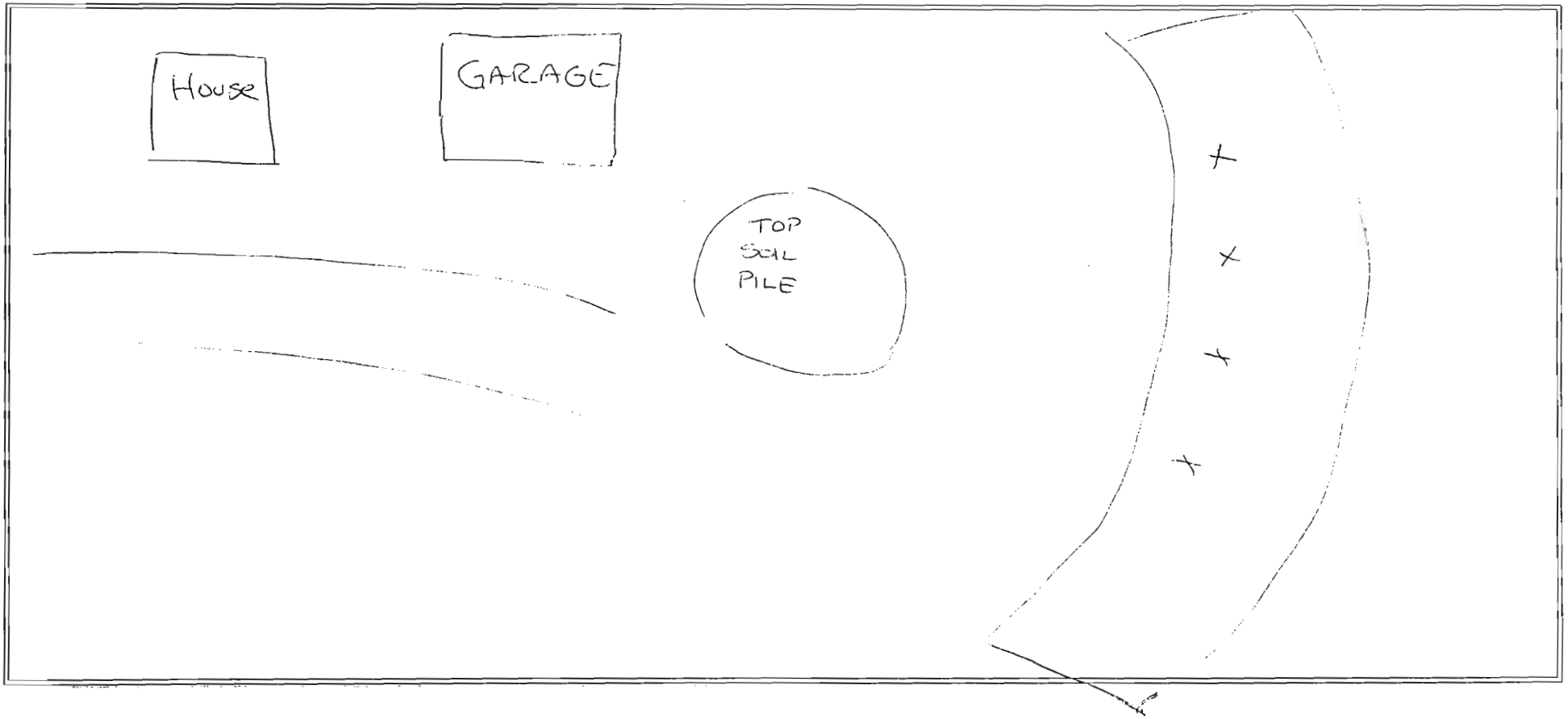
Relinquished by(dd/tt):___ Received by (dd/tt):___

Sample Location Map
Plattsburgh AFB - Project #17257/17499

Pg. 2 of 2

Date: 11/29/95

Site Name: Clean Fill Stockyard - Rouses Point NY



Comments/Observations: X - indicates unique sampling location for composite

-Samples taken 1.5-2' into soil pile

No visable stains or odors at soil pile

Prepared by: M. James

CTM Analytical Laboratories, Ltd.

15 Century Hill Drive
P.O. Box 727
Latham, NY 12110
518-786-7100
FAX 518-786-7139

GC/MS
GC
ICAP
Sampling Services

OHM REMEDIATION SERVICES
P.O. BOX 2202
PLATTSBURGH NY 12901

Attention: MR. JACOB DUNNELL

CTM PROJECT #: 96.06198

CTM Task #: 960524C

Purchase Order Number: 102-33-18
Date Sampled: 05/23/96 Time: 09:50
Sampled By : GUIMOND
Sample Id: TS-1
Location : PLATTSBURGH, NEW YORK

CTM Sample No: 960524C 05
Date Received: 05/24/96
Collection Method: COMPOSITE
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referenc
TCLP EXTRACTION	SW-846 METHOD 1311	COMPLETED			D-20:71 5/28/96
ACID DIGESTION ON TCLP EXTRACT	SW-846 METHOD 3010	COMPLETED			D-20:73 5/29/96
MERCURY PREPARATION - TCLP	SW-846 METHOD 7471	COMPLETED			D-20:75 5/30/96
ARSENIC, BY TCLP	SW-846 METHOD 6010	0.011	0.010	MG/L	F-4:57 5/30/96
BARIUM, BY TCLP	SW-846 METHOD 6010	1.4	0.50	MG/L	F-4:57 5/30/96
CADMIUM, BY TCLP	SW-846 METHOD 6010	ND	0.005	MG/L	F-4:57 5/30/96
CHROMIUM, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-4:57 5/30/96
LEAD, BY TCLP	SW-846 METHOD 6010	0.010	0.010	MG/L	F-4:57 5/30/96
MERCURY, BY TCLP	SW-846 METHOD 7471	ND	0.0002	MG/L	E-4:65 5/31/96
SELENIUM, BY TCLP	SW-846 METHOD 6010	ND	0.050	MG/L	F-4:57 5/30/96
SILVER, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-4:59 5/31/96

REMARKS:

END OF REPORT

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

Soil Sample Collection Log

Plattsburgh AFB - Project # 17257/17499

Date: 05/23/96 Site: Gonya Farm

Weather: clear, 45 Samplers: J. Dunnell, M. Quinlan

Sample ID	Time	PID Screen	Comp/ Grab	Sample Depth (ft)	Coordinates Ref. Pt.	Coordinates Ref. Pt.	Sample Description	# of Bottles
TS-1	09:50	N/A	C	6-12"			Organic Sandy Topsoil	1 x 1 Liter

Ref. Pt.____ : N/A

Ref. Pt.____ : N/A

Map Attached: (Yes) No

Sample Type: Screening Confirmation Disposal/Characterization other : TCLP Metals

Split sample Collected: Yes (No)

Laboratory Destination: CTM COC # 172480 Airbill # 1362056850

Duplicate Collected: Yes (No) Rinsate Collected: Yes (No)

On-Site Laboratory Chain of Custody / Request for Analysis

Requested Analysis: VOCs SVOCs Other

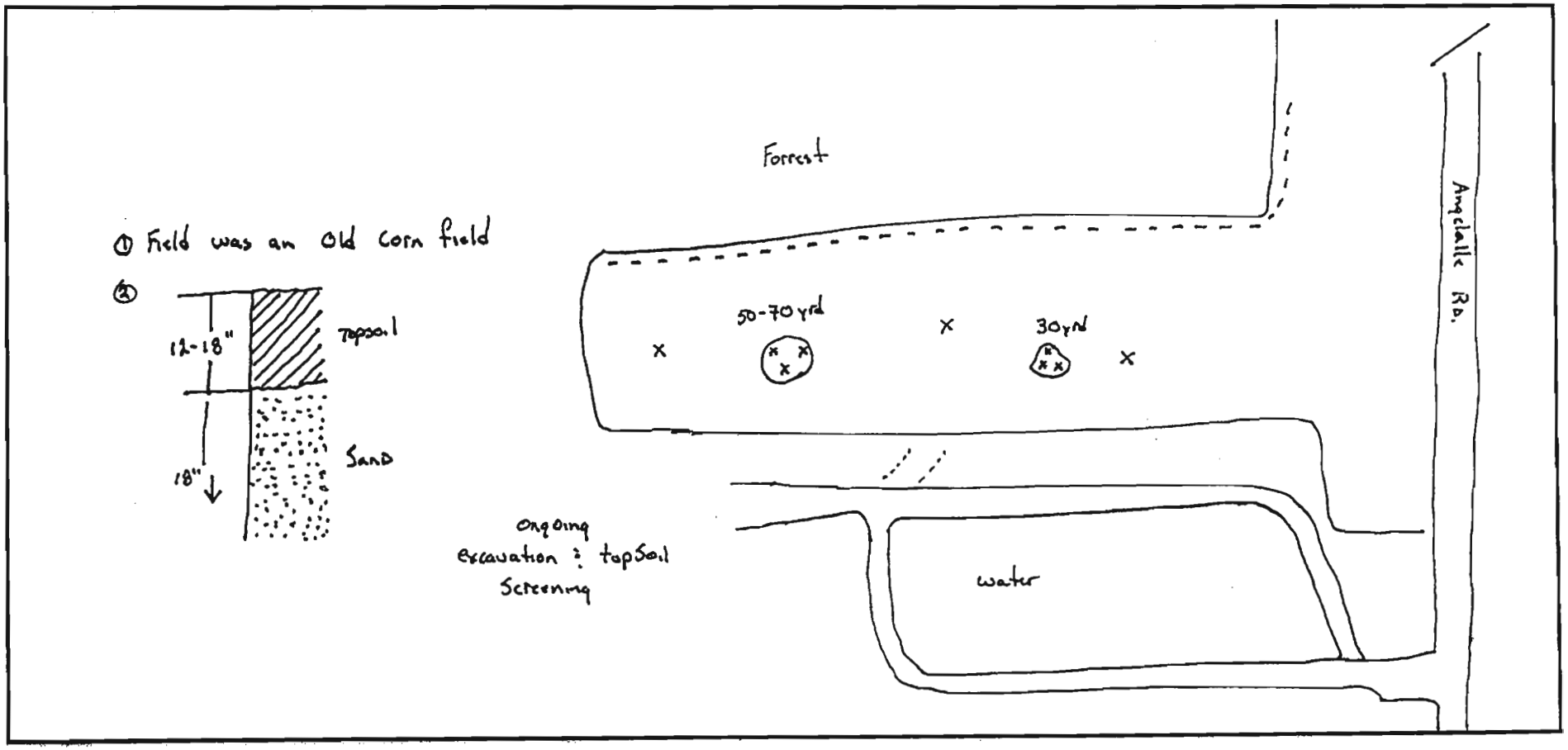
Relinquished by (dd/tt):____ Received by (dd/tt):____

Relinquished by (dd/tt):____ Received by (dd/tt):____

Sample Location Map

Plattsburgh Air Force Base - Project Numbers 17257 and 17499

Date: 05/23/96 Site Name: Gonya Farm Page 2 of 2



Comments/Observations:

- Not to Scale
- 9 point composite, x denotes sample locations
- - - Drainage Swath surrounds entire field

Prepared by: J. Dunnell 7967

Remediation Services Corp.

9600524C

CHAIN-OF-CUSTODY RECORD

LP # 42545

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Form 0019
Field Technical Services
Rev. 08/89

172480

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PROJECT NAME	PROJECT LOCATION
P.A.F.B.	Plattsburgh, NY

PROJ. NO.	PROJECT CONTACT	PROJECT TELEPHONE NO.
17499	Jacob Donnell II	518 562 3923

CLIENT'S REPRESENTATIVE	PROJECT MANAGER/SUPERVISOR
Dave Farnsworth	Ken Kukkonen

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS) TCLP Metals	REMARKS
1	TS-1	05/23/96	0950	X		Sandy Top Soil	1x1	X	
2									
3									
4									
5									
6									
7									
8									
9									
10									

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1	[signature]	Fed Ex # 136205685O	05/23/96	1700
2			[signature] DeCasperis	5/24/96	915
3					
4					

REMARKS

- 3 day T.A.T
- Temp blank Included
- Preserved at 4°C

[signature]

SAMPLER'S SIGNATURE

APPENDIX E
QUALITY ASSURANCE/QUALITY CONTROL REPORTS

APPENDIX E - SUBINDEX

E1 - CHEMICAL QUALITY ASSURANCE REPORT

E2 - SURROGATE EXCEPTION REPORT

E3 - "R" FLAGGED DATA

APPENDIX E1
CHEMICAL QUALITY ASSURANCE REPORT

FOR: Ken Kukkonen
Project Manager
Plattsburgh AFB

FROM: Andrew Schkuta
Project Chemist

DATE: February 26, 1997

SUBJECT: Plattsburgh AFB-UST and OWS Exploratory Investigation Sampling and Analysis; Chemical Quality Assurance Report (CQAR)

INTRODUCTION

No AFCEE guidance documentation was available that listed comparison guidelines for reviewing and assessing the results of split sample analysis. This CQAR was created using the format and limits used by the United States Army Corps of Engineers (USACE) in comparing split sample results. The attached appendix B "Key to Comments on Data Comparison Tables" is copied directly from a USACE CQAR, and defines limits used to assess data and assign a QA/QC key to each data comparison point.

1. References:

   a. OHM Project 17499

   b. USACE guidance for comparison of primary and QA sample results

2. Thirty five (35) QA samples were analyzed, resulting in a total of 571 target analyte determinations. Results from the analysis of QA samples were compared with results from the analysis of the corresponding primary samples. Results of the comparison were as follows:

   a. The primary laboratory was OHM's on-site laboratory at Plattsburgh AFB.

   b. Results from the primary and QA samples agreed overall in 563 (99%) of the comparisons.

   c. Results from the primary and QA samples agreed quantitatively in 116 out of 124 (94%) of the comparisons.

   d. There were 3 (0.5%) major discrepencies between results from the primary and QA laboratory samples.

e. There were 5 (0.9%) minor discrepencies between results from the primary and QA laboratory samples.

3. QA analyses were performed at E3I, Somerville, MA, ESS, Providence, RI. and OHMAD, Findlay, OH.

Enclosure

QA Findings

1. Data Comparison of Volatiles

There were 136 determinations involving 23 samples. In 20 of these determinations VOCs were detected by the on-site lab or QA lab. There was an overall agreement of 129 (95%) and a quantitative agreement of 13 (65%). There were a total of seven discrepencies (three major and four minor) involving the results of two samples. Each discrepency is discussed below:

A. Major Discrepencies

Sample: EX2542-1
Parameter: EthylBenzene
Result: 100.2 B
QA Result: ND (detection limit=1)

Examination of the chromatogram showed a complex sample with a large number of constituents creating a response on the detector. Method 8021 performed by the on-site lab does not require second column or GC/MS confirmation. High surrogate recovery was attributed to matrix interference. This discrepency can most likely be attributed due to a false positive result caused by matrix interference reported by the primary lab.

NOTE: The data is flagged as 'B' indicating that the parameter was found in the method blank. The method blank has a concentration of 0.8, or two orders of magnitude below that reported in the sample. Therefore possible blank contamination is ruled out as a contributing factor towards this discrepency.

Sample: EX2542-1
Parameter: o-Xylene
Result: 64.1
QA Result: ND (detection limit=1)

See discussion for first major discrepency.

Sample: EXMFH871A-2
Parameter: m,p-Xylene
Result: 14.4
QA Result: ND (detection limit=1)

Both the chromatograms (from the primary and QA lab analyses) showed low levels of late eluting petroleum product. This unnresolved complex does not interfere with identification of the target analytes, but is indicative that the samples are of a similar nature (e.g. discrepency not attributable to a sample mixup). Review of method blank data for the primary lab indicates no cross contamination problem. Therefore, no major

QA defects are noted. The discrepency may be due to sample inhomogeneity, but no definite cause could be determined or conjectured.

B. Minor Discrepencies:

Sample: EX2542-1
Parameter: Toluene
Result: 6.1 B
QA Result: ND (detection limit=1)

See the discussion for the major discrepency for this sample. In addition, the method blank had a concentration of 1.5, which is within a factor of five of the reported result. Therefore, possible blank contamination may have contributed to this discrepency.

Sample: EX2542-1
Parameter: m,p-Xylene
Result: 9.0
QA Result: ND (detection limit=1)

See the discussion for the major discrepency for this sample.

2. Data Comparison for Semivolatile Results.

There were 435 determinations involving 21 samples. In 104 of these determinations semivolatiles were detected by the on-site lab or QA lab. There was an overall agreement of 434 (>99%) and a quantitative agreement of 103 (99%). There were a total of one discrepency (zero major and one minor) involving the results of one sample. Each discrepency is discussed below:

Sample: EX640-W
Parameter: Dibenz(a,h)anthracene
Result: 705
QA Result: 110 J (PQL=350)

Review of the data for this sample showed good quantitative agreement for five other detected parameters, indicating both the primary and QA lab's analytical systems were in control. The QA Labs result is flagged as estimated because it is below the PQL. If this estimated concentration was increased by 28%, the criteria for a data discrepency would not be met. Therefore, this discrepency could be considered an artifact of ranking system.

APPENDIX B
KEY TO COMMENTS ON DATA COMPARISON TABLES

Key to Comparison Comments:

0 - Data Agrees: both $N<MDL$; or both $MDL<N<PQL$; or $N_1<MDL_1$ and $MDL_2<N_2<PQL$ and $N_2<MDL_1$; or [both $N>PQL$ or $(MDL<N_1<PQL$ and $N_2>PQL)$] and:

Metals	<2x difference for waters, TCLP extracts <10x difference for solids, oils
Semi-Volatiles, Volatiles, TPH, BTEX	<5x difference for all matrices
Pesticides, PCBs, Herbicides	<5x difference for liquids <10x difference for solids

1 - Minor Contamination by Common Laboratory Contaminant.

2 - Not Tested by Both Laboratories.

3 - Minor Data Discrepancy, Disagreement Not Serious: $N_1<MDL$ and $MDL<N_2<PQL$; or $N_1<MDL$ and $N_2>PQL$ and difference between MDL and N_2 is <upper limit for minor data discrepancy (below); or [both $N>PQL$ or $(MDL<N_1<PQL$ and $N_2>PQL)$] and:

Metals	2x<difference<5x for waters, TCLP extracts 10x<difference<20x for solids, oils
Semi-Volatiles, Volatiles, TPH, BTEX	5x<difference<10x for all matrices
Pesticides, PCBs, Herbicides	5x<difference<10x for liquids 10x<difference<20x for solids

4 - Major Data Discrepancy, Disagreement Serious: $N_1<MDL$ and $N_2>PQL$ and difference between MDL and N_2 conforms to conditions below; or [both $N>PQL$ or $(MDL<N_1<PQL$ and $N_2>PQL)$] and:

Metals	>5x difference for waters, TCLP extracts >20x difference for solids, oils
Semi-Volatiles, Volatiles, TPH, BTEX	>10x difference for all matrices
Pesticides, PCBs, Herbicides	>10x difference for liquids >20x difference for solids

MDL = Method Detection Limit
PQL = Practical Quantitation Limit
N = Analytical Result

Key to Data Qualifiers:

B - Present in Method Blank
J - Estimated Value; Above MDL, But Below PQL
NR - Not Reported

APPENDIX B
KEY TO COMMENTS ON DATA COMPARISON TABLES

0 - Data agrees if any one of the following apply:

- both values are less than respective detection limit (N<MDL)
- N_1<MDL_1 and N_2>MDL_2 but <MDL_1
- both values are above respective detection limit (N>MDL) and difference between two values satisfies conditions below

Metals	<2x difference for waters, TCLP extracts <3x difference for airs <10x difference for solids and oils
Semivolatiles Volatiles TPH, BTEX	<5x difference for all matrices
Pesticides Herbicides PCB's	<5x difference for liquids <10x difference for solids
Alkalinity Hardness, Ammonia (water quality, etc.)	<2x difference for all matrices

1 - Minor contamination by laboratory contaminant

2 - Not tested by both laboratories

3 - Minor data discrepancy, disagreement not serious, if any one of the following apply:

- N_1<MDL_1 and N_2>MDL_2 and the difference between values N_2 and MDL_1 does not exceed the upper limit (described below) defining a minor data discrepancy
- both values are above respective detection limit (N>MDL) and conditions described below apply to the difference between the two values

Metals	2x<difference<5x for waters,TCLP extracts 10x<difference<20x for solids, oils 3x<difference<5x for airs
Semivolatiles, VOA, TPH, BTEX	5x<difference<10x for all matrices
Pesticide/PCB Herbicides	5x<difference<10x for liquids 10x<difference<20x for solids
Alkalinity Hardness,Ammonia (water quality, etc.)	2x<difference<5x for all matrices

4 - Major data discrepancy, disagreement serious, if any one of the following apply:

- $N_1 < MDL_1$ and $N_2 > MDL_2$ and the difference between values N_2 and MDL_1 exceeds the limit (described below) defining a major data discrepancy
- both values are above respective detection limit (N>MDL) and conditions described below apply to the difference between the two values

Metals	>5x difference for waters, TCLP extracts, airs >20x difference for solids, oils
Semivolatiles, VOA, TPH, BTEX	>10x difference for all matrices
Pesticide/PCB Herbicides	>10x difference for liquids >20x difference for solids
Alkalinity Hardness, Ammonia (water quality, etc.)	>5x difference for all matrices

MDL = Method Detection Limit
N = Analytical result

Key to data qualifiers:

B - detected in method blank
J - estimated value, above MDL but below practical quantitation limit
NR - Not reported

Split Sample Results

Plattsburgh AFB

SampleID : EX102-E
Site ID : Bldg 102
Project No. : 17499

Matrix : Soil/Solid

Date : 12/1/95 Time : 1513

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab :

Date Extracted : 12/11/95 Date Extracted :

Date Analyzed : 12/11/95 Date Analyzed :

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : E3I

Date Extracted : 12/7/95 Date Extracted : 12/5/95

Date Analyzed : 12/8/95 Date Analyzed : 12/6/95

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		333	ND		370	NA	0
Acenaphthene	ng/g	ND		333	110		370	NA	0
Fluorene	ng/g	ND		333	320		370	NA	0
Phenanthrene	ng/g	573		333	2100		370	114.25	0
Anthracene	ng/g	ND		333	650		370	NA	0
Fluoranthene	ng/g	4040		333	2500		370	-47.09	0
Pyrene	ng/g	2937		333	1900		370	-42.88	0
Benzo(a)anthracene	ng/g	1433		666	1600		370	11.01	0
Chrysene	ng/g	1476		666	1200		370	-20.63	0
Benzo(b)fluoranthene	ng/g	ND		666	1200		370	NA	0
Benzo(k)fluoranthene	ng/g	ND		666	760		370	NA	0
Benzo(a)pyrene	ng/g	ND		666	1100		370	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	ND		666	500		370	NA	0
Dibenz(a,h)anthracene	ng/g	ND		666	280		370	NA	0
Benzo(g,h,i)perylene	ng/g	ND		666	380		370	NA	0
Total PAHs	ng/g	10459			14600			NA	NA

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EX1807-1
Site ID : Bldg 1807
Project No. : 17499

Matrix : Soil/Solid

Date : 5/28/96 Time : 1135

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 6/3/96 Date Extracted : 6/3/96

Date Analyzed : 6/3/96 Date Analyzed : 6/3/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ng/g	NA		40	NA		1	NA	0
Benzene	ng/g	ND		5	ND		1	NA	0
Trichloroethylene	ng/g	ND		5	ND		1	NA	0
Toluene	ng/g	ND		5	ND		1	NA	0
Ethylbenzene	ng/g	ND		5	ND		1	NA	0
m,p-Xylene	ng/g	ND		5	ND		1	NA	0
o-Xylene	ng/g	ND		5	ND		1	NA	0

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 5/31/96 Date Extracted : 6/3/96

Date Analyzed : 6/4/96 Date Analyzed : 6/5/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		333	ND		351	NA	0
Acenaphthene	ng/g	ND		333	ND		351	NA	0
Fluorene	ng/g	ND		333	ND		351	NA	0
Phenanthrene	ng/g	ND		333	ND		351	NA	0
Anthracene	ng/g	ND		333	ND		351	NA	0
Fluoranthene	ng/g	ND		333	ND		351	NA	0
Pyrene	ng/g	ND		333	ND		351	NA	0
Benzo(a)anthracene	ng/g	ND		666	ND		351	NA	0
Chrysene	ng/g	ND		666	ND		351	NA	0
Benzo(b)fluoranthene	ng/g	ND		666	ND		351	NA	0
Benzo(k)fluoranthene	ng/g	ND		666	ND		351	NA	0
Benzo(a)pyrene	ng/g	ND		666	ND		351	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	ND		666	ND		351	NA	0
Dibenz(a,h)anthracene	ng/g	ND		666	ND		351	NA	0
Benzo(g,h,i)perylene	ng/g	ND		666	ND		351	NA	0
Total PAHs	ng/g	ND			ND			NA	0

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EX1809B-LQ
Site ID : Bldg 1809 B
Project No. : 17499

Matrix : Aqueous

Date : 6/25/96 Time : 0945

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 6/26/96 Date Extracted : 7/4/96

Date Analyzed : 6/26/96 Date Analyzed : 7/4/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ug/l	NA		40	NA		1	NA	0
Benzene	ug/l	ND		5	ND		1	NA	0
Trichloroethylene	ug/l	ND		5	ND		1	NA	0
Toluene	ug/l	ND		5	ND		1	NA	0
Ethylbenzene	ug/l	ND		5	ND		1	NA	0
m,p-Xylene	ug/l	ND		5	ND		1	NA	0
o-Xylene	ug/l	ND		5	ND		1	NA	0

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 6/28/96 Date Extracted : 7/1/96

Date Analyzed : 7/2/96 Date Analyzed : 7/2/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ug/l	ND		5	ND		10	NA	0
Acenaphthene	ug/l	ND		5	ND		10	NA	0
Fluorene	ug/l	ND		5	ND		10	NA	0
Phenanthrene	ug/l	ND		5	ND		10	NA	0
Anthracene	ug/l	ND		5	ND		10	NA	0
Fluoranthene	ug/l	ND		5	ND		10	NA	0
Pyrene	ug/l	ND		5	ND		10	NA	0
Benzo(a)anthracene	ug/l	ND		5	ND		10	NA	0
Chrysene	ug/l	ND		5	ND		10	NA	0
Benzo(b)fluoranthene	ug/l	ND		5	ND		10	NA	0
Benzo(k)fluoranthene	ug/l	ND		5	ND		10	NA	0
Benzo(a)pyrene	ug/l	ND		5	ND		10	NA	0
Indeno(1,2,3-cd)pyrene	ug/l	ND		5	ND		10	NA	0
Dibenz(a,h)anthracene	ug/l	ND		5	ND		10	NA	0
Benzo(g,h,i)perylene	ug/l	ND		5	ND		10	NA	0
Total PAHs	ug/l	ND			ND				

ug/l = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EX216-LQ
Site ID : MFH216
Project No. : 17499

Matrix : Aqueous

Date : 12/6/95 Time : 0850

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab :

Date Extracted : 12/10/95 Date Extracted :

Date Analyzed : 12/10/95 Date Analyzed :

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab :

Date Extracted : 12/9/95 Date Extracted :

Date Analyzed : 12/11/95 Date Analyzed :

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ug/l	ND		5	ND		11	NA	0
Acenaphthene	ug/l	ND		5	ND		11	NA	0
Fluorene	ug/l	ND		5	ND		11	NA	0
Phenanthrene	ug/l	ND		5	ND		11	NA	0
Anthracene	ug/l	ND		5	ND		11	NA	0
Fluoranthene	ug/l	ND		5	ND		11	NA	0
Pyrene	ug/l	ND		5	ND		11	NA	0
Benzo(a)anthracene	ug/l	ND		5	ND		11	NA	0
Chrysene	ug/l	ND		5	ND		11	NA	0
Benzo(b)fluoranthene	ug/l	ND		5	ND		11	NA	0
Benzo(k)fluoranthene	ug/l	ND		5	ND		11	NA	0
Benzo(a)pyrene	ug/l	ND		5	ND		11	NA	0
Indeno(1,2,3-cd)pyrene	ug/l	ND		5	ND		11	NA	0
Dibenz(a,h)anthracene	ug/l	ND		5	ND		11	NA	0
Benzo(g,h,i)perylene	ug/l	ND		5	ND		11	NA	0
Total PAHs	ug/l	ND			ND			NA	0

ug/l = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EX220-LQ
Site ID : MFH220
Project No. : 17499

Matrix : Aqueous

Date : 12/5/95 Time : 1345

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab :

Date Extracted : 12/9/95 Date Extracted :

Date Analyzed : 12/9/95 Date Analyzed :

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab :

Date Extracted : 12/9/95 Date Extracted :

Date Analyzed : 12/9/95 Date Analyzed :

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ug/l	ND		5	ND		10	NA	0
Acenaphthene	ug/l	ND		5	ND		10	NA	0
Fluorene	ug/l	ND		5	ND		10	NA	0
Phenanthrene	ug/l	ND		5	ND		10	NA	0
Anthracene	ug/l	ND		5	ND		10	NA	0
Fluoranthene	ug/l	ND		5	ND		10	NA	0
Pyrene	ug/l	ND		5	ND		10	NA	0
Benzo(a)anthracene	ug/l	ND		5	ND		10	NA	0
Chrysene	ug/l	ND		5	ND		10	NA	0
Benzo(b)fluoranthene	ug/l	ND		5	ND		10	NA	0
Benzo(k)fluoranthene	ug/l	ND		5	ND		10	NA	0
Benzo(a)pyrene	ug/l	ND		5	ND		10	NA	0
Indeno(1,2,3-cd)pyrene	ug/l	ND		5	ND		10	NA	0
Dibenz(a,h)anthracene	ug/l	ND		5	ND		10	NA	0
Benzo(g,h,i)perylene	ug/l	ND		5	ND		10	NA	0
Total PAHs	ug/l	ND			ND			NA	0

ug/l = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EX221C
Site ID : MFH221
Project No. : 17499

Matrix : Soil/Solid

Date : 12/14/95 Time : 0945

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab :

Date Extracted : 12/15/95 Date Extracted :

Date Analyzed : 12/15/95 Date Analyzed :

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : E3I

Date Extracted : 12/18/95 Date Extracted : 12/15/95

Date Analyzed : 12/19/95 Date Analyzed : 12/18/95

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		333	ND		430	NA	0
Acenaphthene	ng/g	ND		333	ND		430	NA	0
Fluorene	ng/g	ND		333	ND		430	NA	0
Phenanthrene	ng/g	ND		333	ND		430	NA	0
Anthracene	ng/g	ND		333	ND		430	NA	0
Fluoranthene	ng/g	ND		333	51	J	51	NA	0
Pyrene	ng/g	ND		333	37	J	37	NA	0
Benzo(a)anthracene	ng/g	ND		666	ND		430	NA	0
Chrysene	ng/g	ND		666	ND		430	NA	0
Benzo(b)fluoranthene	ng/g	ND		666	ND		430	NA	0
Benzo(k)fluoranthene	ng/g	ND		666	ND		430	NA	0
Benzo(a)pyrene	ng/g	ND		666	ND		430	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	ND		666	ND		430	NA	0
Dibenz(a,h)anthracene	ng/g	ND		666	ND		430	NA	0
Benzo(g,h,i)perylene	ng/g	ND		666	ND		430	NA	0
Total PAHs	ng/g	ND			88				

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EX2542-1
Site ID : Bldg 2542
Project No. : 17499

Matrix : Soil/Solid

Date : 5/17/96 Time : 1320

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 5/22/96 Date Extracted : 5/29/96

Date Analyzed : 5/22/96 Date Analyzed : 5/29/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ng/g	ND		40	ND		1	NA	0
Benzene	ng/g	1.5	J	5	ND		1	NA	0
Trichloroethylene	ng/g	4.7	JB	5	ND		1	NA	0
Toluene	ng/g	6.1	B	5	ND		1	NA	3
Ethylbenzene	ng/g	100.2	B	5	ND		1	NA	4
m,p-Xylene	ng/g	9.0		5	ND		1	NA	3
o-Xylene	ng/g	64.1		5	ND		1	NA	4

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 5/17/96 Date Extracted : 5/24/96

Date Analyzed : 5/22/96 Date Analyzed : 5/29/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		333	ND		362	NA	0
Acenaphthene	ng/g	ND		333	ND		362	NA	0
Fluorene	ng/g	ND		333	ND		362	NA	0
Phenanthrene	ng/g	ND		333	ND		362	NA	0
Anthracene	ng/g	ND		333	ND		362	NA	0
Fluoranthene	ng/g	ND		333	ND		362	NA	0
Pyrene	ng/g	ND		333	ND		362	NA	0
Benzo(a)anthracene	ng/g	ND		666	ND		362	NA	0
Chrysene	ng/g	ND		666	ND		362	NA	0
Benzo(b)fluoranthene	ng/g	ND		666	ND		362	NA	0
Benzo(k)fluoranthene	ng/g	ND		666	ND		362	NA	0
Benzo(a)pyrene	ng/g	ND		666	ND		362	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	ND		666	ND		362	NA	0
Dibenz(a,h)anthracene	ng/g	ND		666	ND		362	NA	0
Benzo(g,h,i)perylene	ng/g	ND		666	ND		362	NA	0
Total PAHs	ng/g	ND			ND			NA	0

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EX2640-1
Site ID : Bldg 2640
Project No. : 17499

Matrix : Soil/Solid

Date : 4/23/96 Time : 1010

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab :

Date Extracted : 4/25/96 Date Extracted :

Date Analyzed : 4/25/96 Date Analyzed :

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ng/g	NA		40	NA		1	NA	0
Benzene	ng/g	ND		5	ND		1	NA	0
Trichloroethylene	ng/g	ND		5	ND		1	NA	0
Toluene	ng/g	ND		5	ND		1	NA	0
Ethylbenzene	ng/g	ND		5	ND		1	NA	0
m,p-Xylene	ng/g	ND		5	ND		1	NA	0
o-Xylene	ng/g	ND		5	ND		1	NA	0

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab :

Date Extracted : 4/24/96 Date Extracted :

Date Analyzed : 4/30/96 Date Analyzed :

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		333	ND		367	NA	0
Acenaphthene	ng/g	ND		333	ND		367	NA	0
Fluorene	ng/g	ND		333	ND		367	NA	0
Phenanthrene	ng/g	ND		333	ND		367	NA	0
Anthracene	ng/g	ND		333	ND		367	NA	0
Fluoranthene	ng/g	ND		333	ND		367	NA	0
Pyrene	ng/g	ND		333	ND		367	NA	0
Benzo(a)anthracene	ng/g	ND		666	ND		367	NA	0
Chrysene	ng/g	ND		666	ND		367	NA	0
Benzo(b)fluoranthene	ng/g	ND		666	ND		367	NA	0
Benzo(k)fluoranthene	ng/g	ND		666	ND		367	NA	0
Benzo(a)pyrene	ng/g	ND		666	ND		367	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	ND		666	ND		367	NA	0
Dibenz(a,h)anthracene	ng/g	ND		666	ND		367	NA	0
Benzo(g,h,i)perylene	ng/g	ND		666	ND		367	NA	0
Total PAHs	ng/g	ND			ND			NA	0

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EX3583-NSW
Site ID : Bldg 3583
Project No. : 17499

Matrix : Soil/Solid

Date : 4/2/96 Time : 0810

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 4/3/96 Date Extracted : 4/9/96

Date Analyzed : 4/3/96 Date Analyzed : 4/9/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ng/g	NA		40	NA		1	NA	0
Benzene	ng/g	ND		5	ND		1	NA	0
Trichloroethylene	ng/g	ND		5	ND		1	NA	0
Toluene	ng/g	ND		5	ND		1	NA	0
Ethylbenzene	ng/g	ND		5	ND		1	NA	0
m,p-Xylene	ng/g	ND		5	ND		1	NA	0
o-Xylene	ng/g	ND		5	ND		1	NA	0

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 4/2/96 Date Extracted : 4/8/96

Date Analyzed : 4/2/96 Date Analyzed : 4/10/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		333	ND		375	NA	0
Acenaphthene	ng/g	ND		333	ND		375	NA	0
Fluorene	ng/g	ND		333	ND		375	NA	0
Phenanthrene	ng/g	ND		333	ND		375	NA	0
Anthracene	ng/g	ND		333	ND		375	NA	0
Fluoranthene	ng/g	ND		333	ND		375	NA	0
Pyrene	ng/g	ND		333	ND		375	NA	0
Benzo(a)anthracene	ng/g	ND		666	ND		375	NA	0
Chrysene	ng/g	ND		666	ND		375	NA	0
Benzo(b)fluoranthene	ng/g	ND		666	ND		375	NA	0
Benzo(k)fluoranthene	ng/g	ND		666	ND		375	NA	0
Benzo(a)pyrene	ng/g	ND		666	ND		375	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	ND		666	ND		375	NA	0
Dibenz(a,h)anthracene	ng/g	ND		666	ND		375	NA	0
Benzo(g,h,i)perylene	ng/g	ND		666	ND		375	NA	0
Total PAHs	ng/g	ND			ND				

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EX408-1
Site ID : Bldg 408
Project No. : 17499

Matrix : Soil/Solid

Date : 3/25/96 Time : 1140

Test : 8021 — SPLIT SAMPLE ANALYSIS

Lab : on-site — Lab : ESS

Date Extracted : 3/27/96 — Date Extracted : 3/28/96

Date Analyzed : 3/27/96 — Date Analyzed : 3/28/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ng/g	ND		40	ND		1	NA	0
Benzene	ng/g	ND		5	ND		1	NA	0
Trichloroethylene	ng/g	ND		5	ND		1	NA	0
Toluene	ng/g	ND		5	ND		1	NA	0
Ethylbenzene	ng/g	ND		5	ND		1	NA	0
m,p-Xylene	ng/g	ND		5	ND		1	NA	0
o-Xylene	ng/g	ND		5	ND		1	NA	0

Test : 8270 — SPLIT SAMPLE ANALYSIS

Lab : on-site — Lab : ESS

Date Extracted : 3/25/96 — Date Extracted : 3/27/96

Date Analyzed : 3/26/96 — Date Analyzed : 3/28/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		333	ND		388	NA	0
Acenaphthene	ng/g	207	J	333	ND		388	NA	0
Fluorene	ng/g	527		333	ND		388	NA	0
Phenanthrene	ng/g	3360		333	3240		388	-3.64	0
Anthracene	ng/g	947		333	930		388	-1.81	0
Fluoranthene	ng/g	5707		333	6690		388	15.86	0
Pyrene	ng/g	4160		333	3380		388	-20.69	0
Benzo(a)anthracene	ng/g	2233		666	2790		388	22.18	0
Chrysene	ng/g	1753		666	2810		388	46.33	0
Benzo(b)fluoranthene	ng/g	2547		666	3960		388	43.43	0
Benzo(k)fluoranthene	ng/g	1040		666	1470		388	34.26	0
Benzo(a)pyrene	ng/g	1873		666	2540		388	30.23	0
Indeno(1,2,3-cd)pyrene	ng/g	1073		666	642		388	-50.26	0
Dibenz(a,h)anthracene	ng/g	ND		666	ND		388	NA	0
Benzo(g,h,i)perylene	ng/g	927		666	448		388	-69.67	0
Total PAHs	ng/g	26353			28900				

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EX426-2
Site ID : Bldg 426
Project No. : 17499

Matrix : Soil/Solid

Date : 7/1/96 Time : 1130

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 7/10/96 Date Extracted : 7/10/96

Date Analyzed : 7/10/96 Date Analyzed : 7/10/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ng/g	NA		40	ND		11	NA	0
Benzene	ng/g	1.8	JB	5	ND		11	NA	0
Trichloroethylene	ng/g	ND		5	ND		11	NA	0
Toluene	ng/g	ND		5	ND		11	NA	0
Ethylbenzene	ng/g	ND		5	ND		11	NA	0
m,p-Xylene	ng/g	ND		5	ND		11	NA	0
o-Xylene	ng/g	0.8	J	5	ND		11	NA	0

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 7/3/96 Date Extracted : 7/3/96

Date Analyzed : 7/11/96 Date Analyzed : 7/11/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		333	ND		371	NA	0
Acenaphthene	ng/g	ND		333	ND		371	NA	0
Fluorene	ng/g	ND		333	ND		371	NA	0
Phenanthrene	ng/g	44	J	333	ND		371	NA	0
Anthracene	ng/g	44	J	333	ND		371	NA	0
Fluoranthene	ng/g	143	J	333	ND		371	NA	0
Pyrene	ng/g	129	J	333	ND		371	NA	0
Benzo(a)anthracene	ng/g	95	J	333	ND		371	NA	0
Chrysene	ng/g	83	J	333	ND		371	NA	0
Benzo(b)fluoranthene	ng/g	106	J	333	ND		371	NA	0
Benzo(k)fluoranthene	ng/g	42	J	333	ND		371	NA	0
Benzo(a)pyrene	ng/g	87	J	333	ND		371	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	54	J	333	ND		371	NA	0
Dibenz(a,h)anthracene	ng/g	ND		333	ND		371	NA	0
Benzo(g,h,i)perylene	ng/g	54	J	333	ND		371	NA	0
Total PAHs	ng/g	882			ND			NA	

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EX509
Site ID : Bldg 509
Project No. : 17499

Matrix : Soil/Solid

Date : 5/21/96 Time : 0830

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 5/23/96 Date Extracted : 5/23/96

Date Analyzed : 5/23/96 Date Analyzed : 5/23/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ng/g	NA		40	NA		1	NA	0
Benzene	ng/g	ND		5	ND		1	NA	0
Trichloroethylene	ng/g	1.6	JB	5	ND		1	NA	0
Toluene	ng/g	ND		5	ND		1	NA	0
Ethylbenzene	ng/g	ND		5	ND		1	NA	0
m,p-Xylene	ng/g	ND		5	ND		1	NA	0
o-Xylene	ng/g	ND		5	ND		1	NA	0

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 5/29/96 Date Extracted : 5/24/96

Date Analyzed : 5/31/96 Date Analyzed : 5/29/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		333	ND		375	NA	0
Acenaphthene	ng/g	ND		333	ND		375	NA	0
Fluorene	ng/g	ND		333	ND		375	NA	0
Phenanthrene	ng/g	110	J	333	ND		375	NA	0
Anthracene	ng/g	ND		333	ND		375	NA	0
Fluoranthene	ng/g	318	J	333	868		375	92.75	0
Pyrene	ng/g	273	J	333	562		375	69.22	0
Benzo(a)anthracene	ng/g	ND		666	600		375	NA	0
Chrysene	ng/g	ND		666	782		375	NA	0
Benzo(b)fluoranthene	ng/g	ND		666	642		375	NA	0
Benzo(k)fluoranthene	ng/g	ND		666	ND		375	NA	0
Benzo(a)pyrene	ng/g	ND		666	466		375	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	ND		666	ND		375	NA	0
Dibenz(a,h)anthracene	ng/g	ND		666	ND		375	NA	0
Benzo(g,h,i)perylene	ng/g	ND		666	ND		375	NA	0
Total PAHs	ng/g	701			3920				

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EX509-1
Site ID : Bldg 509
Project No. : 17499

Matrix : Soil/Solid

Date : 5/1/96 Time : 0855

Test : 8021

Lab : on-site

Date Extracted : 5/1/96

Date Analyzed : 5/1/96

SPLIT SAMPLE ANALYSIS

Lab : ESS

Date Extracted : 5/6/96

Date Analyzed : 5/6/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ng/g	ND		40	ND		2	NA	0
Benzene	ng/g	ND		5	ND		2	NA	0
Trichloroethylene	ng/g	1.9	J	5	3		2	44.90	0
Toluene	ng/g	ND		5	ND		2	NA	0
Ethylbenzene	ng/g	ND		5	ND		2	NA	0
m,p-Xylene	ng/g	ND		5	ND		2	NA	0
o-Xylene	ng/g	ND		5	ND		2	NA	0

Test : 8270

Lab : on-site

Date Extracted : 5/1/96

Date Analyzed : 5/7/96

SPLIT SAMPLE ANALYSIS

Lab : ESS

Date Extracted : 5/7/96

Date Analyzed : 5/8/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		333	ND		363	NA	0
Acenaphthene	ng/g	ND		333	ND		363	NA	0
Fluorene	ng/g	139	J	333	ND		363	NA	0
Phenanthrene	ng/g	1682		333	1170		363	-35.90	0
Anthracene	ng/g	616		333	411		363	-39.92	0
Fluoranthene	ng/g	4589		333	2730		363	-50.80	0
Pyrene	ng/g	3570		333	1820		363	-64.94	0
Benzo(a)anthracene	ng/g	2391		666	1380		363	-53.62	0
Chrysene	ng/g	2132		666	1260		363	-51.42	0
Benzo(b)fluoranthene	ng/g	2881		666	1840		363	-44.10	0
Benzo(k)fluoranthene	ng/g	1060		666	480		363	-75.32	0
Benzo(a)pyrene	ng/g	1907		666	1200		363	-45.51	0
Indeno(1,2,3-cd)pyrene	ng/g	1371		666	620		363	-75.44	0
Dibenz(a,h)anthracene	ng/g	ND		666	ND		363	NA	0
Benzo(g,h,i)perylene	ng/g	1364		666	536		363	-87.16	0
Total PAHs	ng/g	23702			13447				

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EX614-1
Site ID : Bldg 614
Project No. : 17499

Matrix : Soil/Solid

Date : 12/8/95 Time : 0946

Test : 8270

Lab : on-site

Date Extracted : 12/12/95

Date Analyzed : 12/13/95

SPLIT SAMPLE ANALYSIS

Lab : E3I

Date Extracted : 12/11/95

Date Analyzed : 12/13/95

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		333	45	J	330	NA	0
Acenaphthene	ng/g	ND		333	40	J	330	NA	0
Fluorene	ng/g	ND		333	70	J	330	NA	0
Phenanthrene	ng/g	ND		333	480		330	NA	0
Anthracene	ng/g	ND		333	120	J	330	NA	0
Fluoranthene	ng/g	ND		333	640		330	NA	0
Pyrene	ng/g	ND		333	330	J	330	NA	0
Benzo(a)anthracene	ng/g	ND		666	240	J	330	NA	0
Chrysene	ng/g	ND		666	270	J	330	NA	0
Benzo(b)fluoranthene	ng/g	ND		666	190	J	330	NA	0
Benzo(k)fluoranthene	ng/g	ND		666	240	J	330	NA	0
Benzo(a)pyrene	ng/g	ND		666	200	J	330	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	ND		666	110	J	330	NA	0
Dibenz(a,h)anthracene	ng/g	ND		666	61	J	330	NA	0
Benzo(g,h,i)perylene	ng/g	ND		666	97	J	330	NA	0
Total PAHs	ng/g	ND			3133				

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EX640-W
Site ID : Bldg 640
Project No. : 17499

Matrix : Soil/Solid

Date : 12/11/95 Time : 1446

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab :

Date Extracted : 12/12/96 Date Extracted :

Date Analyzed : 12/12/96 Date Analyzed :

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : E3I

Date Extracted : 12/13/95 Date Extracted : 12/15/95

Date Analyzed : 12/14/95 Date Analyzed : 12/18/95

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		333	ND		350	NA	0
Acenaphthene	ng/g	ND		333	ND		350	NA	0
Fluorene	ng/g	ND		333	45	J	350	NA	0
Phenanthrene	ng/g	235	J	333	320	J	350	30.63	0
Anthracene	ng/g	ND		333	140	J	350	NA	0
Fluoranthene	ng/g	431		333	670		350	43.42	0
Pyrene	ng/g	398		333	510		350	24.67	0
Benzo(a)anthracene	ng/g	ND		666	410		350	NA	0
Chrysene	ng/g	404	J	666	370		350	-8.79	0
Benzo(b)fluoranthene	ng/g	ND		666	320	J	350	NA	0
Benzo(k)fluoranthene	ng/g	ND		666	300	J	350	NA	0
Benzo(a)pyrene	ng/g	ND		666	320	J	350	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	ND		666	160	J	350	NA	0
Dibenz(a,h)anthracene	ng/g	705		666	110	J	350	-146.01	3
Benzo(g,h,i)perylene	ng/g	444	J	666	170	J	350	-89.25	0
Total PAHs	ng/g	2616			3845			38.04	0

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EXMFH204B-LQ
Site ID : MFH204B
Project No. : 17499

Matrix : Aqueous

Date : 8/5/96 Time : 1530

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : OHMAD Lab : ESS

Date Extracted : 8/16/96 Date Extracted : 8/13/96

Date Analyzed : 8/16/96 Date Analyzed : 8/13/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ug/l	NA		2	NA		1	NA	0
Benzene	ug/l	ND		1	ND		1	NA	0
Trichloroethylene	ug/l	ND		1	ND		1	NA	0
Toluene	ug/l	ND		1	ND		1	NA	0
Ethylbenzene	ug/l	ND		1	ND		1	NA	0
Xylenes, total	ug/l	ND		1	ND		1	NA	0

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 8/7/96 Date Extracted : 8/12/96

Date Analyzed : 8/18/96 Date Analyzed : 8/16/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ug/l	ND		5	ND		10	NA	0
Acenaphthene	ug/l	ND		5	ND		10	NA	0
Fluorene	ug/l	ND		5	ND		10	NA	0
Phenanthrene	ug/l	ND		5	ND		10	NA	0
Anthracene	ug/l	ND		5	ND		10	NA	0
Fluoranthene	ug/l	ND		5	ND		10	NA	0
Pyrene	ug/l	ND		5	ND		10	NA	0
Benzo(a)anthracene	ug/l	ND		5	ND		10	NA	0
Chrysene	ug/l	ND		5	ND		10	NA	0
Benzo(b)fluoranthene	ug/l	ND		5	ND		10	NA	0
Benzo(k)fluoranthene	ug/l	ND		5	ND		10	NA	0
Benzo(a)pyrene	ug/l	ND		5	ND		10	NA	0
Indeno(1,2,3-cd)pyrene	ug/l	ND		5	ND		10	NA	0
Dibenz(a,h)anthracene	ug/l	ND		5	ND		10	NA	0
Benzo(g,h,i)perylene	ug/l	ND		5	ND		10	NA	0
Total PAHs	ug/l	ND			ND				

ug/l = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EXMFH221A-LQ
Site ID : MFH221A
Project No. : 17499

Matrix : Aqueous
Date : 8/8/96 Time : 1420

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 8/17/96 Date Extracted : 8/16/96

Date Analyzed : 8/17/96 Date Analyzed : 8/16/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ug/l	NA		40	NA	D	25	NA	0
Benzene	ug/l	ND		5	ND	D	25	NA	0
Trichloroethylene	ug/l	NA		5	NA	D	25	NA	0
Toluene	ug/l	1.6	J	5	ND	D	25	NA	0
Ethylbenzene	ug/l	ND		5	ND	D	25	NA	0
m,p-Xylene	ug/l	6.7		5	ND	D	25	NA	0
o-Xylene	ug/l	2.1	JB	5	ND	D	25	NA	0

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 8/14/96 Date Extracted : 8/12/96

Date Analyzed : 8/22/96 Date Analyzed : 8/15/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ug/l	503.2	JD	1000	595	D	5	16.72	0
Acenaphthene	ug/l	833.7	JD	1000	ND	D	500	NA	0
Fluorene	ug/l	1749.5	D	1000	512	D	500	-109.44	0
Phenanthrene	ug/l	3136.8	D	1000	1070	D	500	-98.26	0
Anthracene	ug/l	ND	D	1000	ND	D	500	NA	0
Fluoranthene	ug/l	ND	D	1000	ND	D	500	NA	0
Pyrene	ug/l	162.1	JD	1000	ND	D	500	NA	0
Benzo(a)anthracene	ug/l	ND	D	1000	ND	D	500	NA	0
Chrysene	ug/l	ND	D	1000	ND	D	500	NA	0
Benzo(b)fluoranthene	ug/l	ND	D	1000	ND	D	500	NA	0
Benzo(k)fluoranthene	ug/l	ND	D	1000	ND	D	500	NA	0
Benzo(a)pyrene	ug/l	ND	D	1000	ND	D	500	NA	0
Indeno(1,2,3-cd)pyrene	ug/l	ND	D	1000	ND	D	500	NA	0
Dibenz(a,h)anthracene	ug/l	ND	D	1000	ND	D	500	NA	0
Benzo(g,h,i)perylene	ug/l	ND	D	1000	ND	D	500	NA	0
Total PAHs	ug/l	6385.3			2177			-98.30	0

ug/l = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EXMFH816B
Site ID : MFH816B
Project No. : 17499

Matrix : Soil/Solid

Date : 8/20/96 Time : 0930

Test : 8021

Lab : on-site

Date Extracted : 8/23/96

Date Analyzed : 8/23/96

SPLIT SAMPLE ANALYSIS

Lab : ESS

Date Extracted : 8/26/96

Date Analyzed : 8/26/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ng/g	NA		40	NA		1	NA	0
Benzene	ng/g	ND		5	ND		1	NA	0
Trichloroethylene	ng/g	NA		5	NA		1	NA	0
Toluene	ng/g	ND		5	ND		1	NA	0
Ethylbenzene	ng/g	ND		5	ND		1	NA	0
m,p-Xylene	ng/g	ND		5	ND		1	NA	0
o-Xylene	ng/g	ND		5	ND		1	NA	0

Test : 8270

Lab : on-site

Date Extracted : 8/26/96

Date Analyzed : 9/9/96

SPLIT SAMPLE ANALYSIS

Lab : ESS

Date Extracted : 8/21/96

Date Analyzed : 8/24/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		333	ND		367	NA	0
Acenaphthene	ng/g	ND		333	ND		367	NA	0
Fluorene	ng/g	ND		333	ND		367	NA	0
Phenanthrene	ng/g	ND		333	ND		367	NA	0
Anthracene	ng/g	ND		333	ND		367	NA	0
Fluoranthene	ng/g	ND		333	ND		367	NA	0
Pyrene	ng/g	ND		333	ND		367	NA	0
Benzo(a)anthracene	ng/g	ND		333	ND		367	NA	0
Chrysene	ng/g	ND		333	ND		367	NA	0
Benzo(b)fluoranthene	ng/g	ND		333	ND		367	NA	0
Benzo(k)fluoranthene	ng/g	ND		333	ND		367	NA	0
Benzo(a)pyrene	ng/g	ND		333	ND		367	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	ND		333	ND		367	NA	0
Dibenz(a,h)anthracene	ng/g	ND		333	ND		367	NA	0
Benzo(g,h,i)perylene	ng/g	ND		333	ND		367	NA	0
Total PAHs	ng/g	ND			ND			NA	NA

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EXMFH821B
Site ID : MFH821B
Project No. : 17499

Matrix : Soil/Solid

Date : 8/29/96 Time : 0835

Test : 8021

Lab : ESS

Date Extracted : 9/5/96

Date Analyzed : 9/5/96

SPLIT SAMPLE ANALYSIS

Lab :

Date Extracted :

Date Analyzed :

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key

Test : 8270

Lab : on-site

Date Extracted : 9/9/96

Date Analyzed : 9/14/96

SPLIT SAMPLE ANALYSIS

Lab : ESS

Date Extracted : 9/5/96

Date Analyzed : 9/10/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		333	ND		335	NA	0
Acenaphthene	ng/g	ND		333	ND		335	NA	0
Fluorene	ng/g	ND		333	ND		335	NA	0
Phenanthrene	ng/g	ND		333	ND		335	NA	0
Anthracene	ng/g	ND		333	ND		335	NA	0
Fluoranthene	ng/g	ND		333	ND		335	NA	0
Pyrene	ng/g	ND		333	ND		335	NA	0
Benzo(a)anthracene	ng/g	ND		333	ND		335	NA	0
Chrysene	ng/g	ND		333	ND		335	NA	0
Benzo(b)fluoranthene	ng/g	ND		333	ND		335	NA	0
Benzo(k)fluoranthene	ng/g	ND		333	ND		335	NA	0
Benzo(a)pyrene	ng/g	ND		333	ND		335	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	ND		333	ND		335	NA	0
Dibenz(a,h)anthracene	ng/g	ND		333	ND		335	NA	0
Benzo(g,h,i)perylene	ng/g	ND		333	ND		335	NA	0
Total PAHs	ng/g	ND			ND			NA	NA

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EXMFH832A-2
Site ID : MFH832A
Project No. : 17499

Matrix : Soil/Solid
Date : 9/6/96 Time : 1025

Test : 8021
Lab : on-site
Date Extracted : 9/18/96
Date Analyzed : 9/18/96

SPLIT SAMPLE ANALYSIS
Lab :
Date Extracted :
Date Analyzed :

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ng/g	ND		40	ND		1	NA	0
Benzene	ng/g	ND		5	ND		1	NA	0
Trichloroethylene	ng/g	46.01	B	5	18	B	1	-87.52	0
Toluene	ng/g	ND		5	ND		1	NA	0
Ethylbenzene	ng/g	ND		5	ND		1	NA	0
m,p-Xylene	ng/g	ND		5	ND		2	NA	0
o-Xylene	ng/g	ND		5	ND		1	NA	0

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EXMFH849A
Site ID : MFH849A
Project No. : 17499

Matrix : Soil/Solid

Date : 9/5/96 Time : 1355

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab :

Date Extracted : 9/18/96 Date Extracted :

Date Analyzed : 9/18/96 Date Analyzed :

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ng/g	ND		40	ND		1	NA	0
Benzene	ng/g	ND		5	ND		1	NA	0
Trichloroethylene	ng/g	15.44	B	5	19	B	1	20.67	0
Toluene	ng/g	ND		5	ND		1	NA	0
Ethylbenzene	ng/g	ND		5	ND		1	NA	0
m,p-Xylene	ng/g	ND		5	ND		2	NA	0
o-Xylene	ng/g	ND		5	ND		1	NA	0

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab :

Date Extracted : 9/11/96 Date Extracted :

Date Analyzed : 9/16/96 Date Analyzed :

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EXMFH869A
Site ID : MFH869A
Project No. : 17499

Matrix : Soil/Solid
Date : 9/16/96 Time : 1340

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 9/25/96 Date Extracted : 9/25/96

Date Analyzed : 9/25/96 Date Analyzed : 9/25/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ng/g	NA		40	NA		1	NA	0
Benzene	ng/g	ND		5	ND		1	NA	0
Trichloroethylene	ng/g	NA		5	NA		1	NA	0
Toluene	ng/g	ND		5	ND		1	NA	0
Ethylbenzene	ng/g	ND		5	ND		1	NA	0
m,p-Xylene	ng/g	ND		5	ND		1	NA	0
o-Xylene	ng/g	ND		5	ND		1	NA	0

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 9/18/96 Date Extracted : 9/21/96

Date Analyzed : 9/19/96 Date Analyzed : 9/24/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		333	ND		407	NA	0
Acenaphthene	ng/g	ND		333	ND		407	NA	0
Fluorene	ng/g	ND		333	ND		407	NA	0
Phenanthrene	ng/g	93	J	333	ND		407	NA	0
Anthracene	ng/g	ND		333	ND		407	NA	0
Fluoranthene	ng/g	ND		333	ND		407	NA	0
Pyrene	ng/g	63	J	333	ND		407	NA	0
Benzo(a)anthracene	ng/g	ND		333	ND		407	NA	0
Chrysene	ng/g	ND		333	ND		407	NA	0
Benzo(b)fluoranthene	ng/g	ND		333	ND		407	NA	0
Benzo(k)fluoranthene	ng/g	ND		333	ND		407	NA	0
Benzo(a)pyrene	ng/g	ND		333	ND		407	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	ND		333	ND		407	NA	0
Dibenz(a,h)anthracene	ng/g	ND		333	ND		407	NA	0
Benzo(g,h,i)perylene	ng/g	ND		333	ND		407	NA	0
Total PAHs	ng/g	157			ND			NA	NA

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EXMFH871A-2
Site ID : MFH871A
Project No. : 17499

Matrix : Soil/Solid

Date : 1/5/96 Time : 1052

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 1/6/96 Date Extracted : 1/15/96

Date Analyzed : 1/6/96 Date Analyzed : 1/15/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Benzene	ng/g	ND		5	ND		1	NA	0
Trichloroethylene	ng/g	ND		5	ND		1	NA	0
Toluene	ng/g	9.4		5	ND		1	NA	3
Ethylbenzene	ng/g	ND		5	ND		1	NA	0
m,p-Xylene	ng/g	14.4		5	ND		1	NA	4
o-Xylene	ng/g	6.9		5	ND		1	NA	3

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : OHMAD Lab : ESS

Date Extracted : 1/13/96 Date Extracted : 1/11/96

Date Analyzed : 1/14/96 Date Analyzed : 1/13/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		381	ND		190	NA	0
Acenaphthene	ng/g	ND		381	ND		190	NA	0
Fluorene	ng/g	ND		381	ND		190	NA	0
Phenanthrene	ng/g	ND		381	ND		190	NA	0
Anthracene	ng/g	ND		381	ND		190	NA	0
Fluoranthene	ng/g	ND		381	ND		190	NA	0
Pyrene	ng/g	ND		381	ND		190	NA	0
Benzo(a)anthracene	ng/g	ND		381	ND		190	NA	0
Chrysene	ng/g	ND		381	ND		190	NA	0
Benzo(b)fluoranthene	ng/g	ND		381	ND		190	NA	0
Benzo(k)fluoranthene	ng/g	ND		381	ND		190	NA	0
Benzo(a)pyrene	ng/g	ND		381	ND		190	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	ND		381	ND		190	NA	0
Dibenz(a,h)anthracene	ng/g	ND		381	ND		190	NA	0
Benzo(g,h,i)perylene	ng/g	ND		381	ND		190	NA	0
Total PAHs	ng/g	ND			ND				

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EXMFH880A
Site ID : MFH880A
Project No. : 17499

Matrix : Soil/Solid
Date : 8/23/96 Time : 1140

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : ESS Lab :

Date Extracted : 9/4/96 Date Extracted :

Date Analyzed : 9/4/96 Date Analyzed :

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 9/7/96 Date Extracted : 8/30/96

Date Analyzed : 9/12/96 Date Analyzed : 9/4/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND	R	333	ND		379	NA	0
Acenaphthene	ng/g	ND	R	333	ND		379	NA	0
Fluorene	ng/g	ND	R	333	ND		379	NA	0
Phenanthrene	ng/g	ND	R	333	ND		379	NA	0
Anthracene	ng/g	ND	R	333	ND		379	NA	0
Fluoranthene	ng/g	ND	R	333	ND		379	NA	0
Pyrene	ng/g	ND	R	333	ND		379	NA	0
Benzo(a)anthracene	ng/g	ND	R	333	ND		379	NA	0
Chrysene	ng/g	ND	R	333	ND		379	NA	0
Benzo(b)fluoranthene	ng/g	ND	R	333	ND		379	NA	0
Benzo(k)fluoranthene	ng/g	ND	R	333	ND		379	NA	0
Benzo(a)pyrene	ng/g	ND	R	333	ND		379	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	ND	R	333	ND		379	NA	0
Dibenz(a,h)anthracene	ng/g	ND	R	333	ND		379	NA	0
Benzo(g,h,i)perylene	ng/g	ND	R	333	ND		379	NA	0
Total PAHs	ng/g	ND			ND			NA	0

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EXMFH884B-LQ
Site ID : MFH884B
Project No. : 17499

Matrix : Aqueous

Date : 8/23/96 Time : 1415

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : ESS Lab :

Date Extracted : 8/29/96 Date Extracted :

Date Analyzed : 8/29/96 Date Analyzed :

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 8/28/96 Date Extracted : 8/30/96

Date Analyzed : 9/10/96 Date Analyzed : 9/4/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ug/l	ND		5	ND		10	NA	0
Acenaphthene	ug/l	ND		5	ND		10	NA	0
Fluorene	ug/l	ND		5	ND		10	NA	0
Phenanthrene	ug/l	ND		5	ND		10	NA	0
Anthracene	ug/l	ND		5	ND		10	NA	0
Fluoranthene	ug/l	ND		5	ND		10	NA	0
Pyrene	ug/l	ND		5	ND		10	NA	0
Benzo(a)anthracene	ug/l	ND		5	ND		10	NA	0
Chrysene	ug/l	ND		5	ND		10	NA	0
Benzo(b)fluoranthene	ug/l	ND		5	ND		10	NA	0
Benzo(k)fluoranthene	ug/l	ND		5	ND		10	NA	0
Benzo(a)pyrene	ug/l	ND		5	ND		10	NA	0
Indeno(1,2,3-cd)pyrene	ug/l	ND		5	ND		10	NA	0
Dibenz(a,h)anthracene	ug/l	ND		5	ND		10	NA	0
Benzo(g,h,i)perylene	ug/l	ND		5	ND		10	NA	0
Total PAHs	ug/l	ND			ND			NA	0

ug/l = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EXMFH900B
Site ID : MFH900B
Project No. : 17499

Matrix : Soil/Solid
Date : 9/11/96 Time : 1040

Test : 8021	SPLIT SAMPLE ANALYSIS
Lab : on-site	Lab : ESS
Date Extracted : 9/20/96	Date Extracted : 9/17/96
Date Analyzed : 9/20/96	Date Analyzed : 9/17/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ng/g	NA		40	NA		1	NA	0
Benzene	ng/g	ND		5	ND		1	NA	0
Trichloroethylene	ng/g	NA		5	NA		1	NA	0
Toluene	ng/g	ND		5	ND		1	NA	0
Ethylbenzene	ng/g	ND		5	ND		1	NA	0
m,p-Xylene	ng/g	ND		5	ND		2	NA	0
o-Xylene	ng/g	ND		5	ND		1	NA	0

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : EXMFH908A-2
Site ID : MFH908A
Project No. : 17499

Matrix : Soil/Solid

Date : 9/11/96 Time : 1100

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 9/23/96 Date Extracted : 9/18/96

Date Analyzed : 9/23/96 Date Analyzed : 9/18/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ng/g	NA		40	NA		1	NA	0
Benzene	ng/g	ND		5	ND		1	NA	0
Trichloroethylene	ng/g	NA		5	NA		1	NA	0
Toluene	ng/g	ND		5	ND		1	NA	0
Ethylbenzene	ng/g	ND		5	ND		1	NA	0
m,p-Xylene	ng/g	ND		5	ND		1	NA	0
o-Xylene	ng/g	ND		5	ND		1	NA	0

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab :

Date Extracted : 9/16/96 Date Extracted :

Date Analyzed : 9/18/96 Date Analyzed :

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : SP205
Site ID : MFH205
Project No. : 17499

Matrix : Soil/Solid

Date : 12/19/95 Time : 1005

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab :

Date Extracted : 12/19/95 Date Extracted :

Date Analyzed : 12/19/95 Date Analyzed :

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : E3I

Date Extracted : 12/26/95 Date Extracted : 12/21/95

Date Analyzed : 12/27/95 Date Analyzed : 12/27/95

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		333	ND		370	NA	0
Acenaphthene	ng/g	ND		333	ND		370	NA	0
Fluorene	ng/g	ND		333	ND		370	NA	0
Phenanthrene	ng/g	ND		333	80	J	370	NA	0
Anthracene	ng/g	ND		333	ND		370	NA	0
Fluoranthene	ng/g	ND		333	120	J	370	NA	0
Pyrene	ng/g	ND		333	94	J	370	NA	0
Benzo(a)anthracene	ng/g	ND		666	55	J	370	NA	0
Chrysene	ng/g	ND		666	74	J	370	NA	0
Benzo(b)fluoranthene	ng/g	ND		666	54	J	370	NA	0
Benzo(k)fluoranthene	ng/g	ND		666	56	J	370	NA	0
Benzo(a)pyrene	ng/g	ND		666	60	J	370	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	ND		666	34	J	370	NA	0
Dibenz(a,h)anthracene	ng/g	ND		666	ND		370	NA	0
Benzo(g,h,i)perylene	ng/g	ND		666	40	J	370	NA	0
Total PAHs	ng/g	ND			667				

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : SP3190-1
Site ID : Bldg 3190
Project No. : 17499

Matrix : Soil/Solid

Date : 4/24/96 Time : 0930

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 4/25/96 Date Extracted : 4/30/96

Date Analyzed : 4/25/96 Date Analyzed : 4/30/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ng/g	NA		40	NA		1	NA	0
Benzene	ng/g	ND		5	ND		1	NA	0
Trichloroethylene	ng/g	ND		5	ND		1	NA	0
Toluene	ng/g	ND		5	ND		1	NA	0
Ethylbenzene	ng/g	ND		5	ND		1	NA	0
m,p-Xylene	ng/g	ND		5	ND		1	NA	0
o-Xylene	ng/g	ND		5	ND		1	NA	0

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 4/24/96 Date Extracted : 4/29/96

Date Analyzed : 5/1/96 Date Analyzed : 4/29/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		333	ND		359	NA	0
Acenaphthene	ng/g	ND		333	ND		359	NA	0
Fluorene	ng/g	ND		333	ND		359	NA	0
Phenanthrene	ng/g	ND		333	ND		359	NA	0
Anthracene	ng/g	ND		333	ND		359	NA	0
Fluoranthene	ng/g	ND		333	ND		359	NA	0
Pyrene	ng/g	ND		333	ND		359	NA	0
Benzo(a)anthracene	ng/g	ND		666	ND		359	NA	0
Chrysene	ng/g	ND		666	ND		359	NA	0
Benzo(b)fluoranthene	ng/g	ND		666	ND		359	NA	0
Benzo(k)fluoranthene	ng/g	ND		666	ND		359	NA	0
Benzo(a)pyrene	ng/g	ND		666	ND		359	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	ND		666	ND		359	NA	0
Dibenz(a,h)anthracene	ng/g	ND		666	ND		359	NA	0
Benzo(g,h,i)perylene	ng/g	ND		666	ND		359	NA	0
Total PAHs	ng/g	ND			ND			NA	0

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : SPMFH809B
Site ID : MFH809B
Project No. : 17499

Matrix : Soil/Solid
Date : 8/20/96 Time : 0850

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 8/23/96 Date Extracted : 8/26/96

Date Analyzed : 8/23/96 Date Analyzed : 8/26/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ng/g	NA		40	NA		1	NA	0
Benzene	ng/g	ND		5	ND		1	NA	0
Trichloroethylene	ng/g	NA		5	NA		1	NA	0
Toluene	ng/g	ND		5	ND		1	NA	0
Ethylbenzene	ng/g	ND		5	ND		1	NA	0
m,p-Xylene	ng/g	ND		5	ND		1	NA	0
o-Xylene	ng/g	ND		5	ND		1	NA	0

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 8/26/96 Date Extracted : 8/21/96

Date Analyzed : 8/27/96 Date Analyzed : 8/24/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		333	ND		388	NA	0
Acenaphthene	ng/g	ND		333	ND		388	NA	0
Fluorene	ng/g	ND		333	ND		388	NA	0
Phenanthrene	ng/g	ND		333	ND		388	NA	0
Anthracene	ng/g	ND		333	ND		388	NA	0
Fluoranthene	ng/g	ND		333	ND		388	NA	0
Pyrene	ng/g	ND		333	ND		388	NA	0
Benzo(a)anthracene	ng/g	ND		333	ND		388	NA	0
Chrysene	ng/g	ND		333	ND		388	NA	0
Benzo(b)fluoranthene	ng/g	ND		333	ND		388	NA	0
Benzo(k)fluoranthene	ng/g	ND		333	ND		388	NA	0
Benzo(a)pyrene	ng/g	ND		333	ND		388	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	ND		333	ND		388	NA	0
Dibenz(a,h)anthracene	ng/g	ND		333	ND		388	NA	0
Benzo(g,h,i)perylene	ng/g	ND		333	ND		388	NA	0
Total PAHs	ng/g	ND			ND			NA	NA

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : SPMFH832A-2
Site ID : MFH832A
Project No. : 17499

Matrix : Soil/Solid

Date : 9/6/96 Time : 1035

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab :

Date Extracted : 9/18/96 Date Extracted :

Date Analyzed : 9/18/96 Date Analyzed :

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ng/g	ND		40	ND		1	NA	0
Benzene	ng/g	ND		5	ND		1	NA	0
Trichloroethylene	ng/g	54.03	B	5	26	B	1	-70.05	0
Toluene	ng/g	ND		5	ND		1	NA	0
Ethylbenzene	ng/g	ND		5	ND		1	NA	0
m,p-Xylene	ng/g	ND		5	ND		2	NA	0
o-Xylene	ng/g	ND		5	ND		1	NA	0

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : SPMFH865B
Site ID : MFH865B
Project No. : 17499

Matrix : Soil/Solid

Date : 8/28/96 Time : 1355

Test : 8270

Lab : on-site

Date Extracted : 9/9/96

Date Analyzed : 9/14/96

SPLIT SAMPLE ANALYSIS

Lab : ESS

Date Extracted : 9/5/96

Date Analyzed : 9/10/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		333	ND		393	NA	0
Acenaphthene	ng/g	ND		333	ND		393	NA	0
Fluorene	ng/g	ND		333	ND		393	NA	0
Phenanthrene	ng/g	ND		333	ND		393	NA	0
Anthracene	ng/g	ND		333	ND		393	NA	0
Fluoranthene	ng/g	ND		333	ND		393	NA	0
Pyrene	ng/g	ND		333	ND		393	NA	0
Benzo(a)anthracene	ng/g	ND		333	ND		393	NA	0
Chrysene	ng/g	ND		333	ND		393	NA	0
Benzo(b)fluoranthene	ng/g	ND		333	ND		393	NA	0
Benzo(k)fluoranthene	ng/g	ND		333	ND		393	NA	0
Benzo(a)pyrene	ng/g	ND		333	ND		393	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	ND		333	ND		393	NA	0
Dibenz(a,h)anthracene	ng/g	ND		333	ND		393	NA	0
Benzo(g,h,i)perylene	ng/g	ND		333	ND		393	NA	0
Total PAHs	ng/g	ND			ND			NA	0

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : SPMFH869B
Site ID : MFH869B
Project No. : 17499

Matrix : Soil/Solid

Date : 9/17/96 Time : 1300

Test : 8021

Lab : on-site

Date Extracted : 9/25/96

Date Analyzed : 9/25/96

SPLIT SAMPLE ANALYSIS

Lab : ESS

Date Extracted : 9/25/96

Date Analyzed : 9/25/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ng/g	NA		40	NA		1	NA	0
Benzene	ng/g	ND		5	ND		1	NA	0
Trichloroethylene	ng/g	NA		5	NA		1	NA	0
Toluene	ng/g	1.6	J	5	ND		1	NA	0
Ethylbenzene	ng/g	ND		5	ND		1	NA	0
m,p-Xylene	ng/g	ND		5	ND		1	NA	0
o-Xylene	ng/g	ND		5	ND		1	NA	0

Test : 8270

Lab : on-site

Date Extracted : 9/18/96

Date Analyzed : 9/20/96

SPLIT SAMPLE ANALYSIS

Lab : ESS

Date Extracted : 9/21/96

Date Analyzed : 9/24/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Napthalene	ng/g	ND		333	ND		398	NA	0
Acenaphthene	ng/g	ND		333	ND		398	NA	0
Fluorene	ng/g	ND		333	ND		398	NA	0
Phenanthrene	ng/g	ND		333	ND		398	NA	0
Anthracene	ng/g	ND		333	ND		398	NA	0
Fluoranthene	ng/g	ND		333	ND		398	NA	0
Pyrene	ng/g	ND		333	ND		398	NA	0
Benzo(a)anthracene	ng/g	ND		333	ND		398	NA	0
Chrysene	ng/g	ND		333	ND		398	NA	0
Benzo(b)fluoranthene	ng/g	ND		333	ND		398	NA	0
Benzo(k)fluoranthene	ng/g	ND		333	ND		398	NA	0
Benzo(a)pyrene	ng/g	ND		333	ND		398	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	ND		333	ND		398	NA	0
Dibenz(a,h)anthracene	ng/g	ND		333	ND		398	NA	0
Benzo(g,h,i)perylene	ng/g	ND		333	ND		398	NA	0
Total PAHs	ng/g	ND			ND				

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : SPMFH928A
Site ID : MFH928A
Project No. : 17499

Matrix : Soil/Solid

Date : 8/28/96 Time : 1115

Test : 8021 SPLIT SAMPLE ANALYSIS

Lab : ESS Lab :

Date Extracted : 9/5/96 Date Extracted :

Date Analyzed : 9/5/96 Date Analyzed :

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key

Test : 8270 SPLIT SAMPLE ANALYSIS

Lab : on-site Lab : ESS

Date Extracted : 9/9/96 Date Extracted : 9/5/96

Date Analyzed : 9/14/96 Date Analyzed : 9/10/96

Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
Naphthalene	ng/g	ND		333	ND		398	NA	0
Acenaphthene	ng/g	ND		333	ND		398	NA	0
Fluorene	ng/g	ND		333	ND		398	NA	0
Phenanthrene	ng/g	ND		333	ND		398	NA	0
Anthracene	ng/g	ND		333	ND		398	NA	0
Fluoranthene	ng/g	ND		333	ND		398	NA	0
Pyrene	ng/g	ND		333	ND		398	NA	0
Benzo(a)anthracene	ng/g	ND		333	ND		398	NA	0
Chrysene	ng/g	ND		333	ND		398	NA	0
Benzo(b)fluoranthene	ng/g	ND		333	ND		398	NA	0
Benzo(k)fluoranthene	ng/g	ND		333	ND		398	NA	0
Benzo(a)pyrene	ng/g	ND		333	ND		398	NA	0
Indeno(1,2,3-cd)pyrene	ng/g	ND		333	ND		398	NA	0
Dibenz(a,h)anthracene	ng/g	ND		333	ND		398	NA	0
Benzo(g,h,i)perylene	ng/g	ND		333	ND		398	NA	0
Total PAHs	ng/g	ND			ND			NA	0

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

Split Sample Results

Plattsburgh AFB

SampleID : SPMFH928B-2
Site ID : MFH928B
Project No. : 17499

Matrix : Soil/Solid

Date : 9/12/96 Time : 1425

Test : 8021					SPLIT SAMPLE ANALYSIS				
Lab : on-site					Lab : ESS				
Date Extracted : 9/20/96					Date Extracted : 9/17/96				
Date Analyzed : 9/20/96					Date Analyzed : 9/17/96				
Parameter	Units	Result	Flag	DL	Split Result	Split Flag	Split DL	Split RPD	QA/QC key
MTBE	ng/g	NA		40	NA		1	0	0
Benzene	ng/g	ND		5	ND		1	0	0
Trichloroethylene	ng/g	ND		5	ND		1	0	0
Toluene	ng/g	ND		5	ND		1	0	0
Ethylbenzene	ng/g	ND		5	ND		1	0	0
m,p-Xylene	ng/g	ND		5	ND		1	0	0
o-Xylene	ng/g	ND		5	ND		1	0	0

ng/g = ppb ND=compound not detected NA=not applicable RPD=relative percent difference J = estimated value is below the practical quantitation limit and above the method detection limit
B = analyte was detected in an associated blank as well as in the sample D =sample was diluted, see corresponding detection limit E = estimated concentration is above the calibration range of the instrument
R = data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria EX = ID prefix for excavation sample SP = ID prefix for stockpile sample
AB (or FB) = ID prefix for an ambient blank sample ER = ID prefix for an equipment rinsate sample LQ = ID suffix for a liquid sample

QA/QC key:
0 Data Agrees < 5X difference or both ND or result <= 5X DL of other sample if one is ND
1 Minor Contamination by Common Laboratory Contaminant
2 Not Tested by Both Laboratories
3 Minor Data Discrepency - 5 to 10x difference or result 5 to 10x DL of other sample if one is ND
4 Major Data Discrepency >= 10x difference or result >= 10x DL of other sample if one is ND

APPENDIX E2
SURROGATE EXCEPTION REPORT

Surrogate Exception Report

SampleID	Site ID	Matrix	Date	Test	Extracted	Analyzed	Dilution	QC Batch	Data File	Parameter	% Rec.	Lo Lim.	Hi Lim.
HPGP-01-LQ	2658GP	Aqueous	7/12/96	8270	7/26/96	7/27/96	1	L008	GCM2750	1,2-Dichlorobenzene-d4	27	35	115
HPGP-02	2658GP	Soil/Solid	7/15/96	8270	7/22/96	7/25/96	1	42	GCM2713	1,2-Dichlorobenzene-d4	20	35	115
HPGP-02	2658GP	Soil/Solid	7/15/96	8270	7/22/96	7/25/96	1	42	GCM2713	Nitrobenzene-d5	34	35	115
HPGP-03-LQ	2658GP	Aqueous	7/15/96	8270	7/26/96	7/27/96	1	L08	GCM2751	1,2-Dichlorobenzene-d4	33	35	115
HPGP-04-LQ	2658GP	Aqueous	7/15/96	8270	7/22/96	7/23/96	1	L007	GCM2678	2-Fluorobiphenyl	131	40	115
HPGP-04-LQ	2658GP	Aqueous	7/15/96	8270	7/22/96	7/23/96	1	L007	GCM2678	Nitrobenzene-d5	147	35	115
HPGP-04-LQ	2658GP	Aqueous	7/15/96	8270	7/22/96	7/23/96	1	L007	GCM2678	Terphenyl-d14	175	30	140
HPGP-12	2658GP	Soil/Solid	7/17/96	8021	7/27/96	7/27/96	1	VS040	PID2812	Bromofluorobenzene	40	50	150
EX102-B	Bldg 102	Soil/Solid	12/1/95	8021	12/11/95	12/11/95	1	VS001	PID0105	Bromofluorobenzene	23	50	150
EX102-E	Bldg 102	Soil/Solid	12/1/95	8021	12/11/95	12/11/95	1	VS001	PID0100	Bromochlorobenzene	31	50	150
EX102-E	Bldg 102	Soil/Solid	12/1/95	8270	12/7/95	12/8/95	1	S001	GCM0129	Nitrobenzene-d5	120	35	115
EX102-N	Bldg 102	Soil/Solid	12/1/95	8021	12/11/95	12/11/95	1	VS001	PID0099	Bromochlorobenzene	13	50	150
EX102-N	Bldg 102	Soil/Solid	12/1/95	8270	12/7/95	12/8/95	1	S001	GCM0127	1,2-Dichlorobenzene-d4	135	35	115
EX102-N	Bldg 102	Soil/Solid	12/1/95	8270	12/7/95	12/8/95	1	S001	GCM0127	2-Fluorobiphenyl	134	40	115
EX102-N	Bldg 102	Soil/Solid	12/1/95	8270	12/7/95	12/8/95	1	S001	GCM0127	Nitrobenzene-d5	139	35	115
EX102-S	Bldg 102	Soil/Solid	12/1/95	8021	12/11/95	12/11/95	1	VS001	PID0101	Bromochlorobenzene	20	50	150
EX102-S	Bldg 102	Soil/Solid	12/1/95	8270	12/7/95	12/9/95	1	S001	GCM0133	Nitrobenzene-d5	120	35	115
EX102-W	Bldg 102	Soil/Solid	12/1/95	8021	12/11/95	12/11/95	1	VS001	PID0102	Bromochlorobenzene	13	50	150
EX102-W	Bldg 102	Soil/Solid	12/1/95	8270	12/7/95	12/8/95	1	S001	GCM0131	Nitrobenzene-d5	116	35	115
SP102-1	Bldg 102	Soil/Solid	12/1/95	8270	12/7/95	12/9/95	1	S001	GCM0140	Nitrobenzene-d5	124	35	115
EX1807-1	Bldg 1807	Soil/Solid	5/28/96	8270	5/31/96	6/4/96	1	S034	GCM2098	1,2-Dichlorobenzene-d4	23	35	115
EX1809B	Bldg 1809 B	Soil/Solid	6/25/96	8270	7/9/96	7/9/96	1	S039	GCM2493	1,2-Dichlorobenzene-d4	10	35	115
EX1809B-LQ	Bldg 1809 B	Aqueous	6/25/96	8270	6/28/96	7/2/96	1	L007	GCM2429	1,2-Dichlorobenzene-d4	28	35	115
EX1809B-LQ	Bldg 1809 B	Aqueous	6/25/96	8270	6/28/96	7/2/96	1	L007	GCM2429	2-Fluorobiphenyl	39	40	115
EX1809B-LQ	Bldg 1809 B	Aqueous	6/25/96	8270	6/28/96	7/2/96	1	L007	GCM2429	Nitrobenzene-d5	33	35	115
EX180C	Bldg 180C	Soil/Solid	12/4/95	8021	12/11/95	12/11/95	1	VS001	PID0110	Bromofluorobenzene	22	50	150
SP180C	Bldg 180C	Soil/Solid	12/4/95	8021	12/11/95	12/11/95	1	VS001	PID0108	Bromofluorobenzene	18	50	150
SP180C	Bldg 180C	Soil/Solid	12/4/95	8270	12/7/95	12/11/95	1	S001	GCM0170	Nitrobenzene-d5	124	35	115
SP1810A	Bldg 1810	Soil/Solid	8/6/96	8270	8/12/96	8/19/96	1	S043	GCM3018	Terphenyl-d14	170	30	140
EX2015-LQ	Bldg 2015	Aqueous	5/6/96	8021	5/7/96	5/7/96	1	VW07	PID1867	Bromofluorobenzene	278	50	150
EX2335-LQ3	Bldg 2335	Aqueous	6/26/96	8270	7/1/96	7/2/96	1	L007	GCM	1,2-Dichlorobenzene-d4	11	35	115
EX2335-LQ3	Bldg 2335	Aqueous	6/26/96	8270	7/1/96	7/2/96	1	L007	GCM	2-Fluorobiphenyl	11	40	115
EX2335-LQ3	Bldg 2335	Aqueous	6/26/96	8270	7/1/96	7/2/96	1	L007	GCM	Nitrobenzene-d5	12	35	115
EX2335-LQ3	Bldg 2335	Aqueous	6/26/96	8270	7/1/96	7/2/96	1	L007	GCM	Terphenyl-d14	15	30	140
EX2335-LQ4	Bldg 2335	Aqueous	8/2/96	8270	8/8/96	8/18/96	1	L011	GCM2991	1,2-Dichlorobenzene-d4	10	35	115
EX2335-LQ4	Bldg 2335	Aqueous	8/2/96	8270	8/8/96	8/18/96	1	L011	GCM2991	2-Fluorobiphenyl	11	40	115
EX2335-LQ4	Bldg 2335	Aqueous	8/2/96	8270	8/8/96	8/18/96	1	L011	GCM2991	Nitrobenzene-d5	11	35	115
EX2335-LQ4	Bldg 2335	Aqueous	8/2/96	8270	8/8/96	8/18/96	1	L011	GCM2991	Terphenyl-d14	15	30	140
EX2335A-LQ	Bldg 2335	Aqueous	12/7/95	8270	12/9/95	12/10/95	1	L001	GCM0161	Nitrobenzene-d5	116	35	115

NOTE: The approved QAPP's QA objectives allows up to two surrogates outside of acceptance limits

SampleID	Site ID	Matrix	Date	Test	Extracted	Analyzed	Dilution	QC Batch	Data File	Parameter	% Rec.	Lo Lim.	Hi Lim.
EX2335B	Bldg 2335	Soil/Solid	12/11/95	8021	12/14/95	12/14/95	1	VS003	PID0162	Bromofluorobenzene	269	50	150
EX2335F	Bldg 2335	Soil/Solid	12/12/95	8021	12/14/95	12/14/95	1	VS003	PID0164	Bromofluorobenzene	7	50	150
EX2335G	Bldg 2335	Soil/Solid	12/12/95	8021	12/14/95	12/14/95	1	VS003	PID0167	Bromofluorobenzene	274	50	150
EX2335H	Bldg 2335	Soil/Solid	12/19/95	8021	12/20/95	12/20/95	1	VS004	PID0270	Bromofluorobenzene	163	50	150
EX2335H-LQ	Bldg 2335	Aqueous	12/19/95	8021	12/20/95	12/20/95	1	VW003	PID0272	Bromofluorobenzene	28	50	150
EXGS-1	Bldg 2335	Soil/Solid	12/4/95	8021	12/11/95	12/11/95	1	VS001	PID0107	Bromofluorobenzene	44	50	150
EXGS-1	Bldg 2335	Soil/Solid	12/4/95	8270	12/7/95	12/9/95	1	S001	GCM0142	Nitrobenzene-d5	125	35	115
SP2335A	Bldg 2335	Soil/Solid	12/7/95	8021	12/12/95	12/12/95	1	VS002	PID0122	Bromofluorobenzene	535	50	150
SS2335	Bldg 2335	Soil/Solid	12/13/95	8270	12/14/95	12/17/95	1	S003	GCM0247	1,2-Dichlorobenzene-d4	32	35	115
EX2380-LQ1	Bldg 2380	Aqueous	5/8/96	8270	5/17/96	5/22/96	1	L003	GCM2009	1,2-Dichlorobenzene-d4	21	35	115
EX2380-LQ1	Bldg 2380	Aqueous	5/8/96	8270	5/17/96	5/22/96	1	L003	GCM2009	2-Fluorobiphenyl	38	40	115
EX2380-LQ1	Bldg 2380	Aqueous	5/8/96	8270	5/17/96	5/22/96	1	L003	GCM2009	Nitrobenzene-d5	24	35	115
EX2385-1	Bldg 2385	Soil/Solid	5/30/96	8270	5/31/96	6/8/96	1	S034	GCM2177	1,2-Dichlorobenzene-d4	17	35	115
EX2542-1	Bldg 2542	Soil/Solid	5/17/96	8021	5/22/96	5/22/96	1	VS031	PID1974	Bromofluorobenzene	313	50	150
EX2542-LQ1	Bldg 2542	Aqueous	5/17/96	8021	5/23/96	5/23/96	1	VW008	PID1993	Bromofluorobenzene	408	50	150
SP2542-1	Bldg 2542	Soil/Solid	5/17/96	8021	5/22/96	5/22/96	1	VS031	PID1973	Bromofluorobenzene	219	50	150
EXOWS2548-LQ	Bldg 2548	Aqueous	6/11/96	8270	6/17/96	6/20/96	1	L006		1,2-Dichlorobenzene-d4	15	35	115
EXOWS2548-LQ	Bldg 2548	Aqueous	6/11/96	8270	6/17/96	6/20/96	1	L006		2-Fluorobiphenyl	17	40	115
EXOWS2548-LQ	Bldg 2548	Aqueous	6/11/96	8270	6/17/96	6/20/96	1	L006		Nitrobenzene-d5	13	35	115
EXOWS2548-LQ	Bldg 2548	Aqueous	6/11/96	8270	6/17/96	6/20/96	1	L006		Terphenyl-d14	29	30	140
EX2555LQ	Bldg 2555	Aqueous	9/12/96	8021	9/16/96	9/16/96	1	VW017	PID3432	Bromofluorobenzene	153	50	150
SP2640-B	Bldg 2640	Soil/Solid	4/23/96	8270	4/24/96	4/30/96	1	S028	GCM1771	Terphenyl-d14	146	30	140
SP2640-BDUP	Bldg 2640	Soil/Solid	4/23/96	8270	4/24/96	4/30/96	1	S028	GCM1772	Terphenyl-d14	261	30	140
EX2658-LQ2	Bldg 2658	Aqueous	8/1/96	8270	8/6/96	8/18/96	1	L011	GCM2980	1,2-Dichlorobenzene-d4	31	35	115
EX2658-LQ2	Bldg 2658	Aqueous	8/1/96	8270	8/6/96	8/18/96	1	L011	GCM2980	2-Fluorobiphenyl	39	40	115
EX2700-2DUP	Bldg 2700	Soil/Solid	7/25/96	8270	8/6/96	8/13/96	1	S043	GCM2884	1,2-Dichlorobenzene-d4	29	35	115
ER081496	Bldg 2704	Aqueous	8/14/96	8270	8/15/96	8/20/96	1	L012	GCM3047	1,2-Dichlorobenzene-d4	27	35	115
ER081496	Bldg 2704	Aqueous	8/14/96	8270	8/15/96	8/20/96	1	L012	GCM3047	2-Fluorobiphenyl	34	40	115
EX2704-1	Bldg 2704	Soil/Solid	6/28/96	8270	7/9/96	7/10/96	1	S040	GCM2499	1,2-Dichlorobenzene-d4	32	35	115
EX2704-LQ	Bldg 2704	Aqueous	6/28/96	8270	7/2/96	8/13/96	1	L007	GCM2877	2-Fluorobiphenyl	119	40	115
EX2704-LQ	Bldg 2704	Aqueous	6/28/96	8270	7/2/96	8/13/96	1	L007	GCM2877	Nitrobenzene-d5	128	35	115
EX2704-LQ	Bldg 2704	Aqueous	6/28/96	8270	7/2/96	8/13/96	1	L007	GCM2877	Terphenyl-d14	144	30	140
EX2704-LQ3	Bldg 2704	Aqueous	8/14/96	8270	8/15/96	8/20/96	1	L012	GCM3049	1,2-Dichlorobenzene-d4	19	35	115
EX2704-LQ3	Bldg 2704	Aqueous	8/14/96	8270	8/15/96	8/20/96	1	L012	GCM3049	2-Fluorobiphenyl	24	40	115
EX2704-LQ3	Bldg 2704	Aqueous	8/14/96	8270	8/15/96	8/20/96	1	L012	GCM3049	Nitrobenzene-d5	25	35	115
EX2704-LQ3	Bldg 2704	Aqueous	8/14/96	8270	8/15/96	8/20/96	1	L012	GCM3049	Terphenyl-d14	26	30	140
EX3190-1	Bldg 3190	Soil/Solid	4/24/96	8270	4/24/96	5/1/96	1	S028	GCM1779	Terphenyl-d14	148	30	140
EX3190-1DUP	Bldg 3190	Soil/Solid	4/24/96	8270	5/9/96	5/9/96	1	S031	GCM1891	Terphenyl-d14	148	30	140
EX3190-LQ	Bldg 3190	Aqueous	4/24/96	8270	4/29/96	5/1/96	1	L003	GCM1784	1,2-Dichlorobenzene-d4	26	35	115

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SampleID	Site ID	Matrix	Date	Test	Extracted	Analyzed	Dilution	QC Batch	Data File	Parameter	% Rec.	Lo Lim.	Hi Lim.
EX3190-LQ	Bldg 3190	Aqueous	4/24/96	8270	4/29/96	5/1/96	1	L003	GCM1784	2-Fluorobiphenyl	35	40	115
EX3190-LQ	Bldg 3190	Aqueous	4/24/96	8270	4/29/96	5/1/96	1	L003	GCM1784	Nitrobenzene-d5	34	35	115
SP3190-1	Bldg 3190	Soil/Solid	4/24/96	8270	4/24/96	5/1/96	1	S028	GCM1778	1,2-Dichlorobenzene-d4	29	35	115
EX3218-1	Bldg 3218	Soil/Solid	4/25/96	8021	4/26/96	4/26/96	1	VS029	PID1817	Bromofluorobenzene	43	50	150
SP3300-1	Bldg 3300	Soil/Solid	4/25/96	8270	5/1/96	5/2/96	1	S029	GCM1800	1,2-Dichlorobenzene-d4	35	35	115
EXOWS3400B	Bldg 3400	Soil/Solid	9/16/96	8021	9/25/96	9/25/96	1	VS046	PID3618	Bromofluorobenzene	41	50	150
SP3410-1	Bldg 3410	Soil/Solid	4/30/96	8021	5/6/96	5/6/96	1	VS029	PID1848	Bromofluorobenzene	47	50	150
EX3426-1	Bldg 3426	Soil/Solid	6/28/96	8270	7/9/96	7/10/96	1	S039	GCM2059	1,2-Dichlorobenzene-d4	19	35	115
EX3426-DUP	Bldg 3426	Soil/Solid	6/28/96	8270	7/9/96	7/10/96	1	S039	GCM2514	1,2-Dichlorobenzene-d4	1	35	115
EX3426-DUP	Bldg 3426	Soil/Solid	6/28/96	8270	7/9/96	7/10/96	1	S039	GCM2514	2-Fluorobiphenyl	27	40	115
EX3426-DUP	Bldg 3426	Soil/Solid	6/28/96	8270	7/9/96	7/10/96	1	S039	GCM2514	Nitrobenzene-d5	15	35	115
SP408-1	Bldg 408	Soil/Solid	3/25/96	8021	4/2/96	4/2/96	1	VS026	PID1593	Bromofluorobenzene	30	50	150
EX426-1	Bldg 426	Soil/Solid	6/4/96	8270	6/8/96	6/10/96	1	SO34	GCM2198	1,2-Dichlorobenzene-d4	28	35	115
SP426-1	Bldg 426	Soil/Solid	6/4/96	8270	6/8/96	6/10/96	1	S034	GCM2197	1,2-Dichlorobenzene-d4	27	35	115
EX492-1	Bldg 492	Soil/Solid	5/6/96	8021	5/14/96	5/14/96	1	VS029	PID1879	Bromofluorobenzene	42	50	150
SP492-1	Bldg 492	Soil/Solid	5/6/96	8021	5/14/96	5/14/96	1	VS029	PID1878	Bromofluorobenzene	33	50	150
SP5020-1	Bldg 5020	Soil/Solid	5/16/96	8021	5/22/96	5/22/96	1	VS031	PID1971	Bromofluorobenzene	296	50	150
EX505-N	Bldg 505	Soil/Solid	12/6/95	8021	12/11/95	12/11/95	1	S001	PID0093	Bromofluorobenzene	42	50	150
EX509	Bldg 509	Soil/Solid	5/21/96	8021	5/23/96	5/23/96	1	VS031	PID1997	Bromofluorobenzene	36	50	150
EX509-1	Bldg 509	Soil/Solid	5/1/96	8021	5/1/96	5/1/96	1	VS029		Bromofluorobenzene	46	50	150
SP509	Bldg 509	Soil/Solid	5/21/96	8021	5/23/96	5/23/96	1	VS031	PID1998	Bromofluorobenzene	33	50	150
SP509-1	Bldg 509	Soil/Solid	5/1/96	8021	5/7/96	5/7/96	1	VS029	PID1860	Bromofluorobenzene	49	50	150
EX610-B	Bldg 610	Soil/Solid	12/7/95	8021	12/12/95	12/12/95	1	VS002	PID0120	Bromofluorobenzene	25	50	150
EX610-B	Bldg 610	Soil/Solid	12/7/95	8270	12/9/95	12/12/95	1	S002	GCM0188	1,2-Dichlorobenzene-d4	30	35	115
EX610-NE	Bldg 610	Soil/Solid	12/7/95	8021	12/11/95	12/11/95	1	VS001	PID0111	Bromofluorobenzene	18	50	150
EX610-NE	Bldg 610	Soil/Solid	12/7/95	8270	12/9/95	12/11/95	1	S002	GCM0180	1,2-Dichlorobenzene-d4	0	35	115
EX610-NW	Bldg 610	Soil/Solid	12/7/95	8021	12/11/95	12/11/95	1	VS002	PID0113	Bromofluorobenzene	12	50	150
EX610-SE	Bldg 610	Soil/Solid	12/7/95	8021	12/11/95	12/11/95	1	VS002	PID0112	Bromofluorobenzene	12	50	150
EX610-SW	Bldg 610	Soil/Solid	12/7/95	8021	12/12/95	12/12/95	1	VS002	PID0119	Bromofluorobenzene	28	50	150
SP610-1	Bldg 610	Soil/Solid	12/7/95	8021	12/12/95	12/12/95	1	VS002	PID0124	Bromofluorobenzene	19	50	150
SP610-1	Bldg 610	Soil/Solid	12/7/95	8270	12/9/95	12/12/95	1	S002	GCM0190	1,2-Dichlorobenzene-d4	23	35	115
EX614-2	Bldg 614	Soil/Solid	5/16/96	8021	5/23/96	5/23/96	1	VS031	PID1994	Bromofluorobenzene	46	50	150
SP614-1	Bldg 614	Soil/Solid	12/8/95	8021	12/12/95	12/12/95	1	VS002	PID0128	Bromofluorobenzene	47	50	150
EX640-B	Bldg 640	Soil/Solid	12/11/95	8021	12/12/95	12/12/95	1	S002	PID0133	Bromofluorobenzene	333	50	150
EX640-S	Bldg 640	Soil/Solid	12/11/95	8021	12/12/95	12/12/95	1	S002	PID0134	Bromofluorobenzene	47	50	150
EX640-S	Bldg 640	Soil/Solid	12/11/95	8270	12/12/95	12/14/95	1	S002	GCM214	1,2-Dichlorobenzene-d4	27	35	115
EX640-S	Bldg 640	Soil/Solid	12/11/95	8270	12/12/95	12/14/95	1	S002	GCM214	2-Fluorobiphenyl	38	40	115
EX640-S	Bldg 640	Soil/Solid	12/11/95	8270	12/12/95	12/14/95	1	S002	GCM214	Terphenyl-d14	26	30	140
EX640-W	Bldg 640	Soil/Solid	12/11/95	8021	12/12/96	12/12/96	1		PID0135	Bromofluorobenzene	41	50	150

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SampleID	Site ID	Matrix	Date	Test	Extracted	Analyzed	Dilution	QC Batch	Data File	Parameter	% Rec.	Lo Lim.	Hi Lim.
SP640-1	Bldg 640	Soil/Solid	12/11/95	8021	12/12/95	12/12/95	1	VS002	PID0132	Bromofluorobenzene	33	50	150
SP646-1	Bldg 646	Soil/Solid	12/12/95	8021	12/14/95	12/14/95	1	VS003	PID0171	Bromofluorobenzene	29	50	150
BT-01-LQ	FRAC	Aqueous	6/13/96	8021	6/13/96	6/13/96	1	VW009	PID2243	Bromofluorobenzene	152	50	150
BT-03	FRAC	Aqueous	8/2/96	8270	8/2/96	8/15/96	1	L010	GCM2935	1,2-Dichlorobenzene-d4	31	35	115
EX200-C	MFH200	Soil/Solid	12/18/95	8270	12/27/95	12/28/95	1	S004	GCM0346	1,2-Dichlorobenzene-d4	22	35	115
SPMFH200A	MFH200A	Soil/Solid	7/30/96	8270	8/5/96	8/19/96	1	S043	GCM3008	Terphenyl-d14	160	30	140
EX201-C	MFH201	Soil/Solid	12/19/95	8270	12/27/95	12/28/95	1	S004	GCM0348	1,2-Dichlorobenzene-d4	28	35	115
EX204-C	MFH204	Soil/Solid	12/15/95	8270	12/19/95	12/20/95	1	S004	GCM0318	1,2-Dichlorobenzene-d4	34	35	115
EX204-LQ	MFH204	Aqueous	1/4/96	8270	1/9/96	1/9/96	1	L001	GCM0395	1,2-Dichlorobenzene-d4	220	35	115
EX204-LQ	MFH204	Aqueous	1/4/96	8270	1/9/96	1/9/96	1	L001	GCM0395	Nitrobenzene-d5	218	35	115
EXMFH204B	MFH204B	Soil/Solid	8/5/96	8270	8/12/96	8/20/96	1	S044	GCM3056	Terphenyl-d14	154	30	140
EXMFH204B-DU	MFH204B	Soil/Solid	8/5/96	8270	8/12/96	8/21/96	1	S044	GCM3061	Terphenyl-d14	151	30	140
SPMFH204B	MFH204B	Soil/Solid	8/5/96	8270	8/12/96	8/19/96	1	S043	GCM3019	Nitrobenzene-d5	127	35	115
SPMFH204B	MFH204B	Soil/Solid	8/5/96	8270	8/12/96	8/19/96	1	S043	GCM3019	Terphenyl-d14	143	30	140
EX208LQ-2	MFH208	Aqueous	1/16/96	8270	1/17/96	1/18/96	1	L01	GCM0421	1,2-Dichlorobenzene-d4	254	35	115
EX208LQ-2	MFH208	Aqueous	1/16/96	8270	1/17/96	1/18/96	1	L01	GCM0421	Nitrobenzene-d5	195	35	115
EXMFH208B	MFH208B	Soil/Solid	8/6/96	8270	8/13/96	8/21/96	1	S044	GCM3062	Terphenyl-d14	144	30	140
EX209-C	MFH209	Soil/Solid	12/18/95	8270	12/27/95	12/28/95	1	S004	GCM0342	1,2-Dichlorobenzene-d4	24	35	115
SP212-1	MFH212	Soil/Solid	12/8/95	8021	12/12/95	12/12/95	1	VS002	PID0130	Bromofluorobenzene	40	50	150
EX213-LQ	MFH213	Aqueous	1/4/96	8270	1/9/96	1/9/96	1	L001	GCM0394	1,2-Dichlorobenzene-d4	184	35	115
EX213-LQ	MFH213	Aqueous	1/4/96	8270	1/9/96	1/9/96	1	L001	GCM0394	Nitrobenzene-d5	137	35	115
EX217-C	MFH217	Soil/Solid	12/18/95	8270	12/27/95	12/28/95	1	S004	GCM0345	1,2-Dichlorobenzene-d4	23	35	115
EXMFH217-LQ	MFH217	Aqueous	1/22/96	8270	1/24/96	1/24/96	1	LO1	GCM0448	1,2-Dichlorobenzene-d4	28	35	115
EXMFH217-LQ	MFH217	Aqueous	1/22/96	8270	1/24/96	1/24/96	1	LO1	GCM0448	Nitrobenzene-d5	1	35	115
EXMFH217-LQ	MFH217	Aqueous	1/22/96	8270	1/24/96	1/24/96	1	LO1	GCM0448	Terphenyl-d14	27	30	140
SP220-1	MFH220	Soil/Solid	12/5/95	8270	12/9/95	12/13/95	1	S002	GCM0200	1,2-Dichlorobenzene-d4	28	35	115
EX221B-2LQ	MFH221B	Aqueous	2/1/96	8270	2/2/96	2/7/96	1	L01	GCM0532	1,2-Dichlorobenzene-d4	0	35	115
EX221B-2LQ	MFH221B	Aqueous	2/1/96	8270	2/2/96	2/7/96	1	L01	GCM0532	2-Fluorobiphenyl	10	40	115
EX221B-2LQ	MFH221B	Aqueous	2/1/96	8270	2/2/96	2/7/96	1	L01	GCM0532	Nitrobenzene-d5	1	35	115
EX221B-2LQ	MFH221B	Aqueous	2/1/96	8270	2/2/96	2/7/96	1	L01	GCM0532	Terphenyl-d14	23	30	140
EX221B-3LQ	MFH221B	Aqueous	2/8/96	8270	2/8/96	2/9/96	1	L01	GCM0552	1,2-Dichlorobenzene-d4	32	35	115
EX221B-3LQ	MFH221B	Aqueous	2/8/96	8270	2/8/96	2/9/96	1	L01	GCM0552	Nitrobenzene-d5	0	35	115
EX221B-3LQ	MFH221B	Aqueous	2/8/96	8270	2/8/96	2/9/96	1	L01	GCM0552	Terphenyl-d14	0	30	140
SP225-1	MFH225	Soil/Solid	12/8/95	8021	12/12/95	12/12/95	1	VS002	PID0126	Bromofluorobenzene	40	50	150
EX229-LQ	MFH229	Aqueous	12/7/95	8270	12/11/95	12/11/95	1	L001	GCM0179	1,2-Dichlorobenzene-d4	30	35	115
EX229-LQ	MFH229	Aqueous	12/7/95	8270	12/11/95	12/11/95	1	L001	GCM0179	2-Fluorobiphenyl	34	40	115
ER081296	MFH229A	Aqueous	8/12/96	8270	8/15/96	8/20/96	1	L012	GCM3037	1,2-Dichlorobenzene-d4	28	35	115
ER081296	MFH229A	Aqueous	8/12/96	8270	8/15/96	8/20/96	1	L012	GCM3037	2-Fluorobiphenyl	33	40	115
EXMFH229A-LQ	MFH229A	Aqueous	8/12/96	8270	8/15/96	8/20/96	1	L012	GCM3048	1,2-Dichlorobenzene-d4	32	35	115

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SampleID	Site ID	Matrix	Date	Test	Extracted	Analyzed	Dilution	QC Batch	Data File	Parameter	% Rec.	Lo Lim.	Hi Lim.
EXMFH229A-LQ	MFH229A	Aqueous	8/12/96	8270	8/15/96	8/20/96	1	L012	GCM3048	2-Fluorobiphenyl	39	40	115
EXMFH237B-LQ	MFH237B	Aqueous	8/12/96	8270	8/15/96	8/20/96	1	L012	GCM3038	1,2-Dichlorobenzene-d4	27	35	115
EX241-LQ	MFH241A	Aqueous	12/5/95	8021	12/10/95	12/10/95	1	VW001	PID0077	Bromofluorobenzene	442	50	150
SP241-1	MFH241A	Soil/Solid	12/5/95	8021	12/11/95	12/11/95	1	VS001	PID0104	Bromofluorobenzene	24	50	150
SPMFH800-3	MFH800	Soil/Solid	8/13/96	8270	8/23/96	8/26/96	1	S045	GCM3137	2-Fluorobiphenyl	37	40	115
SP805A	MFH805A	Soil/Solid	2/23/96	8021	2/28/96	2/28/96	1	VS011	PID0822	Bromofluorobenzene	48	50	150
SPMFH809B	MFH809B	Soil/Solid	8/20/96	8270	8/26/96	8/27/96	1	S046	GCM3157	1,2-Dichlorobenzene-d4	33	35	115
EXMFH813B	MFH813B	Soil/Solid	8/21/96	8270	8/26/96	8/27/96	1	S046	GCM3165	1,2-Dichlorobenzene-d4	33	35	115
EXMFH813B	MFH813B	Soil/Solid	8/21/96	8270	8/26/96	8/27/96	1	S046	GCM3165	Nitrobenzene-d5	30	35	115
EX825A-1	MFH825A	Soil/Solid	3/4/96	8270	3/4/96	3/7/96	1	S013	GCM0951	1,2-Dichlorobenzene-d4	28	35	115
EX825B-DUP	MFH825B	Soil/Solid	2/26/96	8021	2/28/96	2/28/96	1	VS011	PID0821	Bromofluorobenzene	36	50	150
EX825B-DUP	MFH825B	Soil/Solid	2/26/96	8270	2/26/96	2/28/96	1	S009	GCM0750	1,2-Dichlorobenzene-d4	34	35	115
SP825B-DUP	MFH825B	Soil/Solid	2/26/96	8021	2/28/96	2/28/96	1	VS011	PID0820	Bromofluorobenzene	41	50	150
EX829-B1	MFH829B	Soil/Solid	3/4/96	8270	3/4/96	3/7/96	1	S012	GCM0950	1,2-Dichlorobenzene-d4	25	35	115
EXMFH844A	MFH844A	Soil/Solid	8/21/96	8021	8/27/96	8/27/96	1	VS043	PID3185	Bromofluorobenzene	41	50	150
SPMFH844A	MFH844A	Soil/Solid	8/21/96	8021	8/27/96	8/27/96	1	VS043	PID3192	Bromofluorobenzene	38	50	150
SPMFH848A	MFH848A	Soil/Solid	8/21/96	8270	8/27/96	8/28/96	1	S046	GCM3176	1,2-Dichlorobenzene-d4	25	35	115
SPMFH848A	MFH848A	Soil/Solid	8/21/96	8270	8/27/96	8/28/96	1	S046	GCM3176	Nitrobenzene-d5	29	35	115
EXMFH861B-LQ	MFH861B	Aqueous	8/28/96	8270	9/5/96	9/10/96	1	L013	GCM3232	1,2-Dichlorobenzene-d4	33	35	115
EXMFH875B-LQ	MFH875B	Aqueous	8/29/96	8270	9/5/96	9/10/96	1	L013	GCM3248	1,2-Dichlorobenzene-d4	20	35	115
EXMFH875B-LQ	MFH875B	Aqueous	8/29/96	8270	9/5/96	9/10/96	1	L013	GCM3248	2-Fluorobiphenyl	36	40	115
EXMFH880A-2	MFH880A	Soil/Solid	9/9/96	8021	9/20/96	9/20/96	1	VS045	PID3545	Bromofluorobenzene	41	50	150
SPMFH881A	MFH881A	Soil/Solid	9/5/96	8021	9/17/96	9/17/96	1	VS045	PID3470	Bromofluorobenzene	45	50	150
EXMFH900BDUP	MFH900B	Soil/Solid	9/17/96	8270	9/18/96	9/20/96	1	S050	GCM3441	1,2-Dichlorobenzene-d4	21	35	115
EXMFH900BDUP	MFH900B	Soil/Solid	9/17/96	8270	9/18/96	9/20/96	1	S050	GCM3441	Nitrobenzene-d5	27	35	115
EXMFH908A-2	MFH908A	Soil/Solid	9/11/96	8021	9/23/96	9/23/96	1	VS046	PID3573	Bromofluorobenzene	44	50	150
SPMFH908A-2	MFH908A	Soil/Solid	9/11/96	8021	9/23/96	9/23/96	1	VS046	PID3572	Bromofluorobenzene	38	50	150
EX924A-LQ	MFH924A	Aqueous	3/15/96	8270	3/21/96	3/28/96	1	L002	GCM1386	2-Fluorobiphenyl	122	40	115
EX924A-LQ	MFH924A	Aqueous	3/15/96	8270	3/21/96	3/28/96	1	L002	GCM1386	Nitrobenzene-d5	167	35	115
EXMFH928A-2	MFH928A	Soil/Solid	9/13/96	8021	9/23/96	9/23/96	1	VS046	PID3574	Bromofluorobenzene	35	50	150
EXMFH928A-LQ	MFH928A	Aqueous	8/27/96	8270	8/28/96	9/9/96	1	L013	GCM3233	1,2-Dichlorobenzene-d4	15	35	115
EXMFH928A-LQ	MFH928A	Aqueous	8/27/96	8270	8/28/96	9/9/96	1	L013	GCM3233	2-Fluorobiphenyl	38	40	115
EXMFH928A-LQ	MFH928A	Aqueous	8/27/96	8270	8/28/96	9/9/96	1	L013	GCM3233	Nitrobenzene-d5	20	35	115
SPMFH928A-2	MFH928A	Soil/Solid	9/13/96	8021	9/23/96	9/23/96	1	VS046	PID3575	Bromofluorobenzene	46	50	150
EXMFH928B-2	MFH928B	Soil/Solid	9/12/96	8021	9/20/96	9/20/96	1	VS046	PID3579	Bromofluorobenzene	47	50	150
SPMFH928B-2	MFH928B	Soil/Solid	9/12/96	8021	9/20/96	9/20/96	1	VS046	PID3578	Bromofluorobenzene	36	50	150
EXMFH960	MFH960	Soil/Solid	1/18/96	8270	1/29/96	1/30/96	1	S005	GCM0478	1,2-Dichlorobenzene-d4	26	35	115
EXMFH960	MFH960	Soil/Solid	1/18/96	8270	1/29/96	1/30/96	1	S005	GCM0478	2-Fluorobiphenyl	33	40	115
EXMFH960	MFH960	Soil/Solid	1/18/96	8270	1/29/96	1/30/96	1	S005	GCM0478	Nitrobenzene-d5	23	35	115

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SampleID	Site ID	Matrix	Date	Test	Extracted	Analyzed	Dilution	QC Batch	Data File	Parameter	% Rec.	Lo Lim.	Hi Lim.
EXMFH960L	MFH960	Aqueous	1/18/96	8270	1/19/96	1/24/96	1	L01	GCM0447	1,2-Dichlorobenzene-d4	188	35	115
EXMFH960L	MFH960	Aqueous	1/18/96	8270	1/19/96	1/24/96	1	L01	GCM0447	2-Fluorobiphenyl	12647	40	115
EXMFH960L	MFH960	Aqueous	1/18/96	8270	1/19/96	1/24/96	1	L01	GCM0447	Nitrobenzene-d5	5322	35	115
EXMFH960L	MFH960	Aqueous	1/18/96	8270	1/19/96	1/24/96	1	L01	GCM0447	Terphenyl-d14	1460	30	140
EX2700-LQ	OWS2700	Aqueous	4/1/96	8270	4/8/96	4/10/96	1	L002	GCM1577	2-Fluorobiphenyl	121	40	115
EX2700-LQ	OWS2700	Aqueous	4/1/96	8270	4/8/96	4/10/96	1	L002	GCM1577	Nitrobenzene-d5	116	35	115
EX2700-LQ	OWS2700	Aqueous	4/1/96	8270	4/8/96	4/10/96	1	L002	GCM1577	Terphenyl-d14	156	30	140
SP2700	OWS2700	Soil/Solid	4/1/96	8270	4/1/96	4/2/96	1			1,2-Dichlorobenzene-d4	0	35	115

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APPENDIX E3
"R" FLAGGED DATA

'R' FLAGGED DATA

Tank ID	Site ID	SampleID	Matrix	Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units	Lab
UST-200A-A	MFH200A	EXMFH200A	Soil/Solid	7/30/96	8021	8/14/96	8/14/96	MTBE	1000	NA	R	40	ng/g	on-site
UST-200A-A	MFH200A	EXMFH200A	Soil/Solid	7/30/96	8021	8/14/96	8/14/96	Benzene	14	5.0	R	5	ng/g	on-site
UST-200A-A	MFH200A	EXMFH200A	Soil/Solid	7/30/96	8021	8/14/96	8/14/96	Trichloroethylene	700	NA	R	5	ng/g	on-site
UST-200A-A	MFH200A	EXMFH200A	Soil/Solid	7/30/96	8021	8/14/96	8/14/96	Toluene	100	4.8	JBR	5	ng/g	on-site
UST-200A-A	MFH200A	EXMFH200A	Soil/Solid	7/30/96	8021	8/14/96	8/14/96	Ethylbenzene	100	4.1	JBR	5	ng/g	on-site
UST-200A-A	MFH200A	EXMFH200A	Soil/Solid	7/30/96	8021	8/14/96	8/14/96	m,p-Xylene	100	4.0	JR	5	ng/g	on-site
UST-200A-A	MFH200A	EXMFH200A	Soil/Solid	7/30/96	8021	8/14/96	8/14/96	o-Xylene	100	4.0	JBR	5	ng/g	on-site
UST-200A-A	MFH200A	SPMFH200A	Soil/Solid	7/30/96	8021	8/14/96	8/14/96	MTBE	1000	NA	R	40	ng/g	on-site
UST-200A-A	MFH200A	SPMFH200A	Soil/Solid	7/30/96	8021	8/14/96	8/14/96	Benzene	14	3.0	JR	5	ng/g	on-site
UST-200A-A	MFH200A	SPMFH200A	Soil/Solid	7/30/96	8021	8/14/96	8/14/96	Trichloroethylene	700	NA	R	5	ng/g	on-site
UST-200A-A	MFH200A	SPMFH200A	Soil/Solid	7/30/96	8021	8/14/96	8/14/96	Toluene	100	4.0	JBR	5	ng/g	on-site
UST-200A-A	MFH200A	SPMFH200A	Soil/Solid	7/30/96	8021	8/14/96	8/14/96	Ethylbenzene	100	2.9	JBR	5	ng/g	on-site
UST-200A-A	MFH200A	SPMFH200A	Soil/Solid	7/30/96	8021	8/14/96	8/14/96	m,p-Xylene	100	4.2	JR	5	ng/g	on-site
UST-200A-A	MFH200A	SPMFH200A	Soil/Solid	7/30/96	8021	8/14/96	8/14/96	o-Xylene	100	4.4	JBR	5	ng/g	on-site
UST-225B-A	MFH225B	ABMFH225B	Aqueous	8/22/96	8021	9/7/96	9/7/96	MTBE	50	NA	R	40	ug/l	on-site
UST-225B-A	MFH225B	ABMFH225B	Aqueous	8/22/96	8021	9/7/96	9/7/96	Benzene	0.70	ND	R	5	ug/l	on-site
UST-225B-A	MFH225B	ABMFH225B	Aqueous	8/22/96	8021	9/7/96	9/7/96	Trichloroethylene	5	NA	R	5	ug/l	on-site
UST-225B-A	MFH225B	ABMFH225B	Aqueous	8/22/96	8021	9/7/96	9/7/96	Toluene	5	ND	R	5	ug/l	on-site
UST-225B-A	MFH225B	ABMFH225B	Aqueous	8/22/96	8021	9/7/96	9/7/96	Ethylbenzene	5	ND	R	5	ug/l	on-site
UST-225B-A	MFH225B	ABMFH225B	Aqueous	8/22/96	8021	9/7/96	9/7/96	m,p-Xylene	5	ND	R	5	ug/l	on-site
UST-225B-A	MFH225B	ABMFH225B	Aqueous	8/22/96	8021	9/7/96	9/7/96	o-Xylene	5	ND	R	5	ug/l	on-site
UST-225B-A	MFH225B	EXMFH225B	Soil/Solid	8/22/96	8021	9/7/96	9/7/96	MTBE	1000	NA	R	40	ng/g	on-site
UST-225B-A	MFH225B	EXMFH225B	Soil/Solid	8/22/96	8021	9/7/96	9/7/96	Benzene	14	ND	R	5	ng/g	on-site
UST-225B-A	MFH225B	EXMFH225B	Soil/Solid	8/22/96	8021	9/7/96	9/7/96	Trichloroethylene	700	NA	R	5	ng/g	on-site
UST-225B-A	MFH225B	EXMFH225B	Soil/Solid	8/22/96	8021	9/7/96	9/7/96	Toluene	100	ND	R	5	ng/g	on-site
UST-225B-A	MFH225B	EXMFH225B	Soil/Solid	8/22/96	8021	9/7/96	9/7/96	Ethylbenzene	100	1.0	JR	5	ng/g	on-site
UST-225B-A	MFH225B	EXMFH225B	Soil/Solid	8/22/96	8021	9/7/96	9/7/96	m,p-Xylene	100	ND	R	5	ng/g	on-site
UST-225B-A	MFH225B	EXMFH225B	Soil/Solid	8/22/96	8021	9/7/96	9/7/96	o-Xylene	100	0.9	JR	5	ng/g	on-site
UST-800-A	MFH800	ER081396	Aqueous	8/13/96	8270	8/22/96	8/23/96	Naphthalene	10	ND	R	5	ug/l	on-site
UST-800-A	MFH800	ER081396	Aqueous	8/13/96	8270	8/22/96	8/23/96	Acenaphthene	20	ND	R	5	ug/l	on-site
UST-800-A	MFH800	ER081396	Aqueous	8/13/96	8270	8/22/96	8/23/96	Fluorene	50	ND	R	5	ug/l	on-site
UST-800-A	MFH800	ER081396	Aqueous	8/13/96	8270	8/22/96	8/23/96	Phenanthrene	50	ND	R	5	ug/l	on-site
UST-800-A	MFH800	ER081396	Aqueous	8/13/96	8270	8/22/96	8/23/96	Anthracene	50	ND	R	5	ug/l	on-site
UST-800-A	MFH800	ER081396	Aqueous	8/13/96	8270	8/22/96	8/23/96	Fluoranthene	50	ND	R	5	ug/l	on-site
UST-800-A	MFH800	ER081396	Aqueous	8/13/96	8270	8/22/96	8/23/96	Pyrene	50	ND	R	5	ug/l	on-site
UST-800-A	MFH800	ER081396	Aqueous	8/13/96	8270	8/22/96	8/23/96	Benzo(a)anthracene	0.002	ND	R	5	ug/l	on-site
UST-800-A	MFH800	ER081396	Aqueous	8/13/96	8270	8/22/96	8/23/96	Chrysene	0.002	ND	R	5	ug/l	on-site
UST-800-A	MFH800	ER081396	Aqueous	8/13/96	8270	8/22/96	8/23/96	Benzo(b)fluoranthene	0.002	ND	R	5	ug/l	on-site
UST-800-A	MFH800	ER081396	Aqueous	8/13/96	8270	8/22/96	8/23/96	Benzo(k)fluoranthene	0.002	ND	R	5	ug/l	on-site
UST-800-A	MFH800	ER081396	Aqueous	8/13/96	8270	8/22/96	8/23/96	Benzo(a)pyrene	0.002	ND	R	5	ug/l	on-site
UST-800-A	MFH800	ER081396	Aqueous	8/13/96	8270	8/22/96	8/23/96	Indeno(1,2,3-cd)pyrene	0.002	ND	R	5	ug/l	on-site
UST-800-A	MFH800	ER081396	Aqueous	8/13/96	8270	8/22/96	8/23/96	Dibenz(a,h)anthracene	50	ND	R	5	ug/l	on-site

J = estimated value below practical quantitation limit and above method detection limit
D = sample was diluted, see corresponding detection limit
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R = data rejected

Tank ID	Site ID	SampleID	Matrix	Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units	Lab
UST-800-A	MFH800	ER081396	Aqueous	8/13/96	8270	8/22/96	8/23/96	Benzo(g,h,i)perylene	0.002	ND	R	5	ug/l	on-site
UST-809B-A	MFH809B	ABMFH809B	Aqueous	8/20/96	8021	9/7/96	9/7/96	MTBE	50	NA	R	40	ug/l	on-site
UST-809B-A	MFH809B	ABMFH809B	Aqueous	8/20/96	8021	9/7/96	9/7/96	Benzene	0.70	ND	R	5	ug/l	on-site
UST-809B-A	MFH809B	ABMFH809B	Aqueous	8/20/96	8021	9/7/96	9/7/96	Trichloroethylene	5	NA	R	5	ug/l	on-site
UST-809B-A	MFH809B	ABMFH809B	Aqueous	8/20/96	8021	9/7/96	9/7/96	Toluene	5	ND	R	5	ug/l	on-site
UST-809B-A	MFH809B	ABMFH809B	Aqueous	8/20/96	8021	9/7/96	9/7/96	Ethylbenzene	5	ND	R	5	ug/l	on-site
UST-809B-A	MFH809B	ABMFH809B	Aqueous	8/20/96	8021	9/7/96	9/7/96	m,p-Xylene	5	ND	R	5	ug/l	on-site
UST-809B-A	MFH809B	ABMFH809B	Aqueous	8/20/96	8021	9/7/96	9/7/96	o-Xylene	5	ND	R	5	ug/l	on-site
UST-813A-A	MFH813A	ABMFH813A	Aqueous	8/19/96	8021	9/5/96	9/5/96	MTBE	50	NA	R	40	ug/l	on-site
UST-813A-A	MFH813A	ABMFH813A	Aqueous	8/19/96	8021	9/5/96	9/5/96	Benzene	0.70	ND	R	5	ug/l	on-site
UST-813A-A	MFH813A	ABMFH813A	Aqueous	8/19/96	8021	9/5/96	9/5/96	Trichloroethylene	5	NA	R	5	ug/l	on-site
UST-813A-A	MFH813A	ABMFH813A	Aqueous	8/19/96	8021	9/5/96	9/5/96	Toluene	5	ND	R	5	ug/l	on-site
UST-813A-A	MFH813A	ABMFH813A	Aqueous	8/19/96	8021	9/5/96	9/5/96	Ethylbenzene	5	ND	R	5	ug/l	on-site
UST-813A-A	MFH813A	ABMFH813A	Aqueous	8/19/96	8021	9/5/96	9/5/96	m,p-Xylene	5	ND	R	5	ug/l	on-site
UST-813A-A	MFH813A	ABMFH813A	Aqueous	8/19/96	8021	9/5/96	9/5/96	o-Xylene	5	ND	R	5	ug/l	on-site
UST-861B-A	MFH861B	EXMFH861B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Naphthalene	10	ND	R	5	ug/l	on-site
UST-861B-A	MFH861B	EXMFH861B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Acenaphthene	20	ND	R	5	ug/l	on-site
UST-861B-A	MFH861B	EXMFH861B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Fluorene	50	ND	R	5	ug/l	on-site
UST-861B-A	MFH861B	EXMFH861B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Phenanthrene	50	ND	R	5	ug/l	on-site
UST-861B-A	MFH861B	EXMFH861B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Anthracene	50	ND	R	5	ug/l	on-site
UST-861B-A	MFH861B	EXMFH861B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Fluoranthene	50	ND	R	5	ug/l	on-site
UST-861B-A	MFH861B	EXMFH861B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Pyrene	50	ND	R	5	ug/l	on-site
UST-861B-A	MFH861B	EXMFH861B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Benzo(a)anthracene	0.002	ND	R	5	ug/l	on-site
UST-861B-A	MFH861B	EXMFH861B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Chrysene	0.002	ND	R	5	ug/l	on-site
UST-861B-A	MFH861B	EXMFH861B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Benzo(b)fluoranthene	0.002	ND	R	5	ug/l	on-site
UST-861B-A	MFH861B	EXMFH861B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Benzo(k)fluoranthene	0.002	ND	R	5	ug/l	on-site
UST-861B-A	MFH861B	EXMFH861B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Benzo(a)pyrene	0.002	ND	R	5	ug/l	on-site
UST-861B-A	MFH861B	EXMFH861B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Indeno(1,2,3-cd)pyrene	0.002	ND	R	5	ug/l	on-site
UST-861B-A	MFH861B	EXMFH861B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Dibenz(a,h)anthracene	50	ND	R	5	ug/l	on-site
UST-861B-A	MFH861B	EXMFH861B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Benzo(g,h,i)perylene	0.002	ND	R	5	ug/l	on-site
UST-865B-A	MFH865B	EXMFH865B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Naphthalene	10	ND	R	5	ug/l	on-site
UST-865B-A	MFH865B	EXMFH865B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Acenaphthene	20	ND	R	5	ug/l	on-site
UST-865B-A	MFH865B	EXMFH865B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Fluorene	50	ND	R	5	ug/l	on-site
UST-865B-A	MFH865B	EXMFH865B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Phenanthrene	50	ND	R	5	ug/l	on-site
UST-865B-A	MFH865B	EXMFH865B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Anthracene	50	ND	R	5	ug/l	on-site
UST-865B-A	MFH865B	EXMFH865B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Fluoranthene	50	ND	R	5	ug/l	on-site
UST-865B-A	MFH865B	EXMFH865B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Pyrene	50	ND	R	5	ug/l	on-site
UST-865B-A	MFH865B	EXMFH865B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Benzo(a)anthracene	0.002	ND	R	5	ug/l	on-site
UST-865B-A	MFH865B	EXMFH865B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Chrysene	0.002	ND	R	5	ug/l	on-site
UST-865B-A	MFH865B	EXMFH865B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Benzo(b)fluoranthene	0.002	ND	R	5	ug/l	on-site
UST-865B-A	MFH865B	EXMFH865B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Benzo(k)fluoranthene	0.002	ND	R	5	ug/l	on-site
UST-865B-A	MFH865B	EXMFH865B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Benzo(a)pyrene	0.002	ND	R	5	ug/l	on-site

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D = sample was diluted, see corresponding detection limit
B = analyte was detected in an associated blank as well as in the sample
R = data rejected

'R' FLAGGED DATA

Tank ID	Site ID	SampleID	Matrix	Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units	Lab
UST-865B-A	MFH865B	EXMFH865B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Indeno(1,2,3-cd)pyrene	0.002	ND	R	5	ug/l	on-site
UST-865B-A	MFH865B	EXMFH865B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Dibenz(a,h)anthracene	50	ND	R	5	ug/l	on-site
UST-865B-A	MFH865B	EXMFH865B-LQ	Aqueous	8/28/96	8270	9/5/96	9/10/96	Benzo(g,h,i)perylene	0.002	ND	R	5	ug/l	on-site
UST-880A-A	MFH880A	EXMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Naphthalene	200	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	EXMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Acenaphthene	400	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	EXMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Fluorene	1000	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	EXMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Phenanthrene	1000	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	EXMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Anthracene	1000	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	EXMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Fluoranthene	1000	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	EXMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Pyrene	1000	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	EXMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Benzo(a)anthracene	0.04	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	EXMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Chrysene	0.04	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	EXMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Benzo(b)fluoranthene	0.04	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	EXMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Benzo(k)fluoranthene	0.04	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	EXMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Benzo(a)pyrene	0.04	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	EXMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Indeno(1,2,3-cd)pyrene	0.04	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	EXMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Dibenz(a,h)anthracene	1000	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	EXMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Benzo(g,h,i)perylene	0.04	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	SPMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Naphthalene	200	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	SPMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Acenaphthene	400	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	SPMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Fluorene	1000	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	SPMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Phenanthrene	1000	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	SPMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Anthracene	1000	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	SPMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Fluoranthene	1000	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	SPMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Pyrene	1000	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	SPMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Benzo(a)anthracene	0.04	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	SPMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Chrysene	0.04	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	SPMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Benzo(b)fluoranthene	0.04	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	SPMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Benzo(k)fluoranthene	0.04	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	SPMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Benzo(a)pyrene	0.04	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	SPMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Indeno(1,2,3-cd)pyrene	0.04	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	SPMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Dibenz(a,h)anthracene	1000	ND	R	333	ng/g	on-site
UST-880A-A	MFH880A	SPMFH880A	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Benzo(g,h,i)perylene	0.04	ND	R	333	ng/g	on-site
UST-881A-A	MFH881A	EXMFH881A-LQ	Aqueous	9/5/96	8270	9/13/96	9/16/96	Naphthalene	10	ND	R	5	ug/l	on-site
UST-881A-A	MFH881A	EXMFH881A-LQ	Aqueous	9/5/96	8270	9/13/96	9/16/96	Acenaphthene	20	ND	R	5	ug/l	on-site
UST-881A-A	MFH881A	EXMFH881A-LQ	Aqueous	9/5/96	8270	9/13/96	9/16/96	Fluorene	50	ND	R	5	ug/l	on-site
UST-881A-A	MFH881A	EXMFH881A-LQ	Aqueous	9/5/96	8270	9/13/96	9/16/96	Phenanthrene	50	ND	R	5	ug/l	on-site
UST-881A-A	MFH881A	EXMFH881A-LQ	Aqueous	9/5/96	8270	9/13/96	9/16/96	Anthracene	50	ND	R	5	ug/l	on-site
UST-881A-A	MFH881A	EXMFH881A-LQ	Aqueous	9/5/96	8270	9/13/96	9/16/96	Fluoranthene	50	ND	R	5	ug/l	on-site
UST-881A-A	MFH881A	EXMFH881A-LQ	Aqueous	9/5/96	8270	9/13/96	9/16/96	Pyrene	50	ND	R	5	ug/l	on-site
UST-881A-A	MFH881A	EXMFH881A-LQ	Aqueous	9/5/96	8270	9/13/96	9/16/96	Benzo(a)anthracene	0.002	ND	R	5	ug/l	on-site
UST-881A-A	MFH881A	EXMFH881A-LQ	Aqueous	9/5/96	8270	9/13/96	9/16/96	Chrysene	0.002	ND	R	5	ug/l	on-site

J = estimated value below practical quantitation limit and above method detection limit
D = sample was diluted, see corresponding detection limit
B = analyte was detected in an associated blank as well as in the sample
R = data rejected

Tank ID	Site ID	SampleID	Matrix	Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units	Lab
UST-881A-A	MFH881A	EXMFH881A-LQ	Aqueous	9/5/96	8270	9/13/96	9/16/96	Benzo(b)fluoranthene	0.002	ND	R	5	ug/l	on-site
UST-881A-A	MFH881A	EXMFH881A-LQ	Aqueous	9/5/96	8270	9/13/96	9/16/96	Benzo(k)fluoranthene	0.002	ND	R	5	ug/l	on-site
UST-881A-A	MFH881A	EXMFH881A-LQ	Aqueous	9/5/96	8270	9/13/96	9/16/96	Benzo(a)pyrene	0.002	ND	R	5	ug/l	on-site
UST-881A-A	MFH881A	EXMFH881A-LQ	Aqueous	9/5/96	8270	9/13/96	9/16/96	Indeno(1,2,3-cd)pyrene	0.002	ND	R	5	ug/l	on-site
UST-881A-A	MFH881A	EXMFH881A-LQ	Aqueous	9/5/96	8270	9/13/96	9/16/96	Dibenz(a,h)anthracene	50	ND	R	5	ug/l	on-site
UST-881A-A	MFH881A	EXMFH881A-LQ	Aqueous	9/5/96	8270	9/13/96	9/16/96	Benzo(g,h,i)perylene	0.002	ND	R	5	ug/l	on-site
UST-884B-A	MFH884B	EXMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Naphthalene	200	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	EXMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Acenaphthene	400	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	EXMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Fluorene	1000	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	EXMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Phenanthrene	1000	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	EXMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Anthracene	1000	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	EXMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Fluoranthene	1000	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	EXMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Pyrene	1000	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	EXMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Benzo(a)anthracene	0.04	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	EXMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Chrysene	0.04	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	EXMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Benzo(b)fluoranthene	0.04	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	EXMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Benzo(k)fluoranthene	0.04	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	EXMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Benzo(a)pyrene	0.04	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	EXMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Indeno(1,2,3-cd)pyrene	0.04	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	EXMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Dibenz(a,h)anthracene	1000	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	EXMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Benzo(g,h,i)perylene	0.04	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	SPMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Naphthalene	200	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	SPMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Acenaphthene	400	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	SPMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Fluorene	1000	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	SPMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Phenanthrene	1000	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	SPMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Anthracene	1000	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	SPMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Fluoranthene	1000	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	SPMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Pyrene	1000	65	JR	333	ng/g	on-site
UST-884B-A	MFH884B	SPMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Benzo(a)anthracene	0.04	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	SPMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Chrysene	0.04	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	SPMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Benzo(b)fluoranthene	0.04	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	SPMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Benzo(k)fluoranthene	0.04	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	SPMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Benzo(a)pyrene	0.04	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	SPMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Indeno(1,2,3-cd)pyrene	0.04	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	SPMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Dibenz(a,h)anthracene	1000	ND	R	333	ng/g	on-site
UST-884B-A	MFH884B	SPMFH884B	Soil/Solid	8/23/96	8270	9/7/96	9/12/96	Benzo(g,h,i)perylene	0.04	ND	R	333	ng/g	on-site
UST-928A-B	MFH928B	EXMFH928B-LQ	Aqueous	8/27/96	8021	9/11/96	9/11/96	MTBE	50	NA	R	40	ug/l	on-site
UST-928A-B	MFH928B	EXMFH928B-LQ	Aqueous	8/27/96	8021	9/11/96	9/11/96	Benzene	0.70	ND	R	5	ug/l	on-site
UST-928A-B	MFH928B	EXMFH928B-LQ	Aqueous	8/27/96	8021	9/11/96	9/11/96	Trichloroethylene	5	NA	R	5	ug/l	on-site
UST-928A-B	MFH928B	EXMFH928B-LQ	Aqueous	8/27/96	8021	9/11/96	9/11/96	Toluene	5	ND	R	5	ug/l	on-site
UST-928A-B	MFH928B	EXMFH928B-LQ	Aqueous	8/27/96	8021	9/11/96	9/11/96	Ethylbenzene	5	0.8	JR	5	ug/l	on-site
UST-928A-B	MFH928B	EXMFH928B-LQ	Aqueous	8/27/96	8021	9/11/96	9/11/96	m,p-Xylene	5	ND	R	5	ug/l	on-site

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D = sample was diluted, see corresponding detection limit
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R = data rejected

'R' FLAGGED DATA

Tank ID	Site ID	SampleID	Matrix	Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units	Lab
UST-928A-B	MFH928B	EXMFH928B-LQ	Aqueous	8/27/96	8021	9/11/96	9/11/96	o-Xylene	5	0.8	JR	5	ug/l	on-site
UST-1810	Bldg 1810	SP1810A-2	Soil/Solid	8/26/96	8021	9/16/96	9/16/96	Benzene	14	ND	R	5	ng/g	on-site
UST-1810	Bldg 1810	SP1810A-2	Soil/Solid	8/26/96	8021	9/16/96	9/16/96	Trichloroethylene	700	ND	R	5	ng/g	on-site
UST-1810	Bldg 1810	SP1810A-2	Soil/Solid	8/26/96	8021	9/16/96	9/16/96	Toluene	100	ND	R	5	ng/g	on-site
UST-1810	Bldg 1810	SP1810A-2	Soil/Solid	8/26/96	8021	9/16/96	9/16/96	Ethylbenzene	100	ND	R	5	ng/g	on-site
UST-1810	Bldg 1810	SP1810A-2	Soil/Solid	8/26/96	8021	9/16/96	9/16/96	m,p-Xylene	100	ND	R	5	ng/g	on-site
UST-1810	Bldg 1810	SP1810A-2	Soil/Solid	8/26/96	8021	9/16/96	9/16/96	o-Xylene	100	ND	R	5	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335H	Soil/Solid	12/19/95	8270	1/3/96	2/1/96	Naphthalene	200	ND	R	333	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335H	Soil/Solid	12/19/95	8270	1/3/96	2/1/96	Acenaphthene	400	ND	R	333	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335H	Soil/Solid	12/19/95	8270	1/3/96	2/1/96	Fluorene	1000	ND	R	333	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335H	Soil/Solid	12/19/95	8270	1/3/96	2/1/96	Phenanthrene	1000	ND	R	333	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335H	Soil/Solid	12/19/95	8270	1/3/96	2/1/96	Anthracene	1000	ND	R	333	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335H	Soil/Solid	12/19/95	8270	1/3/96	2/1/96	Fluoranthene	1000	ND	R	333	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335H	Soil/Solid	12/19/95	8270	1/3/96	2/1/96	Pyrene	1000	ND	R	333	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335H	Soil/Solid	12/19/95	8270	1/3/96	2/1/96	Benzo(a)anthracene	0.04	ND	R	666	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335H	Soil/Solid	12/19/95	8270	1/3/96	2/1/96	Chrysene	0.04	ND	R	666	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335H	Soil/Solid	12/19/95	8270	1/3/96	2/1/96	Benzo(b)fluoranthene	0.04	ND	R	666	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335H	Soil/Solid	12/19/95	8270	1/3/96	2/1/96	Benzo(k)fluoranthene	0.04	ND	R	666	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335H	Soil/Solid	12/19/95	8270	1/3/96	2/1/96	Benzo(a)pyrene	0.04	ND	R	666	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335H	Soil/Solid	12/19/95	8270	1/3/96	2/1/96	Indeno(1,2,3-cd)pyrene	0.04	ND	R	666	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335H	Soil/Solid	12/19/95	8270	1/3/96	2/1/96	Dibenz(a,h)anthracene	1000	ND	R	666	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335H	Soil/Solid	12/19/95	8270	1/3/96	2/1/96	Benzo(g,h,i)perylene	0.04	ND	R	666	ng/g	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8270	1/4/96	1/5/96	Naphthalene	10	262	R	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8270	1/4/96	1/5/96	Acenaphthene	20	ND	R	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8270	1/4/96	1/5/96	Fluorene	50	ND	R	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8270	1/4/96	1/5/96	Phenanthrene	50	5	R	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8270	1/4/96	1/5/96	Anthracene	50	ND	R	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8270	1/4/96	1/5/96	Fluoranthene	50	ND	R	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8270	1/4/96	1/5/96	Pyrene	50	ND	R	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8270	1/4/96	1/5/96	Benzo(a)anthracene	0.002	ND	R	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8270	1/4/96	1/5/96	Chrysene	0.002	ND	R	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8270	1/4/96	1/5/96	Benzo(b)fluoranthene	0.002	ND	R	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8270	1/4/96	1/5/96	Benzo(k)fluoranthene	0.002	ND	R	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8270	1/4/96	1/5/96	Benzo(a)pyrene	0.002	ND	R	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8270	1/4/96	1/5/96	Indeno(1,2,3-cd)pyrene	0.002	ND	R	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8270	1/4/96	1/5/96	Dibenz(a,h)anthracene	50	ND	R	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335H-LQ	Aqueous	12/19/95	8270	1/4/96	1/5/96	Benzo(g,h,i)perylene	0.002	ND	R	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335I-LQ	Aqueous	12/20/95	8021	1/4/96	1/4/96	MTBE	50	ND	R	40	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335I-LQ	Aqueous	12/20/95	8021	1/4/96	1/4/96	Benzene	0.70	ND	R	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335I-LQ	Aqueous	12/20/95	8021	1/4/96	1/4/96	Toluene	5	4.1	JR	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335I-LQ	Aqueous	12/20/95	8021	1/4/96	1/4/96	Ethylbenzene	5	4.8	JR	5	ug/l	on-site
11 USTs + OWS	Bldg 2335	EX2335I-LQ	Aqueous	12/20/95	8021	1/4/96	1/4/96	m,p-Xylene	5	5.7	R	5	ug/l	on-site

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Tank ID	Site ID	SampleID	Matrix	Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units	Lab
11 USTs + OWS	Bldg 2335	EX2335I-LQ	Aqueous	12/20/95	8021	1/4/96	1/4/96	o-Xylene	5	5.1	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01	Soil/Solid	7/12/96	8021	7/27/96	7/27/96	MTBE	1000	ND	R	40	ng/g	on-site
UST-2658-A	2658GP	HPGP-01	Soil/Solid	7/12/96	8021	7/27/96	7/27/96	Benzene	14	ND	R	5	ng/g	on-site
UST-2658-A	2658GP	HPGP-01	Soil/Solid	7/12/96	8021	7/27/96	7/27/96	Trichloroethylene	700	ND	R	5	ng/g	on-site
UST-2658-A	2658GP	HPGP-01	Soil/Solid	7/12/96	8021	7/27/96	7/27/96	Toluene	100	ND	R	5	ng/g	on-site
UST-2658-A	2658GP	HPGP-01	Soil/Solid	7/12/96	8021	7/27/96	7/27/96	Ethylbenzene	100	ND	R	5	ng/g	on-site
UST-2658-A	2658GP	HPGP-01	Soil/Solid	7/12/96	8021	7/27/96	7/27/96	m,p-Xylene	100	ND	R	5	ng/g	on-site
UST-2658-A	2658GP	HPGP-01	Soil/Solid	7/12/96	8021	7/27/96	7/27/96	o-Xylene	100	ND	R	5	ng/g	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8021	7/30/96	7/30/96	MTBE	50	ND	R	40	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8021	7/30/96	7/30/96	Benzene	0.70	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8021	7/30/96	7/30/96	Trichloroethylene	5	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8021	7/30/96	7/30/96	Toluene	5	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8021	7/30/96	7/30/96	Ethylbenzene	5	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8021	7/30/96	7/30/96	m,p-Xylene	5	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8021	7/30/96	7/30/96	o-Xylene	5	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8270	7/26/96	7/27/96	Naphthalene	10	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8270	7/26/96	7/27/96	Acenaphthene	20	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8270	7/26/96	7/27/96	Fluorene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8270	7/26/96	7/27/96	Phenanthrene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8270	7/26/96	7/27/96	Anthracene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8270	7/26/96	7/27/96	Fluoranthene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8270	7/26/96	7/27/96	Pyrene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8270	7/26/96	7/27/96	Benzo(a)anthracene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8270	7/26/96	7/27/96	Chrysene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8270	7/26/96	7/27/96	Benzo(b)fluoranthene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8270	7/26/96	7/27/96	Benzo(k)fluoranthene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8270	7/26/96	7/27/96	Benzo(a)pyrene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8270	7/26/96	7/27/96	Indeno(1,2,3-cd)pyrene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8270	7/26/96	7/27/96	Dibenz(a,h)anthracene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-01-LQ	Aqueous	7/12/96	8270	7/26/96	7/27/96	Benzo(g,h,i)perylene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-03-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Naphthalene	10	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-03-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Acenaphthene	20	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-03-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Fluorene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-03-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Phenanthrene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-03-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Anthracene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-03-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Fluoranthene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-03-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Pyrene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-03-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Benzo(a)anthracene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-03-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Chrysene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-03-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Benzo(b)fluoranthene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-03-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Benzo(k)fluoranthene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-03-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Benzo(a)pyrene	0.002	ND	R	5	ug/l	on-site

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'R' FLAGGED DATA

Tank ID	Site ID	SampleID	Matrix	Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units	Lab
UST-2658-A	2658GP	HPGP-03-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Indeno(1,2,3-cd)pyrene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-03-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Dibenz(a,h)anthracene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-03-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Benzo(g,h,i)perylene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-05-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Naphthalene	10	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-05-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Acenaphthene	20	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-05-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Fluorene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-05-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Phenanthrene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-05-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Anthracene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-05-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Fluoranthene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-05-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Pyrene	50	.9	JR	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-05-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Benzo(a)anthracene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-05-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Chrysene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-05-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Benzo(b)fluoranthene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-05-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Benzo(k)fluoranthene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-05-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Benzo(a)pyrene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-05-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Indeno(1,2,3-cd)pyrene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-05-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Dibenz(a,h)anthracene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-05-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Benzo(g,h,i)perylene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-07-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Naphthalene	10	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-07-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Acenaphthene	20	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-07-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Fluorene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-07-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Phenanthrene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-07-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Anthracene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-07-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Fluoranthene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-07-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Pyrene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-07-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Benzo(a)anthracene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-07-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Chrysene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-07-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Benzo(b)fluoranthene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-07-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Benzo(k)fluoranthene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-07-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Benzo(a)pyrene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-07-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Indeno(1,2,3-cd)pyrene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-07-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Dibenz(a,h)anthracene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-07-LQ	Aqueous	7/15/96	8270	7/26/96	7/27/96	Benzo(g,h,i)perylene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-09-LQ	Aqueous	7/16/96	8270	7/26/96	7/27/96	Naphthalene	10	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-09-LQ	Aqueous	7/16/96	8270	7/26/96	7/27/96	Acenaphthene	20	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-09-LQ	Aqueous	7/16/96	8270	7/26/96	7/27/96	Fluorene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-09-LQ	Aqueous	7/16/96	8270	7/26/96	7/27/96	Phenanthrene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-09-LQ	Aqueous	7/16/96	8270	7/26/96	7/27/96	Anthracene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-09-LQ	Aqueous	7/16/96	8270	7/26/96	7/27/96	Fluoranthene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-09-LQ	Aqueous	7/16/96	8270	7/26/96	7/27/96	Pyrene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-09-LQ	Aqueous	7/16/96	8270	7/26/96	7/27/96	Benzo(a)anthracene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-09-LQ	Aqueous	7/16/96	8270	7/26/96	7/27/96	Chrysene	0.002	ND	R	5	ug/l	on-site

J = estimated value below practical quantitation limit and above method detection limit
D = sample was diluted, see corresponding detection limit
B = analyte was detected in an associated blank as well as in the sample
R = data rejected

Tank ID	Site ID	SampleID	Matrix	Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units	Lab
UST-2658-A	2658GP	HPGP-09-LQ	Aqueous	7/16/96	8270	7/26/96	7/27/96	Benzo(b)fluoranthene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-09-LQ	Aqueous	7/16/96	8270	7/26/96	7/27/96	Benzo(k)fluoranthene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-09-LQ	Aqueous	7/16/96	8270	7/26/96	7/27/96	Benzo(a)pyrene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-09-LQ	Aqueous	7/16/96	8270	7/26/96	7/27/96	Indeno(1,2,3-cd)pyrene	0.002	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-09-LQ	Aqueous	7/16/96	8270	7/26/96	7/27/96	Dibenz(a,h)anthracene	50	ND	R	5	ug/l	on-site
UST-2658-A	2658GP	HPGP-09-LQ	Aqueous	7/16/96	8270	7/26/96	7/27/96	Benzo(g,h,i)perylene	0.002	ND	R	5	ug/l	on-site
OWS-2700	Bldg 2700	EX2700-2DUP	Soil/Solid	7/25/96	8021	8/9/96	8/9/96	MTBE	1000	ND	R	1	ng/g	CTM
OWS-2700	Bldg 2700	EX2700-2DUP	Soil/Solid	7/25/96	8021	8/9/96	8/9/96	Benzene	14	ND	R	0.6	ng/g	CTM
OWS-2700	Bldg 2700	EX2700-2DUP	Soil/Solid	7/25/96	8021	8/9/96	8/9/96	Trichloroethylene	700	ND	R	1	ng/g	CTM
OWS-2700	Bldg 2700	EX2700-2DUP	Soil/Solid	7/25/96	8021	8/9/96	8/9/96	Toluene	100	ND	R	1	ng/g	CTM
OWS-2700	Bldg 2700	EX2700-2DUP	Soil/Solid	7/25/96	8021	8/9/96	8/9/96	Ethylbenzene	100	ND	R	1	ng/g	CTM
OWS-2700	Bldg 2700	EX2700-2DUP	Soil/Solid	7/25/96	8021	8/9/96	8/9/96	m,p-Xylene	100	ND	R	2	ng/g	CTM
OWS-2700	Bldg 2700	EX2700-2DUP	Soil/Solid	7/25/96	8021	8/9/96	8/9/96	o-Xylene	100	ND	R	1	ng/g	CTM
UST-3190-A-2	Bldg 3190	EX3190-1DUP	Soil/Solid	4/24/96	8270	5/9/96	5/9/96	Naphthalene	200	ND	R	333	ng/g	on-site
UST-3190-A-2	Bldg 3190	EX3190-1DUP	Soil/Solid	4/24/96	8270	5/9/96	5/9/96	Acenaphthene	400	ND	R	333	ng/g	on-site
UST-3190-A-2	Bldg 3190	EX3190-1DUP	Soil/Solid	4/24/96	8270	5/9/96	5/9/96	Fluorene	1000	ND	R	333	ng/g	on-site
UST-3190-A-2	Bldg 3190	EX3190-1DUP	Soil/Solid	4/24/96	8270	5/9/96	5/9/96	Phenanthrene	1000	ND	R	333	ng/g	on-site
UST-3190-A-2	Bldg 3190	EX3190-1DUP	Soil/Solid	4/24/96	8270	5/9/96	5/9/96	Anthracene	1000	ND	R	333	ng/g	on-site
UST-3190-A-2	Bldg 3190	EX3190-1DUP	Soil/Solid	4/24/96	8270	5/9/96	5/9/96	Fluoranthene	1000	ND	R	333	ng/g	on-site
UST-3190-A-2	Bldg 3190	EX3190-1DUP	Soil/Solid	4/24/96	8270	5/9/96	5/9/96	Pyrene	1000	ND	R	333	ng/g	on-site
UST-3190-A-2	Bldg 3190	EX3190-1DUP	Soil/Solid	4/24/96	8270	5/9/96	5/9/96	Benzo(a)anthracene	0.04	ND	R	666	ng/g	on-site
UST-3190-A-2	Bldg 3190	EX3190-1DUP	Soil/Solid	4/24/96	8270	5/9/96	5/9/96	Chrysene	0.04	ND	R	666	ng/g	on-site
UST-3190-A-2	Bldg 3190	EX3190-1DUP	Soil/Solid	4/24/96	8270	5/9/96	5/9/96	Benzo(b)fluoranthene	0.04	ND	R	666	ng/g	on-site
UST-3190-A-2	Bldg 3190	EX3190-1DUP	Soil/Solid	4/24/96	8270	5/9/96	5/9/96	Benzo(k)fluoranthene	0.04	ND	R	666	ng/g	on-site
UST-3190-A-2	Bldg 3190	EX3190-1DUP	Soil/Solid	4/24/96	8270	5/9/96	5/9/96	Benzo(a)pyrene	0.04	ND	R	666	ng/g	on-site
UST-3190-A-2	Bldg 3190	EX3190-1DUP	Soil/Solid	4/24/96	8270	5/9/96	5/9/96	Indeno(1,2,3-cd)pyrene	0.04	ND	R	666	ng/g	on-site
UST-3190-A-2	Bldg 3190	EX3190-1DUP	Soil/Solid	4/24/96	8270	5/9/96	5/9/96	Dibenz(a,h)anthracene	1000	ND	R	666	ng/g	on-site
UST-3190-A-2	Bldg 3190	EX3190-1DUP	Soil/Solid	4/24/96	8270	5/9/96	5/9/96	Benzo(g,h,i)perylene	0.04	ND	R	666	ng/g	on-site
OWS-3410	Bldg 3410	SP3410-1	Soil/Solid	4/30/96	8270	5/15/96	5/18/96	Naphthalene	200	ND	R	333	ng/g	on-site
OWS-3410	Bldg 3410	SP3410-1	Soil/Solid	4/30/96	8270	5/15/96	5/18/96	Acenaphthene	400	ND	R	333	ng/g	on-site
OWS-3410	Bldg 3410	SP3410-1	Soil/Solid	4/30/96	8270	5/15/96	5/18/96	Fluorene	1000	ND	R	333	ng/g	on-site
OWS-3410	Bldg 3410	SP3410-1	Soil/Solid	4/30/96	8270	5/15/96	5/18/96	Phenanthrene	1000	255	JR	333	ng/g	on-site
OWS-3410	Bldg 3410	SP3410-1	Soil/Solid	4/30/96	8270	5/15/96	5/18/96	Anthracene	1000	ND	R	333	ng/g	on-site
OWS-3410	Bldg 3410	SP3410-1	Soil/Solid	4/30/96	8270	5/15/96	5/18/96	Fluoranthene	1000	573	R	333	ng/g	on-site
OWS-3410	Bldg 3410	SP3410-1	Soil/Solid	4/30/96	8270	5/15/96	5/18/96	Pyrene	1000	529	R	333	ng/g	on-site
OWS-3410	Bldg 3410	SP3410-1	Soil/Solid	4/30/96	8270	5/15/96	5/18/96	Benzo(a)anthracene	0.04	ND	R	666	ng/g	on-site
OWS-3410	Bldg 3410	SP3410-1	Soil/Solid	4/30/96	8270	5/15/96	5/18/96	Chrysene	0.04	ND	R	666	ng/g	on-site
OWS-3410	Bldg 3410	SP3410-1	Soil/Solid	4/30/96	8270	5/15/96	5/18/96	Benzo(b)fluoranthene	0.04	ND	R	666	ng/g	on-site
OWS-3410	Bldg 3410	SP3410-1	Soil/Solid	4/30/96	8270	5/15/96	5/18/96	Benzo(k)fluoranthene	0.04	ND	R	666	ng/g	on-site
OWS-3410	Bldg 3410	SP3410-1	Soil/Solid	4/30/96	8270	5/15/96	5/18/96	Benzo(a)pyrene	0.04	ND	R	666	ng/g	on-site
OWS-3410	Bldg 3410	SP3410-1	Soil/Solid	4/30/96	8270	5/15/96	5/18/96	Indeno(1,2,3-cd)pyrene	0.04	ND	R	666	ng/g	on-site
OWS-3410	Bldg 3410	SP3410-1	Soil/Solid	4/30/96	8270	5/15/96	5/18/96	Dibenz(a,h)anthracene	1000	ND	R	666	ng/g	on-site

J = estimated value below practical quantitation limit and above method detection limit
D = sample was diluted, see corresponding detection limit
B = analyte was detected in an associated blank as well as in the sample
R = data rejected

'R' FLAGGED DATA

Tank ID	Site ID	SampleID	Matrix	Date	Test	Extracted	Analyzed	Parameter	Reg Limit	Result	Flag	Det Lim	Units	Lab
OWS-3410	Bldg 3410	SP3410-1	Soil/Solid	4/30/96	8270	5/15/96	5/18/96	Benzo(g,h,i)perylene	0.04	ND	R	666	ng/g	on-site
UST-3426	Bldg 3426	EX3426-DUP	Soil/Solid	6/28/96	8021	7/22/96	7/22/96	MTBE	1000	NA	R	40	ng/g	on-site
UST-3426	Bldg 3426	EX3426-DUP	Soil/Solid	6/28/96	8021	7/22/96	7/22/96	Benzene	14	ND	R	5	ng/g	on-site
UST-3426	Bldg 3426	EX3426-DUP	Soil/Solid	6/28/96	8021	7/22/96	7/22/96	Trichloroethylene	700	ND	R	5	ng/g	on-site
UST-3426	Bldg 3426	EX3426-DUP	Soil/Solid	6/28/96	8021	7/22/96	7/22/96	Toluene	100	ND	R	5	ng/g	on-site
UST-3426	Bldg 3426	EX3426-DUP	Soil/Solid	6/28/96	8021	7/22/96	7/22/96	Ethylbenzene	100	ND	R	5	ng/g	on-site
UST-3426	Bldg 3426	EX3426-DUP	Soil/Solid	6/28/96	8021	7/22/96	7/22/96	m,p-Xylene	100	ND	R	5	ng/g	on-site
UST-3426	Bldg 3426	EX3426-DUP	Soil/Solid	6/28/96	8021	7/22/96	7/22/96	o-Xylene	100	ND	R	5	ng/g	on-site
UST-3582	Bldg 3582	EX3582-1	Soil/Solid	5/16/96	8021	5/31/96	5/31/96	MTBE	1000	NA	R	40	ng/g	on-site
UST-3582	Bldg 3582	EX3582-1	Soil/Solid	5/16/96	8021	5/31/96	5/31/96	Benzene	14	ND	R	5	ng/g	on-site
UST-3582	Bldg 3582	EX3582-1	Soil/Solid	5/16/96	8021	5/31/96	5/31/96	Trichloroethylene	700	0.8	JBR	5	ng/g	on-site
UST-3582	Bldg 3582	EX3582-1	Soil/Solid	5/16/96	8021	5/31/96	5/31/96	Toluene	100	ND	R	5	ng/g	on-site
UST-3582	Bldg 3582	EX3582-1	Soil/Solid	5/16/96	8021	5/31/96	5/31/96	Ethylbenzene	100	ND	R	5	ng/g	on-site
UST-3582	Bldg 3582	EX3582-1	Soil/Solid	5/16/96	8021	5/31/96	5/31/96	m,p-Xylene	100	ND	R	5	ng/g	on-site
UST-3582	Bldg 3582	EX3582-1	Soil/Solid	5/16/96	8021	5/31/96	5/31/96	o-Xylene	100	ND	R	5	ng/g	on-site
UST-3584-A	Bldg 3584	EX3584-1	Soil/Solid	5/15/96	8021	5/30/96	5/30/96	MTBE	1000	NA	R	40	ng/g	on-site
UST-3584-A	Bldg 3584	EX3584-1	Soil/Solid	5/15/96	8021	5/30/96	5/30/96	Benzene	14	0.7	JR	5	ng/g	on-site
UST-3584-A	Bldg 3584	EX3584-1	Soil/Solid	5/15/96	8021	5/30/96	5/30/96	Trichloroethylene	700	1.5	JBR	5	ng/g	on-site
UST-3584-A	Bldg 3584	EX3584-1	Soil/Solid	5/15/96	8021	5/30/96	5/30/96	Toluene	100	ND	R	5	ng/g	on-site
UST-3584-A	Bldg 3584	EX3584-1	Soil/Solid	5/15/96	8021	5/30/96	5/30/96	Ethylbenzene	100	0.9	JR	5	ng/g	on-site
UST-3584-A	Bldg 3584	EX3584-1	Soil/Solid	5/15/96	8021	5/30/96	5/30/96	m,p-Xylene	100	ND	R	5	ng/g	on-site
UST-3584-A	Bldg 3584	EX3584-1	Soil/Solid	5/15/96	8021	5/30/96	5/30/96	o-Xylene	100	0.8	JR	5	ng/g	on-site

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APPENDIX F
CORRECTIVE ACTION CORRESPONDENCE

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APPENDIX F1
BLANK CONTAMINANT ISSUE OHM LETTER DATED 8/2/96

OHM Remediation
Services Corp.
A Subsidiary of OHM Corporation

August 2, 1996

Mr. Joseph Szot
AFCEE Field Engineer
AFCEE/DAE
426 US Oval, Suite 2210
Plattsburgh, New York 12903

RE: Blank Contamination Issue
On-site Laboratory
Plattsburgh AFB - Contract F41624-94-D-8106; DO 0006/0003

Dear Mr. Szot:

The purpose of this letter is to address recent concerns raised by Mr. Farnsworth (AFBCA) and Mr. Stemp (NYSDEC) over the low level contamination of volatile organic compounds (VOCs) detected in ambient field blanks collected during sampling activities at the Base. I have already discussed the issue briefly with Mr. Farnsworth and Mr. Powers (WPI) in an attempt alleviate concerns by clarifying the problem and any potential impact to the decision making process for the project.

The following background information will be helpful in understanding the scope and magnitude of the problem:

- The on-site laboratory conducts analyses on soils and waters for specific VOCs (methyl-tert-butyl ether (MTBE), trichloroethene (TCE), benzene, toluene, ethylbenzene, & xylenes (BTEX)) using a gas chromatograph equipped with a photoionization and electrolytic conductivity detector (PID/ELCD) in accordance with EPA SW-846 Method 8021.

- Practical quantitation limits (PQL) or "reporting limits" have been established and included in OHM's project specific QAPP. A method detection limit (MDL) study has been performed to verify the PQLs in accordance with standard procedures. PQL's and applicable cleanup goal for the targeted VOCs is as follows:

Compound	PQL (ng/g or ug/L)	Cleanup Goal (ng/g)	Cleanup Goal (ug/L)
MTBE	40	1000	50
Benzene	5	14	0.7
Toluene	5	100	5
Trichloroethene	5	700	5
Ethylbenzene	5	100	5
m,p-xylene	5	100	5
o-xylene	5	100	5

- The laboratory has been routinely reporting concentrations of compounds below the PQLs since the beginning of the project and has qualified the data using a "J" qualifier which signifies to the data user that the value is estimated because it is below the PQL. OHM reports these estimated

concentrations for VOCs to maintain consistency in reporting with the 8270 method being run onsite for polynuclear aromatic hydrocarbons (PAHs), and with consideration to the stringent guideline for benzene in groundwater (0.7 ug/L). The NYSDEC guidelines for many of the targeted PAH compounds are well below achievable detection limits.

- Quality control samples are routinely analyzed to verify procedures used both in the field and in the laboratory to allow the data user to assess the potential for cross-contamination problems in samples. Ambient blanks and equipment rinsate blanks are field quality control samples used to evaluate the potential for cross-contamination of samples in the field. Method blanks are used in the laboratory to evaluate the level of background interference or contamination that exists in the analytical system. OHM personnel will not accept method blank contamination above the PQL in accordance with the guidelines set forth in the AFCEE IRP Handbook.

Concerns were raised when trace levels of targeted VOC compounds were detected in our ambient field blanks and associated samples. I have conducted a cursory review of previous analytical reports generated at the on site laboratory in an attempt to determine the source of the trace contamination. The results of my preliminary review indicate that trace levels of target VOCs reported for some samples are also present in associated ambient and method blanks. The problem appears to stem from trace contamination in the analytical system, which is a common phenomenon in all analytical laboratories. In these situations laboratory protocol calls for the use of a "B" qualifier to inform the data user that the compound was also detected in the blank. Unfortunately, a "B" qualifier has not been used and as a result some false positive data has been reported, albeit at estimated (J qualified) concentrations below the laboratory's PQL.

The impact that these false positive results have had on the decision making process and site closure is estimated to be minimal or non-existent, due to the low concentrations of the detected contaminants. The potential implication of reporting false positive data is having to conduct a cleanup in an area that does not require it, however, due the contaminant concentrations this has been a non-issue.

Regardless of the lack of impact that this problem has on the decision making process, it does necessitate corrective action in OHM's quality control process to resolve the problem. For all future reporting OHM personnel will adhere to the following general guidelines:

1) No results should be reported below our MDL.
2) No results should be reported below the PQL, unless the sample concentration is five times greater than associated blank contamination.
3) Sample results reported above the PQL with associated method blank contamination greater than 1/5 (i.e. 1/4, 1/3) the sample concentration, must be reported with a "B" qualifier.

In addition, I will continue to go through previously submitted data reports to identify all sites impacted by this problem, and upon completion will provide you with a detailed report of my findings. I will also be on site the week of August 19th to discuss this problem and general laboratory issues with Mr. Powers who has scheduled for a visit to the site on behalf of AFCEE.

I hope this alleviates some of the concerns that this oversight has caused. Please feel free to contact me at (508) 497-6130 with any questions or comments regarding this letter.

Sincerely,

OHM Remediation Services, Corp.

Michael G. Quinlan
Sr. Project Chemist

cc: Jason Johnson - AFCEE
Jess Powers - WPI
Ken Kukkonen - OHM
Maurice Cormier - OHM
Marty Vodicka - OHM
OHM Project 17499
OHM Project 17257

APPENDIX F2
AFCEE LETTER DATED 8/7/96
WPI LETTER DATED 9/18/96
OHM LETTER DATED 9/10/96 REGARDING ANALYTICAL REPORTING

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE TEXAS

7 AUG 96

TO: OHM REMEDIATION SERVICES CORP
ATTN: MR KEN KUKKONEN
200 HORIZON CENTER BLVD
TRENTON, NJ 08691-1904

FROM: HQ AFCEE/ERB
3207 NORTH ROAD
BROOKS AFB, TX 78235-5363

SUBJECT: BLANK CONTAMINATION ISSUES, ON-SITE LABORATORY; CONTRACT F41626-94-D-8106, DO 0003 AND 0006; PLATTSBURGH AFB, NY

1. Reference your 2 Aug 96 letter concerning low level contamination of field blanks for subject delivery orders. Our Air Force chemist has recommended the following changes to the general guidelines outlined on page 2 of your letter:

a. 1.) OK

b. 2.) AFCEE requires all samples with concentrations falling between the PQL and the MDL to be flagged with a "J" and all samples associated with a contaminated blank to be flagged with a "B".

c. 3.) All samples associated with a contaminated blank shall be flagged with a "B" whether it is above or below the PQL and despite the amount of contamination.

2. Please ensure all future preliminary data as well as all data presented in the final closure reports adheres to these guidelines.

3. If you have any questions or comments, please contact me at (210) 536-5237.

JASON JOHNSON, P.E.
Team Chief
Base Closure Restoration Division

cc: AFCEE/DAE (Szot)
AFBCA/DAE (Farnsworth)

Printed on Recycled Paper

HEADQUARTERS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AFB, TEXAS

BASE CLOSURE RESTORATION DIVISION

23 SEP 96

NO PAGES (INCLUDING COVER SHEET): 8

TO: AFBCA/DAE
ATTN: MIKE SOREL/DAVE FARNSWORTH

PHONE: (518) 563-2871
FAX: (518) 563-3025

SUBJECT: WASTE POLICY INSTITUTE TRIP REPORT, REVIEW OF OHM ONSITE LAB CONCERNS.

FROM: AFCEE/ERB
MR JASON JOHNSON

PHONE: (210) 536-5237
DSN: 240-5237
FAX: (210) 536-3609
DSN: 240-3609

REMARKS: PLEASE GIVE A COPY TO JOE.

done JJL

BEC _____
Dave + Joe
have cy

WPI
Waste Policy Institute

9350 South Presa • Building G • San Antonio, TX 78223
Telephone (210) 633-0936 • Telefax (210) 633-0983

18 September 1996
SA-L-1748

Mr. Jason Johnson
Base Closure Division
Environmental Restoration Directorate
Air Force Center for Environmental Excellence
3207 North Road
Brooks Air Force Base, TX 78235-5363

Subject: Trip Report for review of OHM's on-site field laboratory reported preliminary data, quality assurance/quality control (QA/QC) procedures, and data reporting requirements at Plattsburg Air Force Base, NY on 19-23 August 1996

Reference: Task Assignment No. 95-04-017

Dear Mr. Johnson:

In partial fulfillment of the above referenced Air Force Center for Environmental Excellence Environmental Restoration Directorate (AFCEE/ERD) task assignment, Waste Policy Institute (WPI) collaborated in an investigation of OHM's on-site field laboratory reported preliminary data, QA/QC procedures, and data reporting requirements at Plattsburg Air Force Base (PAFB) 19 - 23 August 1996.

The trip focused on OHM's on-site field laboratory and data reported to the PAFB Conversion Agency (PAFB-CA) and the New York State Department of Environmental Conservation (NYSDEC). The purpose of this trip was to address recent concerns raised by David Farnsworth, PAFB-CA; Michael Sorrel, PAFB BRAC Environmental Coordinator; Brady Baker, PAFB Environmental Engineer; and Art Stemp, NYSDEC. These concerns were raised when trace levels of targeted Volatile Organic Compounds (VOCs) were detected in ambient field blanks, method blanks, and associated samples at OHM's on-site field laboratory.

I met with David Farnsworth on 19 August 1996 to discuss these concerns prior to meeting with OHM Laboratory Personnel. After this briefing, a meeting was scheduled for the following morning (20 August 1996) with Michael Quinlan, Sr. Project Chemist for OHM's on-site field laboratory. On 20 August 1996, Mr. Quinlan introduced the laboratory and site management team (Ken Kukkonen, Maurice Cormier, Kelly Fagan, Greg Guimond, Marty Vodicka) and provided a comprehensive tour of the on-site field laboratory and field office facilities. Access to all data files, laboratory notebooks, sample run sheets, logbooks, procedures, and facilities was granted and/or provided, if requested. The following are "highlights" from activities that occurred during this trip.

Operations Offices:
Aiken • Blacksburg • Chicago • Dayton • Gaithersburg • Idaho Falls
Morgantown • Moscow • Richland • San Antonio • Washington, DC

Corporate Office: Blacksburg, VA

Virginia Tech
A Virginia Tech Affiliated Corporation

The on-site laboratory conducts analyses on soils and waters for specific VOCs using a gas chromatography (GC) equipped with a photoionization and electrolytic conductivity detector (PID/ELCD) in accordance with EPA SW-846 Method 8021. In accordance with standard procedures, the laboratory established method detection limits (MDLs) and Practical Quantitation Limits (PQLs) or reporting limits for this method, matrix, analytes, and instrument. The PQLs were included in OHM's project specific Quality Assurance Program Plan (QAPP). MDL's, PQL's, and Toxic Characteristic Leaching Procedure (TCLP) Alternative Guidance Values in NYSDEC STARS Memo #1 Applicable Cleanup Goals for the targeted VOCs are as follows:

Compound	MDL (ng/g or µg/L)	PQL (ng/g or µg/L)	Soil Cleanup Goal (ng/g)	Aqueous Cleanup Goal (µg/L)
MTBE	11.7	40	1000	50
Benzene	0.73	5	14	0.7
Toluene	1.06	5	100	5
Trichloroethene (TCE)	0.52	5	700	5
Ethylbenzene	0.79	5	100	5
m, p-xylene	1.93	5	100	5
o-xylene	0.58	5	100	5

ng/g = ppb

The on-site laboratory conducts analyses on soil and aqueous samples for specific Semivolatile Organic Compounds (SVOCs) using a gas chromatography/mass spectrometer (GC/MS) in accordance with EPA SW-846 Method 8270. PQLs were established and included in OHM's project specific QAPP. A MDL study was performed to verify the PQLs in accordance with standard procedures. However, on 10 April 1996, the aqueous sample solid phase extraction technique was replaced with a separatory funnel extraction technique. The change in extraction technique was not reported to PAFB, AFCEE, or the NYSDEC. The impacts on the MDLs were minimal, due to the fact that the resulting values deviated insignificantly from the previous values. Regardless of the impact, it is WPI's opinion that OHM should notify PAFB, AFCEE, and NYSDEC when analytical procedures are changed, modified, or revised, and include potential impact statements for all reporting requirements.

Aqueous sample MDLs, PQLs, and applicable cleanup goals for initial and subsequent targeted SVOCs are as follows:

Compound	Prior to 10 April MDL (µg/L)	After 10 April MDL (µg/L)	PQL (µg/L)	Cleanup Goal (µg/L)
Naphthalene	0.75	0.57	5	10
Acenaphthene	0.36	0.26	5	50
Fluorene	0.33	0.37	5	50
Phenanthrene	0.26	0.29	5	50

Compound	Prior to 10 April MDL (µg/L)	After 10 April MDL (µg/L)	PQL (µg/L)	Cleanup Goal (µg/L)
Anthracene	0.39	0.33	5	50
Fluoranthene	0.28	0.42	5	50
Pyrene	0.24	0.41	5	50
Benzo(a)anthracene	0.26	0.50	5	0.002
Chrysene	0.34	0.32	5	0.002
Benzo(b)fluoranthene	0.28	0.45	5	0.002
Benzo(k)fluoranthene	0.52	0.49	5	0.002
Benzo(a)pyrene	0.28	0.49	5	0.002
Indeno(1,2,3-cd)pyrene	0.41	0.57	5	0.002
Dibenz(a,h)anthracene	0.34	0.52	5	50
Benzo(g,h,i)perylene	0.24	0.36	5	0.002

In January 1996, the PQL for Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, and Benzo(g,h,i)perylene changed from 333 ng/g to 666 ng/g due to the change in extraction techniques, Supercritical Fluid Extraction (SFE) and resulting SFE MDL study. For these analytes the MDL significantly increased. In addition, NYSDEC visited the on-site laboratory on 26 March 1996 and expressed a concern with the OHM laboratory using the SFE to extract SVOCs for the modified 8270 method. The SFE method was not an EPA approved extraction method. However, NYSDEC allowed the use of this method on a case by case basis, as long as it can be shown that the method provided an unbiased extraction. On 01 July 1996, SFE was replaced with a sonification extraction technique due to maintenance problems with the SFE instrument. The MDLs were typically lower than the previous MDL value (except for naphthalene). However, the PQLs remained unchanged although the resulting MDL values were significantly lower than the January MDL values. These MDL studies were not reported to PAFB, AFCEE, or NYSDEC. In addition, the impacts of the MDL studies on the PQLs were not provided to PAFB, AFCEE, and NYSDEC even though the PQLs were influenced by the change in extraction techniques in January but subsequently not influenced in July. To comply with AFCEE guidelines, WPI recommends notifying PAFB, AFCEE, and NYSDEC when analytical procedures are changed, modified, or revised and including potential impact statements for all reporting requirements, particularly when a concern was previously expressed by NYSDEC.

Soil MDL's, PQL's, and applicable cleanup goals for initial and subsequent targeted SVOCs are as follows:

Compound	Prior to 01 July MDL (ng/g)	After 01 July MDL (ng/g)	Prior to Jan. PQL (ng/g)	After 01 Jan. PQL (ng/g)	Cleanup Goal (ng/g)
Naphthalene	190	245	333	333	200
Acenaphthene	120	70	333	333	400

Compound	Prior to 01 July MDL (ng/g)	After 01 July MDL (ng/g)	Prior to Jan. POL (ng/g)	After 01 Jan. POL (ng/g)	Cleanup Goal (ng/g)
Fluorene	90	76	333	333	1000
Phenanthrene	100	44	333	333	1000
Anthracene	210	46	333	333	1000
Fluoranthene	140	60	333	333	1000
Pyrene	160	54	333	333	1000
Benzo(a)anthracene	290	48	333	666	0.04
Chrysene	400	49	333	666	0.04
Benzo(b)fluoranthene	450	44	333	666	0.04
Benzo(k)fluoranthene	580	32	333	666	0.04
Benzo(a)pyrene	490	43	333	666	0.04
Indeno(1,2,3-cd)pyrene	520	40	333	666	0.04
Dibenz(a,h)anthracene	370	43	333	666	1000
Benzo(g,h,i)perylene	400	38	333	666	0.04

The OHM on-site laboratory has been routinely reporting concentrations of compounds below the PQLs and MDLs since the beginning of the project (9 months). The Laboratory has qualified the data using a "J" qualifier that signifies the value is estimated because it is below the PQL. Also, the laboratory uses a "#" which indicates concentrations above TCLP Alternative Guidance Values in STARS Memo #1. Concerns were raised when trace levels of targeted VOCs were detected in ambient field blanks, method blanks, and associated samples. The problem appears to originate from trace contamination in the analytical system, which is a common phenomenon in all analytical laboratories. In these situations, laboratory protocols require the use of a "B" qualifier to indicate the compound was also detected in a blank. However, a "B" qualifier was not used, and as a result, some false positive contamination was reported to PAFB, AFCEE, and NYSDEC. During my visit, Mike Quinlan was reviewing previously submitted laboratory VOC data and developing a list of sample data associated with the blank contamination issue. A detailed final report will be provided and data associated with blank contamination will be flagged with a "B" qualifier in all future reported preliminary data and the final closure reports. Additionally, while reviewing previously submitted SVOC soil data, blank contamination was discovered in SVOC batch 5018. Until then, blank contamination in SVOC samples was unknown and only anticipated to be associated with VOC data. OHM observed and confirmed the SVOC blank contamination batch data. Based on their observation, OHM ensured that SVOC data associated with blank contamination also will be flagged with the corresponding "B" qualifier in all future reported preliminary data and the final closure reports.

In referencing Mike Quinlan's 2 August 1996 letter to AFCEE concerning low level contamination detected in the field blanks, the letter states "For all future reporting OHM personnel will adhere to the following guidelines: 1) No results should be reported below our MDL." An AFCEE letter dated 7 August 1996 recommended an "OK" in regard to OHM's above-mentioned guideline. However, discussions with PAFB and OHM centered on the impact/confusion caused by not reporting

results below the MDL to NYSDEC. The laboratory has been routinely reporting below the MDLs to NYSDEC since the beginning of the project (9 months). PAFB and OHM questioned whether or not to change the reporting format with only a few months remaining in the project. A meeting with NYSDEC, OHM, PAFB, and AFCEE was proposed prior to adopting the MDL reporting guideline. Concurrence from NYSDEC was recommended.

Concerns were addressed regarding discrepancies with OHM on-site versus the ESS off-site split laboratory soil sample EX426-2 results for underground storage tank (UST) 426. On 01 July 1996, a composite sample was collected from four walls of the excavation. The sample was analyzed for VOCs and SVOCs by OHM's on-site laboratory and a split sample was analyzed by ESS Laboratory, Cranston, Rhode Island. SVOCs were detected at concentrations in the soil sample exceeding New York State Alternative Guidance Values. The regulatory limit for Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, and Benzo(g,h,i)perylene is 0.04 ng/g. The MDLs for these SVOC analytes are 48, 49, 44, 32, 43, 40, and 38 ng/g, respectively. Therefore, the MDLs are one thousand times greater than the regulatory limit and the detection of the analytes at the regulatory limits are not achievable by the on-site laboratory. The OHM laboratory reported analytes detected in the sample below the PQL and some analytes were even reported below the established MDL values (e.g., m, p-xylene and anthracene). These values were flagged as estimates according to OHM laboratory protocols. However, according to AFCEE guidance, analytes detected below the MDL should not be reported. The ESS Laboratory reported all sample results as "ND" (compound not detected). According to standard practice, commercial laboratories typically only report analytes detected above the PQL. Applying the same standard practice to OHM's reported data, the analytes detected are adjusted to "ND." Consequently, the adjusted OHM data is equivalent with the ESS reported data as shown in the following table:

Analyte	OHM Lab ng/g	OHM PQL ng/g	OHM MDL ng/g	Adjusted OHM data	ESS Lab ng/g	ESS PQL ng/g
MTBE	ND	40	11.7	ND	ND	11
Benzene	1.80J	5	0.73	ND	ND	11
Trichloroethlyene	ND	5	0.52	ND	ND	11
Toluene	ND	5	1.06	ND	ND	11
Ethylbenzene	ND	5	0.79	ND	ND	11
m, p-xylene	0.63J	5	1.93	ND	ND	11
o-xylene	0.78J	5	0.58	ND	ND	11
Naphthalene	ND	333	245	ND	ND	371
Acenaphthene	ND	333	70	ND	ND	371
Fluorene	ND	333	76	ND	ND	371
Phenanthrene	44.40J	333	44	ND	ND	371
Anthracene	44.40J	333	46	ND	ND	371
Fluoranthene	142.86J	333	60	ND	ND	371
Pyrene	129.34J	333	54	ND	ND	371

Benzo(a)anthracene	94.59J	666	48	ND	ND	371
Chrysene	83.01J	666	49	ND	ND	371
Benzo(b)fluoranthene	106.18J	666	44	ND	ND	371
Benzo(k)fluoranthene	42.47J	666	32	ND	ND	371
Benzo(a)pyrene	86.87J	666	43	ND	ND	371
Indeno(1,2,3-cd)pyrene	54.05J	666	40	ND	ND	371
Dibenz(a,h)anthracene	ND	666	43	ND	ND	371
Benzo(g,h,i)perylene	54.05J	666	38	ND	ND	371

ng/g = ppb; ND = analyte not detected; J = estimated value below practical quantitation limit

During the course of reviewing laboratory sample preliminary data, the following specific concerns were discussed with OHM during this trip:

1. On the first page of a sample analysis report, the word "repeated" was handwritten. However, there were no description explaining the need to repeat the sample analysis. Reviewing the sample chromatography and resulting values, it was concluded that the sample analysis was inaccurate due to insufficient surrogate recovery. WPI recommends including a brief explanation on the document cover sheet concerning the uncertainty of the sample analysis and decision to repeat a sample analysis.

2. On a PID chromatography report cover sheet, TCE was detected and reported. However, the sample result was lined-out and was not initialed. Reviewing the ELCD chromatography, the TCE value was unconfirmed based on the comparison of the PID and ELCD results. Therefore, the lined-out TCE value was justified. To facilitate reviews of sample data, WPI recommends including initials for lined-out analytes and a brief explanation for disregarding these detections.

3. The Laboratory should provide updates of the MDL demonstrations to AFCEE for the revised SVOC aqueous and soil/solid extraction techniques.

4. In December 1995, the MDL study established that the PQLs of certain SVOCs were to be increased to 666 ng/g. In July 1996, SFE technique for soil samples was replaced with a sonification extraction technique, and new MDL values were established. However, the PQLs remained unchanged even though the resulting MDL values were significantly lower than the initial MDL values. The impact of the MDL studies on PQLs should be discussed and reported.

5. VOC samples associated with blank contamination should be flagged with a "B" data qualifier.

6. SVOC samples associated with blank contamination should also be flagged with a "B" data qualifier.

7. Prior to implementing OHM guidance of not reporting results below the MDL, a meeting was proposed with NYSDEC to present the change in preliminary data reporting. The purpose of the meeting is to clarify the concerns regarding the previously reported preliminary data, submit and define data qualifiers, illustrate OHM guidelines on data reporting (approved by AFCEE), and acquire NYSDEC concurrence.

8. PAFB was concerned with on-site versus off-site data reports. Typically, OHM's on-site laboratory reported preliminary field data below the PQL and MDL. According to standard practice, commercial laboratories typically report only analytes detected above the PQL. Detections below the PQL are reported as "ND" (analytes not detected). Applying the same standard practice to OHM's reported data, the analytes detected were adjusted to "ND." Comparison of the adjusted OHM data with the ESS reported was agreeable.

If you have need of further information in this matter, please contact me at (540) 231-9804 or Dr. Elizabeth Laney at (210) 633-1323.

Sincerely,

Jess Powers
Chemist
Waste Policy Institute

JP/MTR/WNM/naw

cc: Carolyn R. Rubottom, AFCEE/ERS
cc: Káryn Washington, HSC/PKVA

OHM Remediation Services Corp.
A Subsidiary of OHM Corporation

DO#6

September 10, 1996

Mr. Joseph Szot
AFCEE Field Engineer
AFCEE/DAE
426 US Oval, Suite 2210
Plattsburgh, New York 12903

RE: Analytical Reporting
On-site Laboratory
Plattsburgh AFB - Contract F41624-94-D-8106; DO 0006/0003

Dear Mr. Szot:

The purpose of this letter is to clarify some reporting issues that were discussed during the site visit made by Mr. Jess Powers of Waste Policy Institute (WPI) on the week of August 19, 1996. The main purpose of the WPI visit was to look into the blank contamination issue that was the subject of my August 2nd letter addressed to you. Detection limits were also discussed in order to clarify how data from the on-site laboratory has been reported. In addition, procedural changes not formally communicated to AFCEE were clarified.

Blank Contamination Issue

The blank issue was discussed between Mr. Powers, Dave Farnsworth (AFBCA) and myself during the WPI site visit, with consideration to my August 2nd letter and the response letter from Jason Johnson (AFCEE) dated August 7, 1996 (see attached). Prior to the visit, I reviewed analytical data for volatile organics and confirmed my suspicion that the low level contamination seen in the field blanks is attributable to low level instrument contamination documented through laboratory method blanks. I also discovered that some of the low level contamination in the field samples may also be attributable to instrument contamination.

As I pointed out in my previous letter, we are talking about concentrations below our detection limit which have been qualified with a "J" indicating (estimated value). Though a significant amount of data has been reported without the appropriate "B" qualifier, it has not impacted the decision making process because of the levels involved. The result of this oversight is that in some cases false positive data may have been reported. This could have potentially affected the decision making process by identifying low level contamination where no contamination existed.

In order to remedy the situation OHM is qualifying all data associated with blank contamination with a "B" qualifier per AFCEE direction. In my August 2nd letter, I had proposed "B" qualifying data in accordance with EPA CLP protocol as indicated in our QAPP (i.e. using the 5X Rule). The response from Mr. Johnson directed OHM to "B" qualify all data associated with a contaminated blank regardless of concentration. It is important to note that WPI and AFCEE evaluate contractor data against the requirements outlined in the AFCEE Model QAPP, finalized in February, 1996. However, OHM's contract does not require conformance to the guidelines in the Model QAPP, since our contract preceded inception of the document. In general, OHM's primary AFCEE guidance document is the AFCEE Handbook dated 1993, which does not provide specific guidance for qualifying data. The potential problem with qualifying data with a "B" regardless of concentration is that it could be misleading to regulators and other data users who are accustomed to reviewing data qualified by EPA protocol, as this is generally considered to be the industry standard. In order to avoid confusion, OHM will report the data

as required by AFCEE, but will also include method blank information when appropriate. It was agreed that any past reports that have data needing "B" qualifiers will be addressed in the final report.

Detection Limit Issue

The fact that OHM is reporting values below our practical quantitation limit (PQL) has significantly contributed to the blank contamination issue because the concentrations of blank contamination are below the PQL. The problem has been exacerbated by the fact that OHM has also reported estimated concentration below our method detection limit (MDL). The definitions for MDL and PQL are as follows:

- The MDL is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero. The on site laboratory has established MDLs for each method, matrix and analyte for each instrument used on the project by performing MDL studies. An MDL study requires that 7 spike samples be analyzed containing the compounds of interest at three to five times the estimated MDL. The standard deviation for each analytes is then calculated and multiplied by 3.14 which is the one-sided t-statistic at the 99 percent confidence level. The results of the laboratory MDL studies are attached for reference purposes.

- The PQL is the lowest level that can be reasonably achieved within the specified limits of the precision and accuracy during routine laboratory operating procedures. The PQLs must be higher than the MDLs.

The detection limits listed on the reports from the on site laboratory are, and will continue to be, PQLs as is the industry standard. OHM began reporting data at a PQL that was based on our lowest standard, until MDLs could be established. Once the MDLs were established the PQLs for several PAH compounds were doubled (from 333 to 666 ng/g) based on the new MDL values. This was cause for confusion of AFCEE's part because OHM did not effectively communicate the reason for this change, though it had been discussed. Due to a recent change in soil extraction procedures from supercritical fluid extraction (SFE) to sonication, the PQL for these PAH's has been readjusted to its original value (333 ng/g). The MDLs for the volatile analyses and PAH waters did not require a change in the respective PQLs.

In my August 2nd letter I suggested that we no longer report below the MDL, and subsequently received concurrence by AFCEE. However, concerns were raised by Mr. Farnsworth who felt that we should maintain consistency in reporting below the MDLs for the remainder of the draft reports going to the NYSDEC. We all agreed to continue reporting below the MDL until submission of the final report. The final report will only include values above the MDL.

Procedural Changes

The on-site laboratory has changed procedures for both water and soil extraction for PAHs during the course of the project. Solid phase extraction was utilized for water extractions for the first several months of the project until being changed to separatory funnel liquid-liquid extraction on April 10, 1996 as noted in the correspondence associated with WPI's visit to the laboratory that month. The reason for the change was due to the fact that the fine grained suspended solids in the groundwater samples continually clogged the solid phase disks making extractions very time consuming. The separatory funnel method (EPA method 3510) is a more traditional method. OHM standard operating procedure for separatory funnel extraction is attached for reference purposes.

The procedure for extraction of PAHs from soil was changed from SFE to sonication on July 1, 1996. This change was incorporated because the piece of equipment (HP7680T) used to perform the supercritical extractions had become too maintenance intensive and was no longer reliable. Sonication (EPA method 3550) is also a more traditional method for extracting soil samples. The standard operating procedure for sonication is attached for reference purposes.

(It is important to note that the change in extraction methods does not affect the quality of the data because the quality control criteria must be met regardless of the method of extraction).

Summary

The purpose of this letter has been to communicate the resolution to the blank contamination issue reached during WPI's recent visit to the site, clarify confusion over the detection limit issue, and formally document/clarify changes to sample extraction procedures used in the on-site laboratory. I am available should the AFCEE or Regulatory representatives need further clarification. Mr. Farnsworth and I also agreed that a meeting should be held with representatives from AFCEE, NYSDEC and the OHM/Parsons team to discuss appropriate format for the final document.

I hope this clarifies issues regarding data being submitted by OHM's on-site laboratory. Please feel free to contact me at (508) 497-6130 with any questions or comments regarding this letter.

Sincerely,

OHM Remediation Services, Corp.

Michael G. Quinlan
Sr. Project Chemist

cc: Jason Johnson - AFCEE
Jess Powers - WPI
Ed Ashton - Parsons
Ken Kukkonen - OHM
Maurice Cormier - OHM
Marty Vodicka - OHM
OHM Project 17499

Ltr
A:\SZOT3.WPD

APPENDIX F3
OHM LETTER DATED 10/17/96
WPI LETTER DATED 10/28/96
OHM LETTER DATED 11/7/96

OHM Remediation
Services Corp.
A Subsidiary of OHM Corporation

October 17, 1996

Mr. Joseph Szot
AFCEE Field Engineer
AFCEE/DAP
426 US Oval, Suite 2210
Plattsburgh, New York 12903

RE: TCE Issue - UST Excavation Samples
Plattsburgh AFB - Contract F41624-94-D-8106, DO 0006

Dear Joe:

The purpose of this letter is to explain the presence of trichlororethylene (TCE) in closure samples collected from UST excavations on the Old Base. In short, it has been determined that the TCE presence in these samples is attributable to cross-contamination in sample storage prior to analysis and is not a contaminant of concern at the subject UST sites. Attached is a table indicating the samples that had been affected by a high level (TCE) sample and illustrates how we arrived at our conclusions.

The cross-contamination was caused by the presence of a sample (SP3400OWS-A) collected from the contents of the Building 3400 oil/water separator (OWS) which contained 2.5 % TCE. This sample was collected and placed in the sample refrigerator on September 17, 1996, which coincides with the day that the on-site laboratory began detecting TCE in samples stored in the refrigerator. OHM personnel handled this sample as they do all samples, and were unaware of the level of TCE in the sample. A split sample of the OWS contents was also shipped to an off-site laboratory for additional analyses, which is standard procedure at OWS sites. It was from the results of the split sample analysis that we learned of the actual concentration of the material.

When laboratory personnel began detecting TCE in the samples analyzed on September 17th, they became immediately concerned because of the origin of the samples (i.e. Military Housing No. 2 Fuel oil UST excavations), and chose three samples to split to the off-site laboratory to verify the presence of TCE in the samples. The three split samples were removed from the refrigerator and shipped to the laboratory on September 18th. The sample results indicated the presence of TCE in all three cases, confirming what we had found on site.

The on-site laboratory continued to detect TCE in samples and again became alarmed when TCE hits began showing up in ambient blank samples. To this point method blanks indicated no cross contamination or carryover problems related to the GC system. The high concentration sample was analyzed in the on-site laboratory on September 25th. Since the sample was run undiluted, it completely contaminated the entire GC system and we were not able to quantify the results. The remaining 18 samples were shipped off-site on September 27th, due to condition of the GC. The results of these analyses were received two weeks later and indicated detectable concentrations (1-28 ppb range) in all but one sample. These samples had been exposed to the high concentration sample for 8 - 9 days.

Still unaware of what was causing ambient blank contamination, and considering that results of routine split

samples (ND) had been received which contradicted on-site laboratory results (positive detects) for TCE, OHM conducted resampling on 10/1 and 10/2 to further investigate the problem. Sixteen of these samples were collected on 10/1 and stored in the on-site refrigerator for one day. Seven of the samples were collected on the 10/2 and shipped directly off-site with the other 16 that had been stored for a day.
TCE was detected in 7 of the 16 samples that had been placed into the refrigerator for one day, and was not detected in any of the samples shipped directly off-site. However, the results of these samples were not received for another week and a half.

It wasn't until the following day 10/3, when reviewing all the data gathered to date, that the possibility of cross-contamination within the storage refrigerator was seriously considered. The more we looked at the data, the more evidence we found that suggested that sample SP3400OWS-A was the cause of the problem. To verify our suspicions we placed blank water and blank soil samples into the refrigerator and shipped a control sample to the off-site laboratory to verify the water and soil source was free of TCE prior to using them in the experiment. One blank soil and water sample was taken out of the refrigerator after five days and were sent to an off-site laboratory. The blank soil resulted indicated 51 ppb of TCE and the blank water was non-detect. A blank soil and water sample were also removed after 12 days and shipped to the off-site laboratory, but we have not yet received the results.

Based on the preliminary results of the experiment and the results of split sample and resample data, OHM is confident that the problem has been resolved. Despite the fact that TCE is not a targeted compound under the STARS Memo #1 Guidance concerning petoroleum sites, it will be reported to maintain consistency with previous reports. The affected samples will be reported with a "B" qualifier indicating that TCE was detected in an associated blank. The associated blank will be the blank soil sample which demonstrated TCE contamination within the storage refrigerator. OHM is also confident that no additional sampling is required based on the case presented here, and considering that TCE levels reported for soil and water samples are well below the TAGM guideline of 700 ppb and the NYSDEC water quality standard of 5 ppb, respectively.

It should be noted that samples were stored in the refrigerator at the proper temperature specified by EPA SW-846 methodology and in accordance with AFCEE guidelines. I apologize for the confusion caused by this unfortunate incident, but am also relieved to get the problem resolved and alleviate your concerns about potential TCE presence at the Old Base. Please contact me at (508) 497-6130 with any questions or comments regarding this issue.

Sincerely,
OHM Remediation Services, Corp.

Michael G. Quinlan
Sr. Project Chemist

cc: Jason Johnson - AFCEE/ERB
Jess Powers - WPI
Dave Farnsworth - AFBCA
Ken Kukkonen - OHM
Maurice Cormier - OHM
Greg Guimond - OHM
OHM Project 17499

TCE Cross-Contamination Issue

Sample ID	original (ppb)	Sample Date	Anal. Date	Ship Date	Split (ppb)	Days Exp. in fridge	Resample Date	Ship Date	Days Exp. in Fridge	Resample (ppb)
spmfh881A	3.5	9/5	9/17			<1				
exmfh849A	15.6	9/5	9/17	9/18	19	<1/1				
spmfh849A	22.3	9/5	9/17			<1				
spmfh948	15.2	9/5	9/17			<1				
exmfh948	9.6	9/5	9/17			<1				
exmfh881A	11.7	9/5	9/17			<1				
spmfh861B	18.4	9/6	9/18			1				
exmfh861B	15.8	9/6	9/18			1				
exmfh832A	48.6	9/6	9/18	9/18	18	1/1				
spmfh832A	57.6	9/6	9/18	9/18	26	1/1				
spmfh833B	17.0	9/9	9/18			1				
exmfh872B	12.1	9/9	9/18			1				
spmfh872B	25.4	9/9	9/18			1				
exmfh892A	4.1	9/10	9/19			2				
exmfh872B dup	18.3	9/9	9/19			2				
spmfh880A	24.0	9/9	9/19			2				
spmfh892A	10.5	9/10	9/19			2				
spmfh892B	20.3	9/10	9/19			2				
exmfh892B	15.7	9/10	9/19			2	10/2	10/2	0	ND
spmfh896B	3.6	9/10	9/19			2				
exmfh896B	21.1	9/10	9/19			2	10/2	10/2	0	ND
exmfh884B-LQ2	0.6	9/10	9/19			2				
exmfh884B	14.5	9/10	9/19			2	10/2	10/2	0	ND
abmfh924B	0.8	9/11	9/19			2				
abmfh900B	1.6	9/11	9/20			3				
exmfh900B-LQ2	0.5	9/11	9/20			3				
abmfh908A	0.9	9/11	9/20			3				
exmfh900B-2	1.5	9/11	9/20	9/12	ND	3/0				
spmfh884B-2	33.8	9/10	9/20			3				
exmfh880A-2	36.1	9/9	9/20			3	10/1	10/2	1	2
spmfh908A-2	56.6	9/11	9/22			5				
exmfh908A-2	25.5	9/11	9/22	9/12	ND	5/0	10/2	10/2	0	ND
exmfh928A-2	91.2	9/13	9/22			5	10/1	10/2	1	1.4
spmfh928A-2	11.0	9/13	9/22			5				

TCE Cross-Contamination Issue

Sample ID	original (ppb)	Sample Date	Anal. Date	Ship Date	Split (ppb)	Days Exp. in fridge	Resample Date	Ship Date	Days Exp. in Fridge	Resample (ppb)
abmfh928A-2	3.1	9/12	9/22			5				
exmfh928A-LQ2	4.0	9/12	9/22			5	10/1	10/2	1	ND
exmfh865B-LQ2	3.2	9/13	9/24			7	10/1	10/2	1	ND
abmfh861B-2	3.9	9/13	9/24			7				
exmfh861B-LQ2	3.5	9/13	9/24			7	10/1	10/2	1	ND
abmfh865B-2	3.7	9/13	9/24			7				
abmfh869B-2	4.9	9/13	9/24			7				
exmfh865B-2	19.9	9/13	9/24			7	10/1	10/2	1	6
spmfh865B-2	18.2	9/13	9/24			7				
abmfh881A	3.5	9/5	9/24			7				
exows3400S	102.6	9/16	9/24			7				
exows3400E	74.6	9/16	9/24			7				
exows3400W	104.5	9/16	9/24			7				
exows3400N	132.7	9/16	9/24			7				
exmfh875A	41.0	9/16	9/24			7	10/1	10/2	1	ND
spmfh875A	43.8	9/16	9/24			7	10/1	10/2	1	1.5
abows3400	3.4	9/16	9/25			8				
exmfh875A-LQ2	2.5	9/16	9/25			8	10/1	10/2	1	ND
abmfh875A-2	3.2	9/16	9/25			8				
exmfh869A- LQ	2.7	9/16	9/25			8	10/1	10/2	1	ND
spows3400	98.5	9/16	9/25			8				
exows3400B	278.9	9/16	9/25			8				
spmfh869A	17.5	9/16	9/25			8	10/1	10/2	1	1.9
exmfh869A	25.8	9/16	9/25	9/19	ND	8/2	10/1	10/2	1	1.6
abmfh869A	2.7	9/16	9/25			8				
abmfh212A-2	2.4	9/16	9/25			8				
sp3400WS-A		**9/17**	**9/25**			**N/A**				
spmfh869B	72.3	9/17	9/25	9/19	ND	8/2	10/1	10/2	1	1.5
exmfh869B	66.1	9/17	9/25			8	10/1	10/2	1	ND
spmfh900B	179.9	9/17	9/25			8				
abmfh869B	14.8	9/17	9/25			8	10/1	10/2	1	ND
exmfh869B-LQ2	11.7	9/17	9/25			8	10/1	10/2	1	ND
exmfh924B	14.3	9/17	9/25			8	10/2	10/2	0	ND
spmfh924B	38.4	9/17	9/25			8	10/2	10/2	0	ND

TCE Cross-Contamination Issue

Sample ID	original (ppb)	Sample Date	Anal. Date	Ship Date	Split (ppb)	Days Exp. in fridge	Resample Date	Ship Date	Days Exp. in Fridge	Resample (ppb)
spmfh225B-2	26.3	9/18	9/25			8	10/2	10/2	0	ND
abmfh225B-2	5.0	9/18	9/25			8				
exmfh851B-2	24	9/18		9/27		9				
spmfh851B-2	28	9/18		9/27		9				
abmfh851B-2	4	9/18		9/27		9				
exmfh875B-LQ2	3?	9/19		9/27		8				
spmfh875B-2	17	9/19		9/27		8				
exmfh875B-2	ND	9/19		9/27		8				
abmfh875B-2	3	9/19		9/27		8				
spmfh221A-2	9	9/19		9/27		8				
exmfh221A-2	5	9/19		9/27		8				
abmfh221A-2	3	9/19		9/27		8				
spmfh220B-2dup	8	9/19		9/27		8				
spmfh220B-2	10	9/19		9/27		8				
exmfh220B-2	1	9/19		9/27		8				
exmfh220B-LQ2	3	9/19		9/27		8				
abmfh821B-2	3	9/19		9/27		8				
exmfh821B-2	6	9/19		9/27		8				
spmfh821B-2	7	9/19		9/27		8				
abmfh220B-2	4	9/19		9/27		8				

NOTES: ppb = parts per billion; ug/kg for soils and ug/L for aqueous samples

UNITED STATES GOVERNMENT

2-Way Memo

INSTRUCTIONS

Use routing symbols whenever possible.

SENDER (*Originator of message*):
Use brief, informal language.
Conserve space.
Forward original and one copy.

RECEIVER (*Replier to message*):
Reply below the message, keep one copy, return one copy.

Subject: UST TCE contamination issue of 800/900 area.

To : OHM Remediation Service
Attn: Ken Kukkonen

DATE OF MESSAGE	ROUTING SYMBOL
31 Oct 96	

SIGNATURE OF ORIGINATOR

TITLE OF ORIGINATOR
AFCEE Field Engineer

FOLD FOLD

MESSAGE

Please respond to WPI's comments concerning subject letter dated 17 Oct 96

REPLY

WE ARE CURRENTLY ADDRESSING ABOVE NOTED COMMENTS AND WILL ADVISE OF PROGRESS WITH WEEKLY STATUS MTG. ON 06 NOV 96.

DATE OF REPLY	ROUTING SYMBOL
11/4/96	

From : Maurice Cormier
OHM Remediation Services Corp.

SIGNATURE OF REPLIER

TITLE OF REPLIER
Assistant Project Mgr.

OPTIONAL FORM 27 (Rev. 7-81)
GSA FPMR (41 CFR) 101-11.6
NSN 7540-00-082-2447

5027-108

1. RETAINED BY ADDRESSEE

WPI
Waste Policy Institute

Suite 1000 • 2000 Kraft Drive • Blacksburg, VA 24060-6354
Telephone: (540) 231-3324 • Telefax: (540) 231-3968

28 October 1996
SA-L-XXXX

Mr. Joe Szot
Field Engineer
Air Force Center for Environmental Excellence
AFCEE/DAP
426 US Oval, Suite 2210
Plattsburgh Air Force Base, New York 12903

Subject: Draft Review of OHM's letter report response concerning the trichloroethylene (TCE) issue for excavated samples at underground storage tanks (USTs) 800/900 Area

Reference: Task Assignment No. 95-04-017

Dear Mr. Szot:

In partial fulfillment of the above referenced task assignment and in support of the Air Force Center for Environmental Excellence Base Closure Restoration Division (AFCEE/ERB), Waste Policy Institute (WPI) reviewed OHM's letter report response concerning the trichloroethylene (TCE) issue for excavated samples at underground storage tanks (USTs). To support the cross-contamination conclusion indicated in the letter report, WPI recommends clarifying the following:

1. The letter report states, "the TCE presence in these samples ... is not a contaminant of concern at the subject UST sites." TCE is not a targeted compound under the STARS Memo # 1 Guidance concerning petroleum sites. However, the New York State Department of Environmental Conservation (NYSDEC) water quality standard for TCE is five parts per billion (ppb). Additionally, TCE was routinely analyzed for all other USTs excavated by OHM. Why was TCE routinely analyzed as a contaminant of concern in the other UST sites and not at this site, and explaining why TCE is not deemed a contaminant of concern given NYSDEC's action level of 5 ppb?

2. The letter report states, "TCE hits began showing up in ambient blank samples." However, the letter report does not indicate whether the cited ambient blanks were collected during the same sampling event as sample SP3400WS-A. An ambient blank is a sample of organic-free water that is collected and processed using the same sampling and handling procedures as the other samples. Detection of TCE would indicate that the samples were potentially contaminated from an ambient source in the field or from the sample container, sample

handling, sample storage, water source, or laboratory procedures. What were the results of the ambient blank samples which were collected, transported, and stored with sample SP3400OWS-A?

3. Although it is required in *OHM Remediation Services Corporation Final Site-Specific Quality Assurance Project Plan for Remedial Actions at Landfills LF-022 and LF-023, Removal of Underground and Aboveground Storage Tanks, and Removal of Oil and Water Separators, Delivery Order 0006 (OHM QAPP-6)*, page 10-1, that trip blanks accompany every shipment or cooler of water samples sent to the laboratory for volatile organic compounds (VOC) analysis, trip blanks were not discussed in the text of the letter report for sample SP3400OWS-A. Also, there is no indication in the letter report whether sample SP3400OWS-A was an aqueous or solid sample or whether other aqueous samples were collected from Building 3400 oil water separator (OWS). Detecting TCE in a trip blank would indicate that the samples were potentially contaminated during sample handling, transportation, and storage. TCE-contaminated trip blanks would potentially eliminate the possibility of contamination from an ambient source in the field and support the conclusion that the TCE detected in these samples is attributable to cross-contamination in sample storage. What were the results of trip blanks transported and stored with sample SP3400OWS-A and the affected samples?

4. Previously, other aqueous or solid OWS samples (OWS 2700, OWS 2542, OWS 509) were analyzed for VOCs including TCE. During the other sample analyses when TCE was detected, was there any indication of TCE cross-contamination with these previous OWS samples? CONCENTRATIONS NOT AS HIGH AS W/ B-3400

5. The letter report does not indicate if samples were enclosed in plastic bags to prevent cross-contamination during shipment or storage in the laboratory refrigerator. *OHM QAPP-3, Appendix A, Groundwater Sampling Standard Operating Procedure (GWS-SOP)*, Section 7.2.15 (page 26) states, "All sample containers should be enclosed in plastic bags or cans to prevent cross-contamination." If the sample containers were enclosed in plastic bags prior to sample analysis, potentially the TCE contamination could be attributable to the extraction technique or analytical method. Were the samples enclosed in plastic bags during sample collection, transportation, and storage in the cooler and refrigerator?

6. What were the corrective actions taken to prevent cross-contamination of successive samples?

7. Does the TCE Cross-contamination issue table include the analytical results for all samples stored in the refrigerator with sample SP3400OWS-A or just the samples that were detected with TCE?

8. The letter report states, "The affected samples will be reported with a 'B' qualifier indicating that TCE was detected in an associated blank. The associated blank will be the blank soil sample which demonstrated TCE contamination within the storage refrigerator." The associated blank soil sample was prepared and placed in the refrigerator 16 days after TCE was detected in the UST samples. The "B" qualifier is applied to samples of the associated analytical batch, samples with the same matrix and sampling date, or samples shipped in the same cooler. Since the associated blank soil sample is not consistent with these "B" classifications, then application of the "B" qualifier in the letter report to designate the affected samples is inappropriate. Another data qualifier should be defined and applied to report the analytical results of the affected samples.

9. The letter report states, "OHM is also confident that no additional sampling is required based on the case presented here, and considering that TCE levels reported for soil and water samples are well below the TAGM guideline of 700 ppb and the NYSDEC water quality standard of 5 ppb, respectively." However, the TCE Cross-Contaminated issue table lists sample exmfh869B-LQ2 (a liquid sample) as 11.7 ppb, which is above the NYSDEC water quality standard of five ppb. This discrepancy needs to be clarified.

10. The letter report states, "Based on the preliminary results of the experiment and the results of the split sample and resample data, OHM is confident that the problem has been resolved." Resolution of the problem was based partially on the resample data. However, the resample data results indicate inconsistencies between the two data sets. OHM conducted resampling on 1 October and 2 October to further investigate the problem. Sixteen of these samples were collected on 1 October and stored in the refrigerator for one day and then shipped off-site for TCE analysis. The off-site laboratory detected TCE in 7 of the 16 samples. However, the resamples were not split and analyzed by the on-site laboratory. The original data set was reported by the on-site laboratory (2.5 to 91.2 ppb) and the resample data set was reported by the off-site laboratory (ND to 6 ppb). Also, a comparison of the resample data (1 day in the refrigerator) with the previous data (3 to 8 days in the refrigerator), indicates that the number of days in the refrigerator was not consistent with the previous samples. For example, original sample exmfh928A-2 was listed with a TCE concentration of 91.2 ppb after 5 days in the refrigerator. However, the resampled exmfh928A-2 was listed with a TCE concentration of 1.4 ppb after 1 day in the refrigerator. For consistency, none of the original samples that were in the refrigerator for 1 day were resampled. Additionally, the results of the resampled data (ND to 6 ppb) is statistically incompatible with the original data (2.5 to 91.2 ppb). For clarity, the method of justifying the comparability of these samples is needed.

11. The samples were stored in the refrigerator at the proper temperature specified by EPA SW-846 methodology and in accordance with AFCEE guidelines. However, this temperature is not noted. For clarity, the refrigerator temperature should be provided.

12. Were the samples stored in the refrigerator with standards and reagents?

Considering these issues and the fact that all sample results have not been received and reviewed by OHM, the conclusions of this letter report should be regarded as preliminary. Additional information is needed to comprehend the problem and provide corrective action to prevent the cross-contamination problem from reoccurring.

If you have need of further information in this matter, please contact Dr. E. Elizabeth Lancy at (210) 633-1323, Joe Hailer at (210) 633-1308, or me at (540) 231-9804.

Sincerely,

Jess Powers

Jess Powers
Chemist
Waste Policy Institute

JP/WM/
cc w/o enclosure: Carolyn R. Rubottom, AFCEE/ERS
cc w/o enclosure: Karyn Washington, HSC/PKVA

OHM Remediation
Services Corp.
A Subsidiary of OHM Corporation

November 7, 1996

Mr. Joseph Szot, AFCEE Field Engineer
AFCEE/DAE
426 US Oval, Suite 2210
Plattsburgh, New York 12903

RE: Responses to WPI Comments on TCE Issue
Contract F41624-94-D-8106; DO 0006, Plattsburgh AFB, NY

Dear Joe:

Attached are OHM's responses to comments provided by Waste Policy Institute (WPI) regarding OHM's letter dated 17 October 1996, which addressed the TCE cross-contamination issue. Please review the responses and let me know if any additional information or clarification is required. I will be at the site through Friday and in our Hopkinton, MA office next week where I can be reached at (508) 497-6130.

Sincerely,

OHM Remediation Services, Corp.

Michael G. Quinlan
Sr. Project Chemist

cc: Kevin Thomas - AFCEE/ERB
Dave Farnsworth - AFBCA
Jess Powers - WPI
Ken Kukkonen - OHM
Greg Guimond - OHM
Brad Coats - OHM
OHM Project 17499

RESPONSE TO COMMENTS ON
TASK ASSIGNMENT NO. 95-04-017
TCE ISSUE FOR EXCAVATED SAMPLES AT USTs
CONTRACT F41624-94-D-8106
PLATTSBURGH AFB

Comment 1: The letter report states, "the TCE presence in these samples...is not a contaminant of concern at the subject UST sites." TCE is not a targeted compound under the STARS Memo #1 Guidance concerning petroleum sites. However, the New York State Department of Environmental Conservation (NYSDEC) water quality standard for TCE is five parts per billion (ppb). Additionally, TCE was routinely analyzed for all other USTs excavated by OHM. Why was TCE routinely analyzed as a contaminant of concern in the other UST sites and not at this site, and explaining why TCE is not deemed a contaminant of concern given NYSDEC's action level of 5 ppb?

Response: At the beginning of the project, AFCEE requested that OHM's on-site laboratory be equipped to analyze samples for halogenated compounds due to concerns of TCE contamination at specific locations across the base. In response to this request, OHM leased a gas chromatograph with a PID and an ELCD and calibrated the instrument for TCE in addition to the volatile organic compounds (VOCs) targeted under the STARS Memo #1 Guidance. It is important to note that TCE was never a contaminant of concern at the UST sites removed under Delivery Order 0006, as these USTs were only used to store No. 2 fuel oil for the purpose of heating residential housing for military personnel. It was for this reason that the TCE contamination encountered during the analysis of samples collected from UST excavations (800 & 900 series buildings) was viewed with concern. OHM made AFCEE aware of the TCE hits immediately and indicated that additional quality control measures (split sampling) would be initiated to verify the presence of TCE. When it became apparent that the TCE detected in the samples was due to cross-contamination, OHM notified AFCEE to alleviate their concerns about potential TCE presence in the soil and water at the UST sites. The NYSDEC water quality standard of 5 ppb became irrelevant when it became evident that TCE was not present in the water at these sites. Furthermore, resampling verified that TCE did not exist in any groundwater samples above the 5 ppb level.

Comment 2: The letter report states, "TCE hits began showing up in ambient blank samples." However, the letter report does not indicate whether the cited ambient blanks were collected during the same sampling event as sample SP3400OWS-A. An ambient blank is a sample of organic-free water that is collected and processed using the same sampling and handling procedures as the other samples. Detection of TCE would indicate that the samples were potentially contaminated from an ambient source in the field or from the sample container, sample handling, sample storage, water source, or laboratory procedures. What were the results of the ambient blank samples which

were collected, transported, and stored with sample SP3400OWS-A?

Response: An ambient blank was collected on 9/17 with SP3400OWS-A, but was not analyzed due to contaminating the GC system with SP3400OWS-A. Additionally, standard procedures are to collect ambient blanks with soil and water samples only, not with samples of UST or OWS contents. Analysis of an ambient blank (ABOWS3400) collected with the OWS 3400 soil samples on 9/16 indicated a TCE concentration of 3.4 ppb. However, TCE began showing up in ambient blanks from UST sites that were stored in the same refrigerator as SP3400OWS-A and analyzed previous to the ABOWS3400 ambient blank. Note that ambient blanks collected at PAFB are always preceded with an "AB" for sample tracking purposes. As indicated in the table provided with the TCE letter to Mr. Szot, TCE was detected in ambient blank ABMFH924B on 9/19 at a concentration of 0.8 ppb, and again in ambient blanks ABMFH900B and ABMFH908A on 9/20 at concentrations of 1.6 and 0.9 ppb, respectively. I apologize for not providing footnotes to the table to explain the sample numbering.

OHM is aware of all the potential sources of contamination and continued to consider these sources until it became obvious that the cross-contamination occurred during sample storage. Analysis of ambient blanks during the course of the project has demonstrated the lack of contamination from ambient sources at the base. Clean method blanks during the detections of TCE verified that cross-contamination was not due to contamination in the GC system. The water source used for the ambient blanks was the same as was used for method blanks which was verified clean. The only common thread for contaminated samples was the fact that they were stored in the sample refrigerator with a sample (SP3400OWS) that contained **percent levels** of TCE. It is important to note that this TCE concentration represented the highest concentration of any single analyte detected in any samples stored in the on-site laboratory refrigerator since the project began in November 1995, by several orders of magnitude.

Comment 3: Although it is required in *OHM Remediation Services Corporation Final Site-Specific Quality Assurance Project Plan for Remedial Actions at Landfills LF-022 and LF-023, Removal of Underground and Aboveground Storage Tanks, and Removal of Oil and Water Separators. Delivery Order 0006 (OHM QAPP-6)*, page 10-1, that trip blanks accompany every shipment or cooler of water samples sent to the laboratory for volatile organic compounds (VOC) analysis, trip blanks were not discussed in the text of the letter report for sample SP3400OWS-A. Also, there is no indication in the letter report whether sample SP3400OWS-A was an aqueous or solid sample or whether other aqueous samples were collected from Building 3400 oil water separator (OWS). Detecting TCE in a trip blank would indicate that the samples were potentially contaminated during sample handling, transportation, and storage. TCE-contaminated trip blanks would potentially eliminate the possibility of

contamination from an ambient source in the field and support the conclusion that the TCE detected in these samples is attributable to cross-contamination in sample storage. What were the results of trip blanks transported and stored with sample SP3400OWS-A and the affected samples?

Response: Sample SP3400WS-A was a solid sample. The only aqueous samples collected at OWS 3400 were the ambient blanks referenced in response to Comment #2. Standard procedure was to send trip blanks with samples sent off site only, not for samples analyzed on site. Trip blanks were sent with three shipments of samples off site and resulted in non-detectable concentrations of TCE each time. A trip blank was sent with split samples shipped on 9/11 and 9/19, respectively, and another trip blank was sent with the resamples shipped on 10/2. These trip blanks served only to verify that the source of contamination was the sample storage refrigerator.

Comment 4: Previously, other aqueous or solid OWS samples (OWS 2700, OWS 2542, OWS 509) were analyzed for VOCs including TCE. During the other sample analyses when TCE was detected, was there any indication of TCE cross-contamination with these previous OWS samples?

Response: TCE was detected in samples collected from each of these OWSs at concentrations ranging from 0.5 to 9.5 ppb. Most of these results were "B" qualified due to the presence of low level TCE in the associated method blanks. There was no evidence indicating any cross-contamination of samples for these sites.

Comment 5: The letter report does not indicate if samples were enclosed in plastic bags to prevent cross-contamination during shipment or storage in the laboratory refrigerator. *OHM QAPP-3 Appendix A, Groundwater Sampling Standard Operating Procedure (GWS-SOP)*, Section 7.2.15 (page 26) states, "All sample containers should be enclosed in plastic bags or cans to prevent cross-contamination." If the sample containers were enclosed in plastic bags prior to sample analysis, potentially the TCE contamination could be attributable to the extraction technique or analytical method. Were the samples enclosed in plastic bags during sample collection, transportation, and storage in the cooler and refrigerator?

Response: The SOPs included in Appendix A of the QAPPs were included to guide field sampling activities as indicated in the text of the final ESAP and QAPP for D.O. 0003 and D.O. 0006, and were not intended to be followed verbatim. The discussion on page 26 of the 32 page SOP for Groundwater Sampling is obviously for samples being packed for shipment off-site. The plastic bags and cans are designed to contain samples upon accidental breakage and to prevent cross-contamination as a result of samples becoming submerged in melted ice. For the Plattsburgh project, only samples packed and shipped off-site were enclosed in plastic bags as was appropriate.

Comment 6: What were the corrective actions taken to prevent cross-contamination of successive samples?

Response: The laboratory was closed down and all subsequent samples were shipped off-site.

Comment 7: Does the TCE cross-contamination issue table include the analytical results for all samples stored in the refrigerator with sample SP3400OWS-A or just the samples that were detected with TCE?

Response: No. There was also a small percentage of samples that did not indicate detectable levels of TCE. OHM is not saying that 100% of the samples exposed to the highly contaminated sample were cross-contaminated, however, a pattern exists which suggests that soil samples were much more readily cross-contaminated than liquid samples. This makes sense considering that the water vials are filled with zero headspace which would help minimize diffusion of volatile vapors through the septa.

Comment 8: The letter report states, "The affected samples will be reported with a "B"qualifier indicating that TCE was detected in an associated blank. The associated blank will be the blank soil sample which demonstrated TCE contamination within the storage refrigerator." The associated blank soil sample was prepared and placed in the refrigerator 16 days after TCE was detected in the UST samples. The "B" qualifier is applied to samples of the associated analytical batch, samples with the same matrix and sampling date, or samples shipped in the same cooler. Since the associated blank soil sample is not consistent with these "B" classifications, then application of the "B" qualifier in the letter report to designate the affected samples is inappropriate. Another data qualifier should be defined and applied to report the analytical results of the affected samples.

Response: This is a unique situation and not typical for fixed based laboratories because they are generally equipped with walk-in refrigerators, that because of their size, are not as susceptible to this problem. OHM is viewing the on-site laboratory storage refrigerator much the same as they would a sample "cooler", and given the fact that QC blanks verified the presence of cross-contamination in the refrigerator , the "B" qualifier is the most appropriate of the available qualifiers. In addition, ambient blanks stored in the refrigerator with the "TCE" samples provide additional documentation that associated blanks indicated the presence of TCE. OHM will use the "B" qualifier unless otherwise directed by AFCEE.

Comment 9: The letter report states, "OHM is also confident that no additional sampling is required based on the case presented here, and considering that TCE levels reported for soil and water samples are well below the TAGM guideline of 700 ppb and the NYSDEC water quality standard of 5 ppb, respectively." However, the TCE cross-contaminated issue table lists sample exmfh869B-LQ2 (a liquid sample) as 11.7 ppb,

which is above the NYSDEC water quality standard of five ppb. This discrepancy needs to be clarified.

Response: A closer look at the table provided with the letter to Mr. Szot will indicate that the water at the bottom of excavation MFH869B was resampled on 10/1 and the results of this sample (EXMFH869B-LQ2) indicated no detectable TCE.

Comment 10: The letter report states, "Based on the preliminary results of the experiment and the results of the split sample and resample data, OHM is confident that the problem has been resolved." Resolution of the problem was based partially on the resample data. However, the resample data results indicate inconsistencies between the two data sets. OHM conducted resampling on 1 October and 2 October to further investigate the problem. Sixteen of these samples were collected on 1 October and stored in the refrigerator for one day and then shipped off-site for TCE analysis. The off-site laboratory detected TCE in 7 of the 16 samples. However, the resamples were not split and analyzed by the on-site laboratory. The original data set was reported by the on-site laboratory (2.5 to 91.2 ppb) and the resample data set was reported by the off-site laboratory (ND to 6 ppb). Also, a comparison of the resample date (1 day in the refrigerator) with the previous data (3 to 8 days in the refrigerator), indicates that the number of days in the refrigerator was not consistent with the previous samples. For example, original sample exmfh928A-2 was listed with a TCE concentration of 91.2 ppb after 5 days in the refrigerator. However, the resampled exmfh928A-2 was listed with a TCE concentration of 1.4 ppb after 1 day in the refrigerator. For consistency, none of the original samples that were in the refrigerator for 1 day were resampled. Additionally, the results of the resampled date (ND to 6 ppb) is statistically incompatible with the original data (2.5 to 91.2 ppb). For clarity, the method of justifying the comparability of these samples is needed.

Response: OHM's conclusion that cross-contamination occurred in the sample refrigerator as a result of placing the high concentration sample in the refrigerator is well documented in the letter and attached table addressed to Joe Szot. The following factors led OHM to this conclusion:

1) On 17 September, TCE contamination was detected in samples from numerous fuel oil UST sites where there was no apparent source of the contaminant. This is the same day that the high concentration sample was placed into the refrigerator. The results of a high percentage of the samples analyzed on site after 17 September indicated the presence of TCE.

2) TCE was not detected in any method blanks associated with the samples in which the TCE was detected.

3) Analysis of all (100 %) split samples shipped off site without being stored

in the on-site laboratory refrigerator indicated no detectable TCE, in contrast to the on site analysis which indicated detectable levels of TCE.

4) Off site analysis of three split samples that were stored in the on-site refrigerator correlated with positive TCE results from the on-site analysis.

5) The results of all resamples (100%) not stored in the on-site laboratory refrigerator indicated no detectable TCE.

6) The results of the resamples stored in the refrigerator for a day indicated that most of the samples were cross-contaminated with residual concentrations of TCE.

Resamples collected on 01 and 02 October were not analyzed in the on-site laboratory due to the system contamination which resulted from analyzing the high level TCE sample in the laboratory on 25 September. This is also the reason for sending the remaining unanalyzed samples off-site stored in the on-site refrigerator, which resulted the detection of TCE in 17 of the 18 samples (94.4%). The obvious reason for inconsistency between the original data set and the resample data set is the length of time in the refrigerator. The data supports the theory that cross-contamination will increase the longer the sample is exposed to the contamination source. In addition, OHM did not spend a lot of time on attempting to establish a statistical correlation between concentrations found in the data sets, given the different dates in which each set was stored in the refrigerator relative to the date in which the high concentration sample was introduced. In general, the data supports the theory that the concentration of TCE vapors inside the refrigerator should decrease over time (due to dilution). Mr. Powers brought up the comparison of 91.2 (original) to 1.4 ppb (resample). This data makes perfect sense considering the original sample was exposed for the first five days after the source (SP3400OWS-A) was placed into the refrigerator, compared to the resample being exposed for only one day, fifteen days after the source was introduced. The same rationale can be applied to the two data ranges of 2.5 - 91.2 ppb and ND to 6 ppb for the original samples and resamples, respectively. Additional factors that must be considered when comparing sample concentrations is the soil type, the degree to which the soil is compacted in the vial, and the final seal on the vial.

Comment 11: The samples were stored in the refrigerator at the proper temperature specified by EPA SW-846 methodology and in accordance with AFCEE guidelines. However, this temperature is not noted. For clarity, the refrigerator temperature should be provided.

Response: The temperature range in the sample refrigerator for the dates in question is 4.0 to 5.5 ° C as indicated in the temperature logbook kept for the sample refrigerator.

Comment 12: Were the samples stored in the refrigerator with standards and reagents?

Response: No samples were stored with standards or reagents.