Underground Storage Tanks and Response to NJDEP Comments for ECP Parcel 53 (700 Area)

Fort Monmouth, New Jersey

May 21, 2015 Army Letter to NJDEP



May 2015

DEPARTMENT OF THE ARMY

OFFICE OF ASSISTANT CHIEF OF STAFF FOR INSTALLATION MANAGEMENT
U.S. ARMY FORT MONMOUTH
P.O. 148
OCEANPORT, NEW JERSEY 07757

May 21, 2015

Ms. Linda Range
New Jersey Department of Environmental Protection
Case Manager
Bureau of Southern Field Operations
401 East State Street, 5th Floor
PO Box 407
Trenton, NJ 08625

Re: Underground Storage Tanks and Response to NJDEP Comments for ECP Parcel 53 (700 Area), Fort Monmouth, New Jersey

Attachments:

A. Correspondence
B. Site Layout Drawings of Parcel 53 (Recent and Historical)
C. Summary Table of Parcel 53 Underground Storage Tanks
D. No Further Action Letters from NJDEP
E. Geophysical Survey Reports
F. UST 700-2 File Review and Analyses
G. UST 700-3 File Review and Analyses
H. UST 700-5 File Review and Analyses
I. UST 700-17 Report
J. UST 700-18 Report
K. UST 746B File Review and Analyses
L. UST 747B File Review and Analyses
M. 700 Area Excerpts from the 2005 Residential Communities Initiative (RCI) Remedial Action Report
N. Comparison of RCI Area 700 Soil Results with Residential Cleanup Criteria
O. Compliance Averaging of RCI Area 700 Soil Results
P. Area 700 Groundwater Monitoring Results

Previous Correspondence:

1. NJDEP letter to the Army dated September 5, 2007, re: *Remedial Action Report for the 800, 700, and 400 Areas, Ft Monmouth, NJ.*

Dear Ms. Range:

The U.S. Army Fort Monmouth (FTMM) has reviewed existing file information for underground storage tank (UST) sites at Fort Monmouth within Environmental Condition of Property (ECP) Parcel 53. The purpose of this submittal is to provide comprehensive documentation of the location and closure status of all USTs identified within this parcel. Previous investigation

results associated with the Residential Communities Initiative (RCI) activities within Parcel 53 (also known as the 700 Area) have been reviewed, as well as the 2007 New Jersey Department of Environmental Protection (NJDEP) comments on the RCI Report (Correspondence 1; provided in Attachment A). This submittal provides a comprehensive response to NJDEP's previous comments on the RCI 700 Area (Correspondence 1), which generally corresponds to Parcel 53. This information should be useful for the future Phase II property transfer.

The Parcel 53 area includes that portion of the Main Post bounded by Echo Avenue to the north, Wilson Avenue to the west, Nicodemus Avenue to the south, and Radio Avenue to the east (see recent and historical layout drawings presented in Attachment B). There are no designated Installation Restoration Program (IRP) sites located within Parcel 53. Parcel 53 was described in the 2007 ECP Report as former housing in the 700 Area, where extensive soil sampling and numerous UST removals were conducted as part of the Army's RCI and Enhanced Use Leasing (EUL) programs. Currently there are no buildings within Parcel 53; however, historically there were up to 40 barracks and other buildings within this area (see Attachment B2). The purpose of the RCI and EUL programs was to assess specific Fort Monmouth site areas for privatized housing and associated support buildings; subsequently the program was discontinued after closure of Fort Monmouth was announced in 2005.

A final report was prepared in 2005 under the RCI program that summarized the results of soils investigation and remediation activities within the 400, 700, and 800 Areas of Fort Monmouth, and requested No Further Action (NFA) for all three areas. In 2007, NJDEP commented (Attachment A) that NFA could not be approved for the following reasons (***current Army responses concerning the 700 Area are provided in bold italics***):

- There was no documentation provided concerning the remediation and closure of USTs removed from the site (***documentation of UST closure activities for the 700 Area is presented in Section 1.0 below***);
- Although soil remediation was completed to non-residential soil cleanup criteria, NJDEP required soil delineation to residential criteria (***a description of the RCI soil results and comparison to NJDEP's residential direct contact soil remediation standards [RDCSRS] is presented in Section 3.0 below***); and
- A site investigation for groundwater was required (***a description of the 700 Area groundwater investigations is presented in Section 4.0 below***).

1.0 UNDERGROUND STORAGE TANKS

A summary table of USTs identified within Parcel 53 is provided in Attachment C, and the locations of these USTs within Parcel 53 are presented in Attachment B. All of the USTs identified within Parcel 53 have been removed. These USTs were either used for residential heating oil, or were less than 2000 gallons in size and used to store heating oil for nonresidential buildings, and are therefore considered unregulated heating oil tanks (UHOTs).

Multiple UHOTs within Parcel 53 were previously approved for No Further Action (NFA) by NJDEP; documentation of this approval is provided in Attachment D, and referenced below. In these cases, there is generally a supporting investigation report that was previously submitted to NJDEP and that describes the basis for closure. For the sake of brevity, we have not included these reports for UHOTs where NFA has already been approved. However, these reports are available within the FTMM environmental records.

In the Attachment C table, the term "Case Closed" has been used (consistent with previous FTMM procedures) to indicate the Army determined that no further sampling or remedial actions were warranted for a specific UST site. "Case Open" indicates the Army previously determined that ongoing monitoring, reporting or possibly even remedial action was warranted. In contrast, "No Further Action" has been reserved for NJDEP approval that no further sampling or remedial actions are warranted. "Case Open" sites previously identified within Parcel 53 in Attachment C can now be considered as "Closed" by this submittal.

Many of the Parcel 53 UHOTs were steel fuel oil tanks associated with previously demolished former barracks. Geophysical surveys were performed to locate potential UHOTs that may have remained after the buildings were removed, as described in Attachment E. A combination of the geophysical surveys as well as the historical maps and metal detectors were used to locate multiple UHOTs within the Parcel 53 area, which were subsequently removed.

Regarding the multiple UHOTs that were previously removed from Parcel 53, we are submitting the following documentation, and we request a No Further Action determination for each site (sites within Parcel 53 that have been previously approved for NFA by NJDEP are highlighted in green):

- UST 700-2 (also referred to as 700-BI2) File Review summary and analyses is presented in Attachment F.
- UST 700-3 (also referred to as 700-BI3) File Review summary and analyses is presented in Attachment G.
- UST 700-5 (also referred to as 700-T05) File Review summary and analyses is presented in Attachment H.
- UST 700-17 (also referred to as 700-BI17) investigation report is presented in Attachment I.
- UST 700-18 (also referred to as 700-BI18) investigation report is presented in Attachment J.
- UST 707 NFA was approved by NJDEP on 8/29/2000 (Attachment D).
- UST 718 NFA was approved by NJDEP on 10/23/2000 (Attachment D).
- UST 739 NFA was approved by NJDEP on 2/24/2000 (Attachment D).
- UST 744 NFA was approved by NJDEP on 2/24/2000 (Attachment D).
- UST 745 NFA was approved by NJDEP on 8/29/2000 (Attachment D).
- UST 746 (also referred to as 746A) NFA was approved by NJDEP on 8/29/2000 (Attachment D).
- UST 746B File Review summary and analyses is presented in Attachment K.
- UST 747A NFA was approved by NJDEP on 2/24/2000 (Attachment D).
- UST 747B File Review summary and analyses is presented in Attachment L.
- UST 748 NFA was approved by NJDEP on 8/29/2000 (Attachment D).
- UST 749 NFA was approved by NJDEP on 8/29/2000 (Attachment D).

2.0 RESIDENTIAL COMMUNITIES INITIATIVE ACTIVITIES AT THE 700 AREA

Extensive soil sampling was performed in 2004 under the RCI to support an evaluation of privatized housing (see Attachment M). Three areas of the Main Post were evaluated: the 400 Area, the 700 Area, and the 800 Area (see Figure 2 of Attachment M). These studies included

environmental assessment of soil using Geoprobe borings (at 100 ft centers; see Figure 6 of Attachment M), and full-suite analysis of soil samples for VOCs, SVOCs, pesticides, PCBs, and metals (provided in Appendix E of Tetra Tech, 2005; these data are also provided in Enclosure 2 of Attachment N). In addition, geophysical investigations were performed to delineate UHOTs historically used for fuel oil from former barracks that had been previously demolished, as discussed in Section 1.0 above (see also Attachment E). As a result, multiple UHOTs were removed from Parcel 53 from 2004 to 2010 with associated site assessment sampling, as discussed in Section 1.0 above.

Under the RCI program, the analytical results from the 700 Area geoprobe soil sampling were compared to NJDEP's published non-residential cleanup criteria (as reported in Attachment M). The rationale for applying non-residential criteria was based on the planned future use of the 700 Area as the site of an RCI/EUL administration office building. The SVOCs benzo(a)pyrene and benzo(a)anthracene were found to exceed the non-residential cleanup criteria in certain discrete areas within the 700 Area (see Figures 6 and 7 in Attachment M), and therefore the impacted soils were excavated and removed for offsite disposal. Multiple rounds of additional step-out characterization and post-excavation sampling were performed to ensure that adequate soil was removed to meet the applicable non-residential cleanup criteria.

The pesticide heptachlor also exceeded non-residential cleanup criteria in 700 Area soils; however, soils were not remediated. Army policy is to not remediate areas that have been impacted by the application of pesticide products to landscaped areas, which were applied in a manner intended for their beneficial use. Also, Tetra Tech (2005) provided the additional rationale that pesticide contamination in excess of the non-residential criteria only occurred at two of the 49 boring locations, and that the exceedances were only one order of magnitude above the non-residential cleanup criteria.

As previously described above, a report (Attachment M) was submitted to NJDEP in 2005 that requested No Further Action for the RCI sites. In 2007, NJDEP commented (Attachment A) that NFA could not be granted because (among other reasons) Area 700 soils were not delineated to residential cleanup criteria.

3.0 Additional Comparison of Soil Results with Residential Cleanup Criteria

Additional comparison of the RCI soil analytical results with residential cleanup criteria has been performed to address NJDEP's 2007 comments (Attachment A) on the RCI Remedial Action Report (Attachment M). Attachment N includes a summary of analytical results for select SVOCs, pesticides, and PCBs in 700 Area soils, and a comparison of detected results with the RDCSRS, as described in the New Jersey Administrative Code (NJAC) 7:26D. Figures presented in Attachment N indicate specific soil boring locations where the soils remaining in place (that is, not remediated in 2004) exceeded the RDCSRS. The purpose of this screening comparison was to assess the adequacy of the existing RCI data for delineation to residential standards. The results of the screening comparison are discussed below for SVOCs, pesticides, and PCBs.

SVOCs

SVOCs were analyzed in a total of 67 soil samples; 5 samples represent soils that were removed by excavating, leaving 62 remaining soil sample results. The exceedances of single-point

compliance comparisons of soil SVOC results with the applicable RDCSRS included the following:

- Benzo(a)pyrene exceeded the RDCSRS of 200 µg/kg in 14 of the 62 soil samples, at concentrations ranging from 210 µg/kg to 600 µg/kg.
- Benzo(b)fluoranthene exceeded the RDCSRS of 600 µg/kg in 5 of the 62 soil samples, at concentrations ranging from 640 µg/kg to 880 µg/kg.

These SVOCs are polycyclic aromatic hydrocarbons (PAHs), which are common anthropogenic compounds that may result from incomplete burning of organic material, such as cigarettes, wood, food, and fossil fuels (New Jersey Comparative Risk Project, 2003) or historic fill used to develop the former Fort Monmouth. The specific source of the PAHs in the 700 Area soils is not known. PAHs could originate from residual fuel oil releases in soil; however, with the exception of boring B30 (which was located midway between UHOTs 700-17 and 700-18, and was subsequently removed by excavation), the soil sample locations that exceeded the RDCSRS do not coincide spatially with former UHOT locations (see the revised Figure 6 in Attachment N).

PAHs are also commonly associated with asphalt pavement and sealants. Although the 700 Area is currently unpaved, there may have been pavement present during historical use of the area for barracks. Exceedances of the RDCSRS for PAHs are relatively minor (that is, within 3 times the RDCSRS), and generally do not exhibit spatially relevant trends. Benzo(a)pyrene and benzo(b)fluoranthene were also detected at concentrations exceeding the RDCSRS in background soil samples collected from the Main Post (Weston, 1995). Therefore, with the exception of the boring B30 area, the PAH occurrences are likely the result of ubiquitous urban impacts, or historic fill used to develop the former Fort Monmouth rather than point-source contamination from within the 700 Area.

The compliance average concentrations of both benzo(a)pyrene and benzo(b)fluoranthene were lower than the respective RDCSRS, as presented in Attachment O. These compliance averages were calculated in general accordance with NJDEP (2012) guidance, except that the arithmetic mean was calculated rather than the 95 percent upper confidence limit (UCL) of the mean, and the entire Area 700 data set was used instead of designating functional areas. Regardless, the calculated averages provide useful information on the central tendency of SVOC concentrations at the site.

The data indicate generally adequate delineation of SVOCs to the RDCSRS, as previously required by NJDEP (Attachment A). However, there are soil samples that exceed the RDCSRS at the perimeter boundary of the data set (for example, borings B2, B7, B38, and step-out samples at B49), suggesting that exceedances of the RDCSRS could also extend outside of the Parcel 53 area. This observation is also consistent with the interpretation that SVOCs in soil are likely the result of ubiquitous urban impacts, rather than point-source contamination from within the 700 Area.

Pesticides

Pesticides were analyzed in a total of 62 soil samples; 5 samples represent soils that were removed by excavating, leaving 57 remaining soil sample results. The exceedances of single-point compliance comparisons of soil pesticide results with the applicable RDCSRS included the following:

- Heptachlor exceeded the RDCSRS of 0.1 mg/kg in 5 of the 57 soil samples, at concentrations ranging from 0.12 mg/kg to 8.1 mg/kg.

- Heptachlor epoxide exceeded the RDCSRS of 0.07 mg/kg in 5 of the 57 soil samples, at concentrations ranging from 0.13 mg/kg to 1.1 mg/kg.
- gamma-Chlordane exceeded the RDCSRS of 0.2 mg/kg in 5 of the 57 soil samples, at concentrations ranging from 0.35 mg/kg to 5.4 mg/kg.
- alpha-Chlordane exceeded the RDCSRS of 0.2 mg/kg in 2 of the 57 soil samples, at concentrations ranging from 1.0 mg/kg to 1.6 mg/kg.
- 4,4'-DDE exceeded the RDCSRS of 2 mg/kg in 1 of the 57 soil samples, at a concentration of 2.1 mg/kg.

Pesticide results are attributed to historical application of pesticide products in a manner consistent with their intended use, and therefore do not indicate a need for additional remediation or deed restrictions. NJDEP (1999) has previously recognized that the historical use of agricultural pesticides in New Jersey has resulted in pesticide concentrations in excess of the residential soil cleanup criteria. The pesticides 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT were previously detected in background soil samples collected from the Main Post (Weston, 1995).

The compliance average concentrations of heptachlor epoxide, alpha- and gamma-chlordane, and 4,4'-DDE were lower than the respective RDCSRS, as presented in Attachment O. The compliance average concentration of heptachlor exceeded the RDCSRS. These compliance averages were calculated in general accordance with NJDEP (2012) guidance, except that the arithmetic mean was calculated rather than the 95 percent upper confidence limit (UCL) of the mean, and the entire Area 700 data set was used instead of designating functional areas. Regardless, the calculated averages provide useful information on the distribution of pesticide concentrations at the site.

The data indicate an adequate delineation of pesticides to the RDCSRS, as previously required by NJDEP (Attachment A). However, there are soil samples that exceed the RDCSRS at the perimeter boundary of the data set (for example, borings B1, B13, B20, and B39), suggesting that exceedances of the RDCSRS could also extend outside of the Parcel 53 area. This observation is also consistent with the interpretation that pesticides in soil can be attributed to historical application of pesticide products.

PCBs

PCBs were analyzed in a total of 49 soil samples; however, 2 samples represent soils that were removed by excavating, leaving 47 remaining soil sample results. The exceedances of single-point compliance comparisons of soil PCB results with the applicable RDCSRS included the following:

- Aroclor 1260 exceeded the RDCSRS of 0.2 mg/kg in 2 of the 47 soil samples, at concentrations ranging from 0.25 mg/kg to 0.68 mg/kg.

Note that the PCB exceedances of the RDCSRS are located entirely within a 0.75 acre portion of the RCI Study Area that is south of Building 750 within ECP Parcel 51, rather than Parcel 53. The source of the PCBs in soils is not known; however, pole-mounted electrical transformers have been used at FTMM, and so the possibility for a release from a historical PCB-containing transformer cannot be completely discounted.

The compliance average concentration of Aroclor 1260 was lower than the respective RDCSRS, as presented in Attachment O. This compliance average was calculated in general accordance with NJDEP (2012) guidance, and indicates that the average concentration of PCBs within this area is less than the RDCSRS.

The data indicate generally adequate delineation of PCBs to the RDCSRS, as previously required by NJDEP (Attachment A). However, soil results from borings B44 and B46 exceed the RDCSRS at the perimeter boundary of the data set, suggesting that exceedances of the RDCSRS could also extend outside of the study area.

In summary, the RCI data supports the determination of NFA for the 700 Area soils.

4.0 Groundwater Investigation at 700 Area

Five groundwater monitoring wells were installed within the 700 Area in December 2009 to assess the potential for groundwater contamination from the UHOTs located in this area. Monitor wells MW-1, MW-2, MW-3 and MW-5 were each screened from 5 ft to 20 ft below ground surface (bgs), while MW-4 was completed at a deeper screened interval of 50 to 70 ft bgs. Shallow groundwater was typically encountered at approximately 9 ft bgs. Monitor well completion logs for each of these wells and a potentiometric surface map from April 2010 are presented in Attachment P. Shallow groundwater flow direction was primarily towards the northwest in the vicinity of these wells.

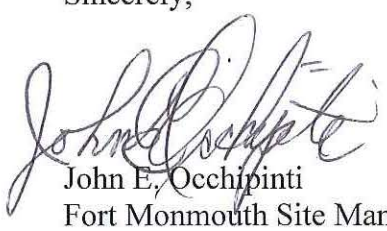
Two rounds of groundwater sampling were performed in December 2009 and January 2010, with analysis for VOCs. There were no VOCs detected in these groundwater samples. Therefore, there were no indications of a contaminant release to groundwater from the 700 area.

5.0 Summary

This information supports the conclusion that UHOTs as well as RCI program contamination issues identified within Parcel 53 have been adequately addressed by previous environmental activities. Multiple UHOT sites were identified within this Parcel that were addressed under the FTMM tank removal and assessment program. The RCI program results indicated several areas where individual sample results for SVOCs, pesticides, and PCBs exceed the residential cleanup criteria in soils; however, the average concentrations for these analytes were less than the residential criteria, with the exception of the pesticide heptachlor. Pesticide occurrences have resulted from the application of pesticide products applied in a manner intended for their beneficial use to landscaped areas. Therefore the sample results do not warrant additional remedial activities.

In summary, we submit that the Army has provided adequate due diligence with regards to the environmental condition of this Parcel, and we request that NJDEP approve No Further Action. Should you have any questions or require additional information, please contact me at (732) 383-5104 or by email at john.e.occhipinti.civ@mail.mil.

Sincerely,



John E. Occhipinti
Fort Monmouth Site Manager

cc: Delight Balducci, HQDA ACSIM
Joseph Pearson, Calibre
James Moore, USACE
Cris Grill, Parsons

REFERENCES CITED

New Jersey Comparative Risk Project. 2003. *Final Report of the New Jersey Comparative Risk Project.* March.

NJDEP. 2012. *Compliance Averaging Options for the Ingestion-Dermal, Inhalation, and Impact to Ground Water Pathways.* Appendix A of Technical Guidance for the Attainment of Remediation Standards and Site-Specific Criteria. Version 1.0. September 24.

NJDEP. 1999. *Findings and Recommendations for the Remediation of Historic Pesticide Contamination.* Historic Pesticide Contamination Task Force. Final Report – March 1999.

Tetra Tech EM Inc. 2005. *Final Remedial Action Report for the 800, 700, and 400 Areas, U.S. Army Installation Fort Monmouth, Fort Monmouth, New Jersey*. October.

U.S. Army. 2007. *U.S. Army BRAC 2005 Environmental Condition of Property Report, Fort Monmouth, Monmouth County, New Jersey.* Final. January 29.

Weston. 1995. *Final Site Investigation, Fort Monmouth, New Jersey, Main Post and Charles Wood Areas.* December.

ATTACHMENT A

Correspondence

Contents:

- NJDEP letter to the Army dated September 5, 2007, re: *Remedial Action Report for the 800, 700, and 400 Areas, Ft. Monmouth, NJ.*

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Division of Remediation Management & Response
P.O. Box 413
Trenton, New Jersey 08625-0413

JON S. CORZINE
Governor

LISA P. JACKSON
Commissioner

SEP 5 2007

Mr. Joseph Fallon, CHMM
Directorate of Public Works
ATTN: IMNE-MON-PWE
167 Riverside Ave.
Fort Monmouth, NJ 07703

RE: Remedial Action Report for the 800, 700, and 400 Areas
Fort Monmouth, NJ

Dear Mr. Fallon:

The NJDEP Division of Remediation Management & Response (DRMR) has completed its review of the report titled "Remedial Action Report for the 800, 700, and 400 Areas", dated October 2005, by Tetra Tech EM Inc. Our comments are attached.

NJDEP cannot make No Further Action (NFA) determinations for soil or ground water at the 800, 700, and 400 Areas at this time, based upon the report. Our comments describe the additional investigations or actions that would be needed before NFAs could be considered.

You or your staff may contact me at 609-633-0766 with any questions on the enclosed comments, or any other site remediation matters at Fort Monmouth.

Sincerely,

Larry Quinn

Larry Quinn, P.E., CHMM, Case Manager
Bureau of Design and Construction

Attachment

NJDEP COMMENTS ON
REMEDIAL ACTION REPORT FOR THE 800, 700, AND 400 AREAS
FORT MONMOUTH, NJ

1. General - The report states that during the soil investigation in the 800 Area, seven 1,000 gallon USTs and one 550 gallon UST were removed from the site. A subsequent investigation via backhoe identified four additional USTs in the 800 Area outside of the original site footprint. The document further states that the investigation and remediation/closure of those USTs is not part of this RAR. Documentation must be provided in the RAR (as an addendum) that confirms the remediation and closure of all USTs associated with the 800, 700, and 400 Areas (the former UST locations are not shown on any of the Figures).

2. 700 Area - The Report states that soils were delineated and remediated to the NJDEP **non-residential** direct contact soil cleanup criteria (NRDCSCC). However, soil contamination must be delineated to the level of the residential criteria (RDCSCC), since the future use of this area is now unknown. Additional sampling may not be necessary if adequate soil data can be used to extrapolate both horizontally and vertically for delineation (NJDEP Technical Requirements for Site Remediation, 7:26E 4.1). However, if soils contaminated above the RDCSCC remain in place, a deed notice will be required to document the contaminated soil, and appropriate engineering controls must be implemented and documented.

3. 400 Area, page 20 - The Report discusses the electromagnetic (EM) and ground penetrating radar (GPR) surveys conducted as part of the 400 Area investigation. The GPR and the EM survey both produced data that suggested the presence of USTs. It was reported that one EM location produced laterally restricted, high amplitude, parabolic reflections consistent with a UST. Another EM anomaly centered on the mapped location of a former tank suggested that the tank still existed beneath the 400 Area. No further investigation was performed at these suspected UST locations. These locations must be properly investigated.

4. 400 Area - As discussed regarding the 700 Area in comment #2 above, soil contamination must be delineated to the level of the RDCSCC, since the future use of this area is now unknown. Extrapolation may be possible in lieu of additional sampling. If soils contaminated above the RDCSCC remain in place, a deed notice will be required to document the contaminated soil, and appropriate engineering controls must be implemented and documented.

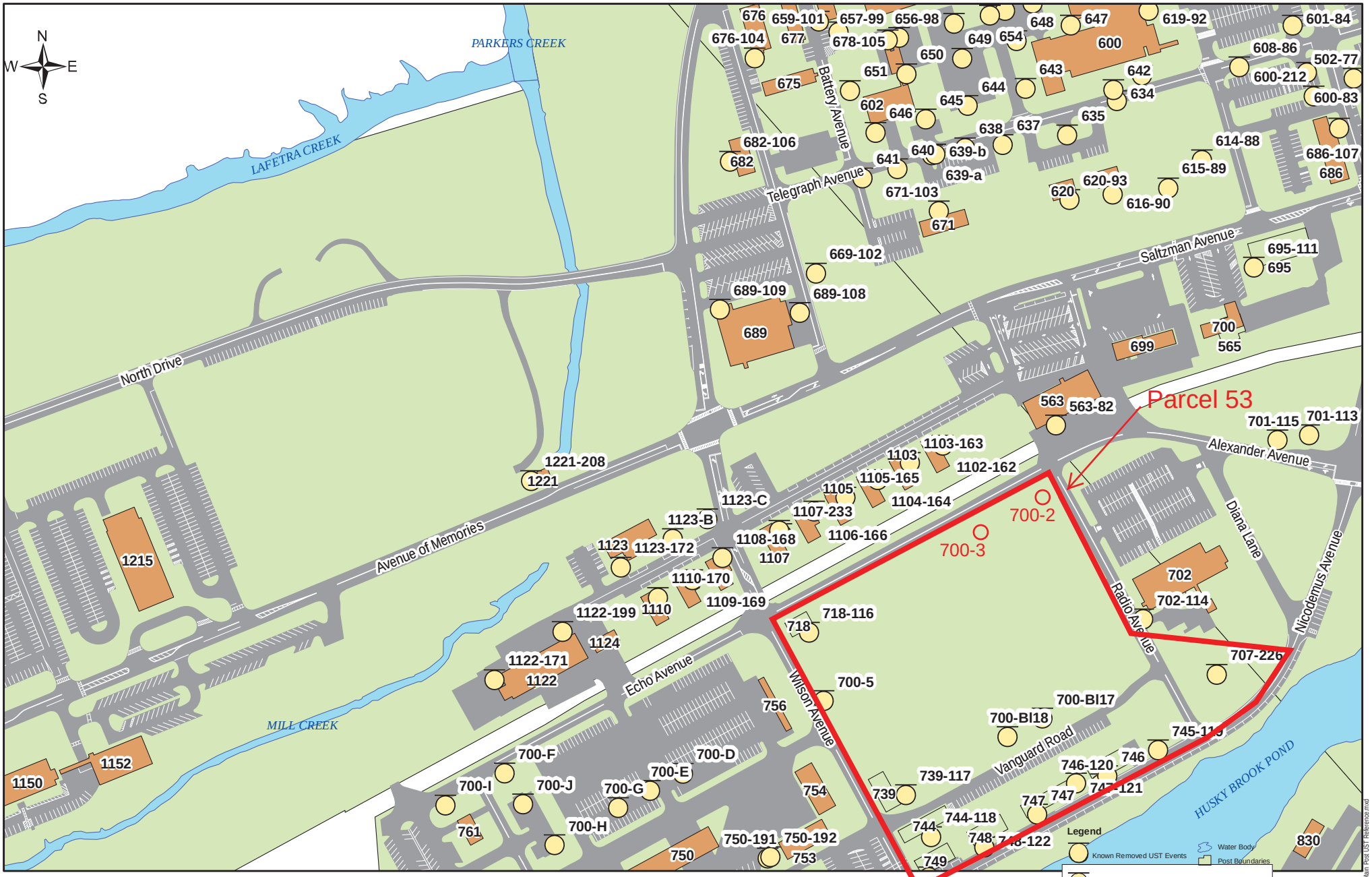
NJDEP COMMENTS ON
REMEDIAL ACTION REPORT FOR THE 800, 700, AND 400 AREAS
FORT MONMOUTH, NJ

5. Ground Water – Due to the reported evidence of releases at the 800, 700, and 400 Areas, a site investigation (SI) for ground water is required at all 3 areas. Ground water sampling by Geoprobe® at the 400 Area (Parcel 79) was included in the ECP Phase II Site Investigation Workplan and approved by NJDEP. Therefore, NJDEP would accept a similar Geoprobe® ground water investigation of the 800 and 700 Areas, provided that the sample locations provide complete coverage of all former UST locations within those Areas, including upgradient and downgradient samples. A remedial investigation for ground water may be required based upon the results of the ground water SIs.

ATTACHMENT B

Site Layout Drawings of Parcel 53

(Recent and Historical)



MCFA
TEAM FORT MONMOUTH

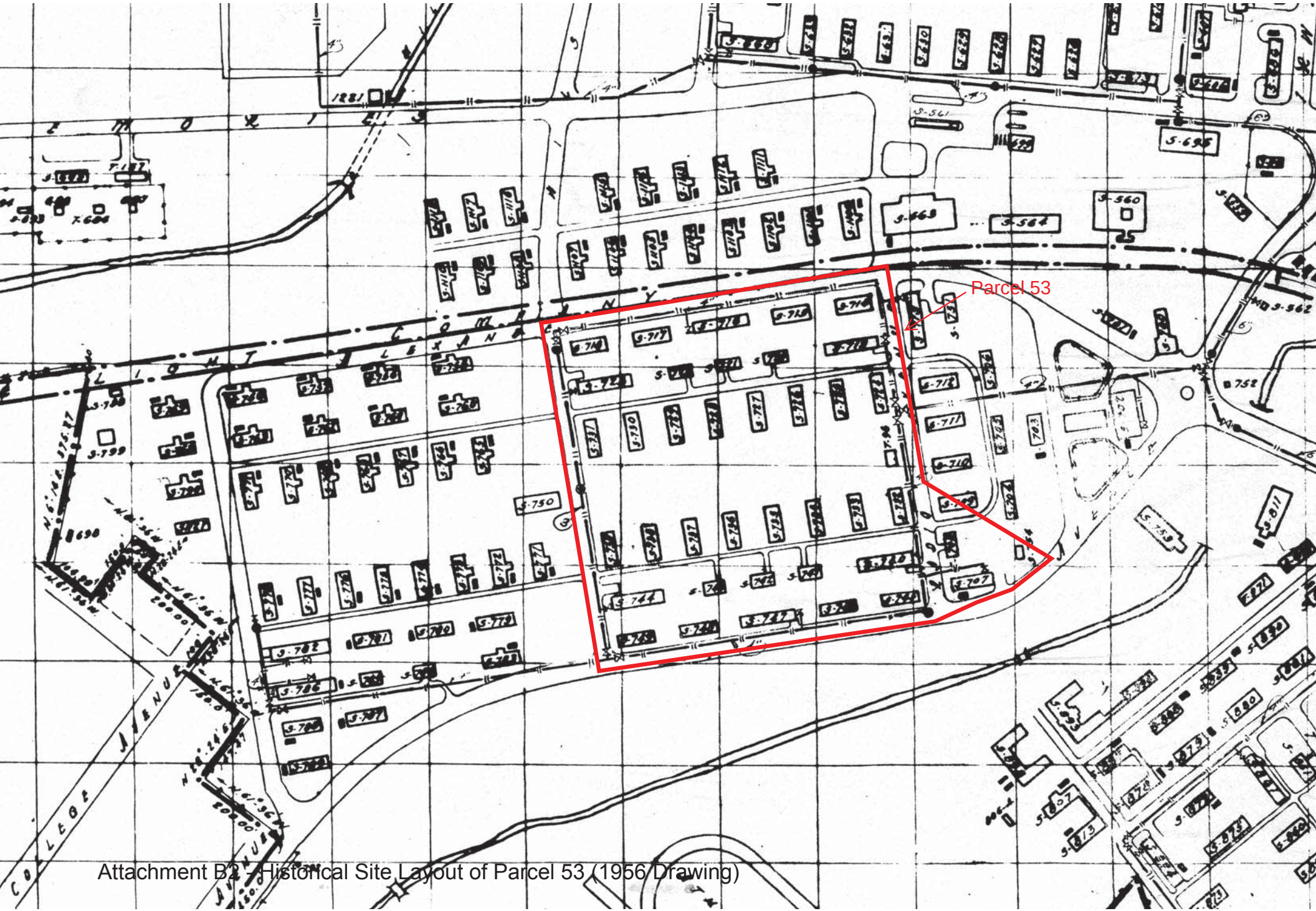
UST Removal Reference Map
Grid B3; Main Post
Fort Monmouth, New Jersey
FOUO

0 150 300 600 Feet

Attachment B1 - Recent Site Layout of Parcel 53

Map Created by:
Fort Monmouth Installation GIO, Environmental Division
Fort Monmouth, New Jersey
Date: August 10, 2011
All drawings must be field verified.
New Jersey State Plane Feet, NAD83

August 10, 2011 H:\GIS\GIS Maps\CHUST Linked\PDF\Main Post UST Reference.mxd



Attachment B2 – Historical Site Layout of Parcel 53 (1956 Drawing)

ATTACHMENT C

Summary Table of Parcel 53 Underground Storage Tanks

ATTACHMENT C
Summary Table of Parcel 53 USTs

Site Name	Registration ID	DICAR	Tank Size and Type	Product	Army Case Status	File Review Comments
700 2			1000 gal. steel	#2 FUEL OIL	Case Closed	Submit review summary and data; request NFA
700 3			1000 gal. steel	#2 FUEL OIL	Case Closed	Submit review summary and data; request NFA
700 5			1000 gal. steel	#2 FUEL OIL	Case Closed	Submit review summary and data; request NFA
700 17		04-04-05-1357-41	1000 gal. steel	#2 FUEL OIL	Case Open	Submit TVS Report; request NFA
700 18		04-04-14-1304-04	1000 gal. steel	#2 FUEL OIL	Case Open	Submit TVS Report; request NFA
707	81533-226	94-5-13-0932-29	1000 gal. steel	#2 FUEL OIL	Case Closed	NFA approved per 8/29/2000 NJDEP letter
718	81533-116	98-6-17-1650-28	550 gal. steel	#2 FUEL OIL	Case Closed	NFA approved per 10/23/2000 NJDEP letter
739	81533-117		1000 gal. fiberglass	#2 FUEL OIL	Case Closed	NFA approved per 2/24/2000 NJDEP letter
744	81533-118		550 gal. fiberglass	#2 FUEL OIL	Case Closed	NFA approved per 2/24/2000 NJDEP letter
745	81533-119	94-05-10-0831-11	1000 gal. steel	#2 FUEL OIL	Case Closed	NFA approved per 8/29/2000 NJDEP letter
746A	81533-120		550 gal. fiberglass	#2 FUEL OIL	Case Closed	NFA approved per 8/29/2000 NJDEP letter
746B			1000 gal. steel	#2 FUEL OIL	Case Open	Submit review summary and data; request NFA
747A	81533-121		550 gal. fiberglass	#2 FUEL OIL	Case Closed	NFA approved per 2/24/2000 NJDEP letter
747B			1000 gal. steel	#2 FUEL OIL	Case Open	Submit review summary and data; request NFA
748	81533-122	96-04-08-1344-01	550 gal. fiberglass	#2 FUEL OIL	Case Closed	NFA approved per 8/29/2000 NJDEP letter
749	81533-123		550 gal. fiberglass	#2 FUEL OIL	Case Closed	NFA approved per 8/29/2000 NJDEP letter

ATTACHMENT D

No Further Action Letters from NJDEP

State of New Jersey
Department of Environmental Protection

Christine Todd Whitman
Governor

Robert C. Shinn, Jr.
Commissioner

Mr. James Ott
C/O: Dinker Desai
Director – Public Works
U.S. Army, Fort Monmouth
Fort Monmouth, NJ 07703

FEB 24 2000

Re: UST Closure Reports - Closure Approvals
Fort Monmouth Army Base
Fort Monmouth, Monmouth County

Dear Mr. Ott:

The NJDEP has reviewed the UST Closure and Site Investigation Reports for the Fort Monmouth underground storage tank sites noted below. Based on the NJDEP review of these documents, your request that the NJDEP approve the closure reports for those tanks listed below.

The following tanks were removed, sampled and analyzed in accordance with State and Federal requirements. Additionally, the reports consistently state the Fort Monmouth Public Works Department policy of removing all soils which are determined to have total petroleum hydrocarbon contamination (TPHC) greater than 1000 ppm. NJDEP criteria requires similar removal for TPHC contamination greater than 10,000 ppm. These activities are conservative and therefore further assure the NJDEP that no further action is necessary at these sites.

NJDEP Reg. #	Bldg. #	NJDEP Reg. #	Bldg. #
0081533-59	283B	*0081533-135	828
0090010-46	430C	0081533-136	864A
0081533-111	695	0081533-137	866
0081533-117	739	*0081533-231	907
0081533-118	744	0081533-154	916
0081533-121	747	0081533-156	918
0081533-124	787	0081533-170	1110
0081533-125	788	0081533-172	1123
0081533-128	801A	0081533-207	1150
0081533-133	812		

* No product lines were found during the excavation of the UST due to the fact the buildings were removed prior to the USTs. Based on a review of available maps and drawings, the product lines were less than 15 feet in length at each of the locations. Thus, no additional sampling was required.

If you should have any questions or comments, please do not hesitate to contact me at (609) 633-7232 or via E-mail.

Sincerely,

Ian R. Curtis, Case Manager
Bureau of Case Management
ICURTIS@DEP.STATE.NJ.US

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State of New Jersey

Christine Todd Whitman
Governor

Department of Environmental Protection

Robert C. Shinn, Jr.
Commissioner

Mr. Dinkerrai Desai
DEPARTMENT OF THE ARMY
HEADQUARTERS, U.S. ARMY COMMUNICATIONS-ELECTRONIC COMMAND
FORT MONMOUTH, NJ 07703-5000

AUG 2 9 2000

Re: UST Closure Approval/NFA
Fort Monmouth Main Post
Monmouth County

Dear Mr. Desai:

The NJDEP is in receipt of seventeen (17) UST closure reports dated June 1, 2000. The Army has requested to receive No Further Action approval letters for each of these reports. This letter approves the NFA requests for the following 17 UST located on the Main Post of the Fort Monmouth site:

NJDEP Req. #	Bldg. #	NJDEP Req. #	Bldg. #
0090010—06	80	0081533—226	707
0090010—17	166	0081533—119	745
0081533—5	207A	0081533—160	1076
0081533—211	207B	0081533—161	1076
0081533—57	282	0081533—168	1108
0081533—64	290	00192486—1	2000
0081533—68	295	0081515—62	2700.4
0081533—108	689A	00192486—30	3050
0081533—109	689B		

The NJDEP has determined that the Army has performed the remedial actions in a manner consistent or in excess of the regulatory requirements, specifically the Technical Requirements For Site Remediation (N.J.A.C. 7:26E et seq.). Soils with contamination in excess of the NJDEP residential cleanup criteria have been excavated and the Army has taken great care to provide documentation which assures us that all sources of contamination have been remediated.

The NJDEP has one comment in that we request that future reports provide ground water flow direction indications on the well location maps.

If you should have any questions or comments, please do not hesitate to contact me at (609) 633-7232 or via E-mail.

Sincerely,

Ian R. Curtis, Case Manager
Bureau of Case Management
ICURTIS@DEP.STATE.NJ.US

State of New Jersey

Department of Environmental Protection

Christine Todd Whitman
Governor

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Commissioner

Mr. Dinkerrai Desai
DEPARTMENT OF THE ARMY
HEADQUARTERS, U.S. ARMY COMMUNICATIONS-ELECTRONIC COMMAND
FORT MONMOUTH, NJ 07703-5000

AUG 2 9 2000

Re: UST Closure Approval/NFA
Fort Monmouth Main Post
Monmouth County

Dear Mr. Desai:

The NJDEP is in receipt of twenty-five (25) UST closure reports dated August 1, 2000. The Army has requested to receive No Further Action approval letters for each of these reports. This letter approves the NFA requests for the following 25 UST located on the Main Post of the Fort Monmouth site:

NJDEP Req. #	Bldg. #	NJDEP Req. #	Bldg. #
0090010-03	64	0081533-80	551
0090010-05	65	0081533-81	552
0090010-05	74	0081533-120	746
0081533-03	205	0081533-122	748
0090010-29	412	0081533-123	749
0090010-30	413	0081533-131	810
0090010-31	414	0081533-132	811
0090010-33	417	0081533-232	906B
0090010-42	428	0081533-159	1006
0090010-47	434	0081533-206	1075
0090010-47	447	0081515-21	2531
0090010-57	485	00192486-02	2018
0090010-59	492		

The NJDEP has determined that the Army has performed the remedial actions in a manner consistent or in excess of the regulatory requirements, specifically the Technical Requirements For Site Remediation (N.J.A.C. 7:26E et seq.). Soils with contamination in excess of the NJDEP residential cleanup criteria have been excavated and the Army has taken great care to provide documentation which assures us that all sources of contamination have been remediated.

The NJDEP has one comment in that we request that future reports provide ground water flow direction indications on the well location maps.

If you should have any questions or comments, please do not hesitate to contact me at (609) 633-7232 or via E-mail.

Sincerely,

Ian R. Curtis, Case Manager
Bureau of Case Management
ICURTIS@DEP.STATE.NJ.US

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State of New Jersey

Department of Environmental Protection

Christine Todd Whitman
Governor

Robert C. Shinn, Jr.
Commissioner

Mr. Dinkerrai Desai
DEPARTMENT OF THE ARMY
HEADQUARTERS, U.S. ARMY COMMUNICATIONS-ELECTRONIC COMMAND
FORT MONMOUTH, NJ 07703-5000

Re: UST Closure Approval/NFA
Fort Monmouth Main Post
Monmouth County

OCT 23 2000

Dear Mr. Desai:

The NJDEP is in receipt of forty [redacted] UST closure reports dated September 11, 2000. The Army has requested to receive No Further Action approval letters for each of these reports. This letter approves the NFA requests for the following 40 UST located on the Main Post of the Fort Monmouth site:

NJDEP Req. #	Bldg. #	NJDEP Req. #	Bldg. #	NJDEP Req. #	Bldg. #
0090010—04	64B	0081533—79	550	0081533—179	1220F
0090010—09	116B	0081533—116	718	0081533—180	1220E
0090010—09	206B	0081533—202	752	0081533—181	1220D
0081533—56	275	0081533—147	909	0081533—182	1220C
0090010-23	276	0081533—152	914	0081533—183	1220B
0090010-25	280	0081533—153	915	00192486—36	2043
0081533—201	286/548A	0081533—204	977	0081515—15	2504A
0081533—62	288	0081533—205	979	0081515—35	2700
0081533—63	289	0081533—167	1107	0081515—36	2700
0081533—66	292	0081533—233	1107B	0081515—37	2700
0090010-43	429	0081533—175	1220J	0081515—38	2700
0090010-52	475	0081533—176	1220I	0081515—39	2700
0090010-55	483	0081533—177	1220H		
0081533—75	500	0081533—178	1220G		

The NJDEP has determined that the Army has performed the remedial actions in a manner consistent with the regulatory requirements, specifically the Technical Requirements For Site Remediation (N.J.A.C. 7:26E et seq.). Soils with contamination in excess of the NJDEP residential cleanup criteria have been excavated and the Army has taken great care to provide documentation that assures us that all sources of contamination have been remediated.

If you should have any questions or comments, please do not hesitate to contact me at (609) 633-7232 or via E-mail.

Sincerely,

Ian R. Curtis, Case Manager
Bureau of Case Management
ICURTIS@DEP.STATE.NJ.US

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ATTACHMENT E

Geophysical Survey Reports

Contents:

- Enviroscan. 2003. *Geophysical Survey, Buried Construction Debris and UST Detection/Delineation, 700 Area, Ft. Monmouth, NJ.* November 4.
- Enviroscan. 2011. *Final Report: Geophysical Survey, Compilation and Re-Evaluation of Previous Survey Data, Fort Monmouth, Oceanport, NJ.* March 10.

ENVIROSCAN, INC.

November 4, 2003

Mr. Douglas Guenther
US Army, Fort Monmouth
Director of Public Works
ATTN: SELFM-PW-EV-Building 173
Fort Monmouth, NJ 07703

RE: Geophysical Survey
Buried Construction Debris and UST Detection/Delineation
700 Area
Fort Monmouth, NJ
Enviroscan Project Number 080303

Dear Mr. Guenther:

Pursuant to our proposal dated August 6, 2003, Enviroscan, Inc. (Enviroscan) has completed a geophysical survey of the above-referenced site. The methods and results of the survey are described below. Fieldwork for the survey was completed on October 6 through 8, 2003.

Survey Purpose and Site Description

The purpose of the survey was to detect and delineate possible underground storage tanks (USTs), as well as construction debris and possibly utility alignments. The first component of the field effort involved an electromagnetic (EM) terrain conductivity/metal detector survey of the entire site. Ground penetrating radar (GPR) scanning was then performed in order to further characterize specific targets and areas identified in the EM survey.

The area surveyed (Figure 1) consisted of two parcels, located in the 700 Area of the Main Post of Fort Monmouth, NJ. The larger parcel encompassed primarily open, mowed fields with a few buildings (mostly along the southern boundary) and stands of trees. The smaller parcel included paved parking areas and grassy areas between buildings.

1051 Columbia Avenue•Lancaster, Pennsylvania•717/396 8922•Fax 717/396 8746•email@enviroscan.com•www.enviroscan.com

Survey Methods

For the first phase of the geophysical survey, Enviroscan conducted an EM mapping of the survey area. EM instruments employ an electromagnetic transmitter coil to induce an electric current in the earth. This current creates a secondary electromagnetic field that is measured by a receiver coil, and has strength proportional to the bulk electrical conductivity or terrain conductivity of the subsurface materials. The subsurface terrain conductivity measured by an EM instrument is primarily sensitive to the mineralogy of the earth materials (e.g. sand vs. clay) and the moisture content and chemistry of the intergranular porosity.

In addition, some EM instruments can record the amplitude ratio between the primary (transmitted) electromagnetic field and the secondary field from electrical currents in the subsurface. These inphase data are a measure of the metallic content of the materials in the vicinity of the instrument. Therefore, where interference from metallic structures or debris (e.g. buildings, utilities, fences, etc.) is expected, simultaneous recording of terrain conductivities and inphase data allows identification of stations where the terrain conductivity reflects the presence of metallic interference rather than soil or rock conditions or features.

A Geonics, Ltd. EM-31 terrain conductivity meter with vertical dipole coil orientation was used to collect terrain conductivity readings at approximately 5-foot stationing along EM survey profiles spaced approximately 10 feet apart (see Figure 1). At each survey station, terrain conductivity (in millimhos/meter or mmho/m) and inphase response (in parts per thousand or ppt) were automatically digitally recorded using an Omnidata Polycorder. The vertical dipole EM-31 instrument was employed since it is sensitive to conductivity anomalies to depths of approximately 25 feet, with peak sensitivity between 4 and 12 feet (see e.g. McNeill, 1980a and Appendix A).

The actual location of each EM measurement station was digitally recorded using a backpack-mounted Trimble Pathfinder global positioning system (GPS) receiver in contact with four to seven position-fixing satellites. The GPS positions were differentially corrected using data from a community base station in Trenton, NJ. The resulting differential GPS (DGPS) positions have a nominal accuracy of better than 3 feet (+/-). Base map information was obtained from a geo-referenced, orthographically-corrected US Geological Survey (USGS) aerial photograph obtained from Terraserver.

The EM inphase and terrain conductivity data were contoured using the statistical kriging routine in SURFER for WINDOWS by Golden Software. The terrain conductivity and inphase response contours are depicted in Figures 2 and 3, respectively.

The EM data were examined for strong, laterally-restricted anomalies of the type consistent with potential USTs. The coordinates of 60 total anomalies with these characteristics are listed in Table I, with their locations depicted on Figures 4 and 5. The anomaly labels follow the convention BQ2, or SI13, where B or S refers to the big or small portions of the survey area, Q or I referrers to the quadrature (or conductivity) versus inphase data (depending on which data set best displays the anomaly), and the final digits represent sequential numbering.

The DGPS system was used to navigate to the coordinates of each of the anomalies listed in Table I in order to set a labeled, wire stem, vinyl pin flag. Where obvious surficial sources of the EM anomaly were present (e.g. hydrants, manholes, condensers, etc.), no flag was set, and the inferred anomaly source was recorded (see Table I). Where no anomaly source was evident, a labeled pin flag was set. Nineteen total anomalies had no inferred source, and were therefore flagged and noted for further investigation.

In order to further characterize the field-identified EM anomalies, Enviroscan mobilized a GPR system. GPR systems produce cross-sectional images of subsurface features and layers by continuously emitting pulses of radar frequency energy from a scanning antenna as it is towed along a survey profile. The radar pulses are reflected by interfaces between materials with differing dielectric properties. The reflections return to the antenna and are displayed on a video monitor as a continuous cross section in real time. Since the electrical properties of metallic tanks, pipes, and wastes are often distinctly different from soil and backfill materials, metallic targets produce dramatic and characteristic reflections. Fiberglass, plastic, concrete, and terra-cotta targets as well as subsurface voids, rock surfaces, soil type changes, and concentrations of many types of non-metallic wastes also produce recognizable, but less dramatic reflections.

To characterize EM anomalies, a GSSI SIR-2000 GPR controller with a 200 MegaHertz (MHz) scanning transducer was towed behind a survey vehicle along profiles spaced approximately five feet apart covering anomalous areas (see Figure 6). In the vicinity of pin flags (marking EM anomalies with no obvious surficial source), the profiles were traversed both east-west and north-south to ensure complete subsurface imaging. In addition, in areas that were not accessible to the survey vehicle, the transducer was towed by hand along tightly-spaced and variously-oriented profiles. The GPR profiles were examined in the field as the survey progressed to identify any high-amplitude parabolic anomalies of the type expected for a cylindrical UST.

Results

The results of the EM survey are shown on Figures 4, 5, and 7. Both the terrain conductivity and inphase data (Figures 4 and 5) display linear, orthogonal anomalies of the type consistent with underground utilities and/or foundation remnants. The presence of these, as well as ubiquitous, small shallow targets (consistent with miscellaneous debris) were confirmed with GPR. High-amplitude, parabolic anomalies of the type consistent with USTs were not detected at any of the EM anomaly locations, nor elsewhere along any GPR profiles. The linear trends of utility and/or debris-related anomalies suggest that former and remnant structures may lie along the south side of Alexander Avenue, as well as north of the existing parking area behind the existing buildings along Nicodemus Avenue. In the small survey area, only a single point EM target (SI7) marked inferred metallic debris, but did not appear in the GPR records as a reflector consistent with a UST.

Limitations

The geophysical survey described above was completed using standard and/or routinely accepted practices of the geophysical industry and equipment representing the best available technology. Enviroscan does not accept responsibility for survey limitations due to inherent technological limitations or site-specific conditions. However, we make every effort to identify and notify the client of such limitations or conditions.

We have appreciated this opportunity to work with you. If you have any questions, please do not hesitate to contact the undersigned.

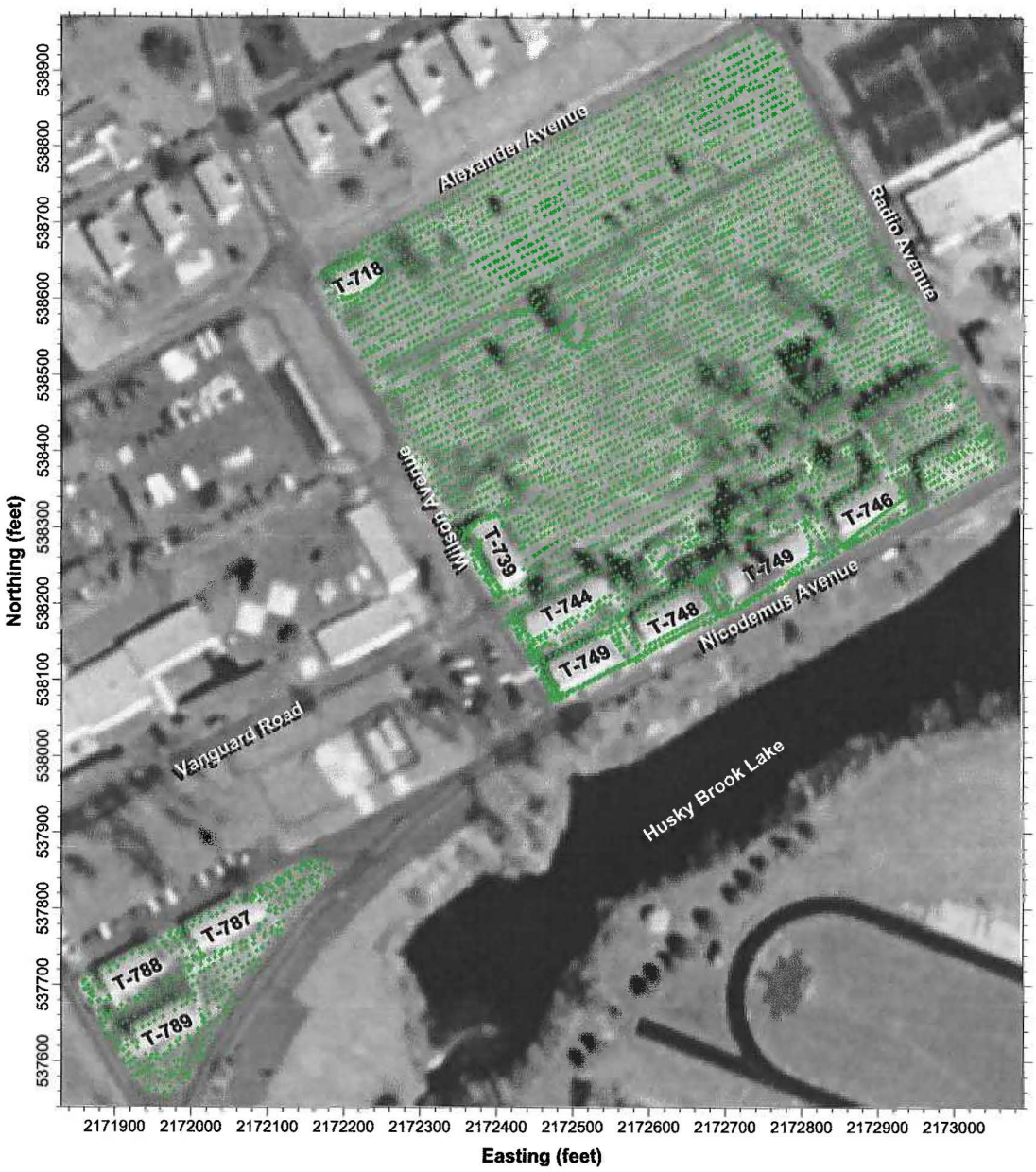
Sincerely,
Enviroscan, Inc.

Timothy D. Bechtel, Ph.D., P.G.
Principal Geophysicist

Technical Review By:
Enviroscan, Inc.

Felicia Kegel Bechtel, M.Sc., P.G.
President

enc.: Figure 1: EM Survey Data Coverage
Figure 2: EM-31 Terrain Conductivity Data Contours
Figure 3: EM-31 Inphase Response Data Contours
Figure 4: EM-31 Terrain Conductivity Initial Targets
Figure 5: EM-31 Inphase Response Initial Targets
Figure 6: GPR Survey Data Coverage
Figure 7: EM Survey Final Targets
Table I: EM Anomalies with Potential UST Characteristics
Appendix A: EM-31 Vertical Dipole Mode Depth Response



Notes:

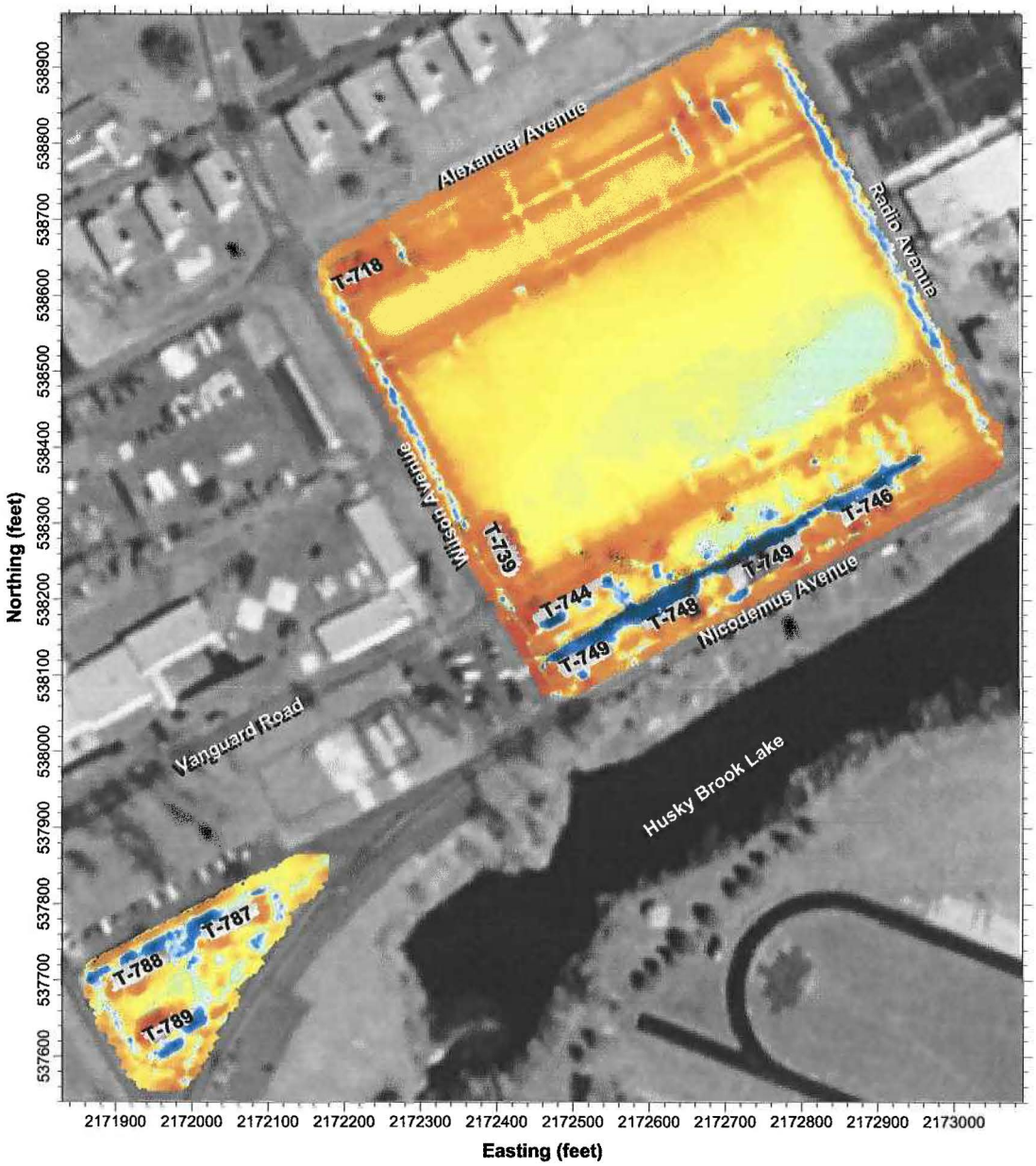
Coordinates in New Jersey State Plane Grid, NAD-27 geodetic datum.

Survey stations from DGPS survey by Enviroscan, Inc.

For clarity, every 5th station shown.

Base map from USGS aerial photograph from Terraserver.

Figure 1 **EM Survey Data Coverage** **700 Area Fort Monmouth, NJ** **Enviroscan, Inc. Project No. 080303 rev. 10/27/03**



Notes:

Coordinates in New Jersey State Plane Grid, NAD-27 geodetic datum.

Survey stations from DGPS survey by Enviroscan, Inc.

Base map from USGS aerial photograph from Terraserver.

Data from Geonics, Ltd. EM-31 insturment, vertical dipole mode.

Figure 2 **EM-31 Terrain Conductivity Data Contours**

700 Area
Fort Monmouth, NJ

Enviroscan, Inc.
Project No. 080303
rev. 10/27/03

Final Report
Geophysical Survey
Compilation and Re-evaluation of Previous Survey Data
Fort Monmouth, Oceanport, NJ
Enviroscan Project Number 111019

(Only Parcel 53 / 700 Area tables and figures included, for brevity)

Prepared for: US Army, Fort Monmouth
Prepared By: Enviroscan, Inc.
March 10, 2011

1051 Columbia Avenue ● Lancaster, PA 17603 ● 717.396.8922 ● Fax 717.396.8746 ● email@enviroscan.com ● www.enviroscan.com

March 10, 2011

Mr. Joseph Fallon
US Army, Fort Monmouth
Directorate of Public Works
ATTN: IMNE-MON-PWE
Building 173
Fort Monmouth, NJ 07703

RE: Geophysical Survey
Compilation and Re-evaluation of Previous Survey Data
Fort Monmouth, Oceanport, NJ
Enviroscan Project Number 111019

Dear Mr. Fallon:

Pursuant to our phone conversations, meetings, and subsequent email communications, Enviroscan, Inc. (Enviroscan) has completed a compilation and reevaluation of all projects performed to date at Fort Monmouth, Oceanport, NJ. The methods and results of this work are described below.

Survey Purpose

The purpose of this survey and report is twofold:

1. To compile the final reports from all work performed by Enviroscan on this site into a single resource document and organize all findings into a single uniform database. This report consolidates Enviroscan projects numbered:

    i. 030301
    ii. 080303
    iii. 060421
    iv. 070521
    v. 060706d
    vi. 100814

2. To perform a final reevaluation of the data and results from previous surveys, leading to a final site visit to scan areas requiring further investigation based on the data reevaluation.

The site project history below summarizes the timing of all work done to date on the site and describes the decision-making processes through time that drove the reevaluation of the survey data, and the further investigative actions required as a result of these processes.

Site Project History

Enviroscan has performed multiple surveys for the Directorate of Public Works (DPW) of Fort Monmouth. The table below lists these surveys in order of completion.

Project #	Location(s)	Purpose	Field Survey End Date
030301	800 Area	Detect and delineate possible underground storage tanks (USTs) and construction debris	05/22/2003
080303	700 Area	Same	10/08/2003
060421	400 Area	Same	08/04/2004
070521	200 Area	Same	08/18/2005
060706d	Parcels 13, 14, 15, 28, 27, 51, 76, and 79	Same	10/11/2007
100814	200, 400, 700, 800	Re-evaluate data to locate anomalies not identified in previous reports	09/18/2008
111019	All previous areas	Scan areas found in final data reevaluation	10/27/2010

Projects 030301, 080303, 060421, 070521 were performed for Douglas Guenther, formerly of the Fort Monmouth DPW. Project 060706d was performed for Shaw Environmental, Inc. for the Environmental Condition of Property (ECP) report under the current Fort Monmouth DPW, Joseph Fallon.

For all of these projects, the areas of concern were first digitally mapped with an EM instrument, either an EM-31 or an EM-61 (described in the Methods section). The processed EM data were then utilized to identify EM anomalies characteristic of underground storage tanks (USTs) and buried debris. Identified anomalies were then re-acquired and further characterized with a TW-6 handheld metal detector and ground penetrating radar (GPR). The classification of anomalies was determined utilizing the results of the handheld metal detector and GPR data. Classifications of anomalies varied with each project depending on the project manager; however, a general scheme can be pulled from the original project findings. EM anomalies were generally classified as: Surface Metal, Possible Subsurface Metallic Debris, and Possible UST. The main distinction between metallic debris and possible UST was the presence of a characteristic hyperbolic-shaped GPR reflection pattern of the type commonly associated with USTs. The full, detailed survey methods are described below.

Field verification, by the DPW, of the data for Project 060706d commenced some time after submittal of the report in March of 2008. Discrepancies between data collected in the 400 Area during Projects 060421 and 060706d were identified and discussed between the DPW and Enviroscan in April of 2008. Several anomalies present in the 060706d data were not apparent in the 060421 data. The major difference between these two projects was the software used to process the data. It was decided that all work pre-dating Project 060706d would be re-processed with the new software package (Oasis Montaj© by Geosoft, Inc.) that was used in the processing of the data for Project 060706d. This software package has different and improved processing and contouring routines than those used in the past (Excel by Microsoft Corp. and Surfer by Golden Software, Inc.). The newly processed and contoured data were then re-examined for EM anomalies that may not have been previously delineated and which exhibited characteristics of a UST. Fieldwork was performed (under Project 100814) to re-acquire and characterize any anomalies identified in the reprocessing of the older data. The results of this project were submitted, and were verified by subsequent fieldwork.

During this period, the DPW also compiled and geo-referenced historic data concerning the location of fuel oil tanks on the base. These data were compared to the results of Enviroscan's surveys in April 2009 and subsequent field verifications, and revealed the need for further evaluation including:

1) The presence of USTs at EM anomalies classified as "possible subsurface debris", and
2) The presence of USTs at locations directly adjacent to buildings and underground utilities, in which the EM-31 anomaly created by the utility or building completely overwhelmed any UST anomaly.

Discussions between the DPW and Enviroscan following these findings resulted in solutions as follows: Regarding Issue 1, it was determined that GPR data were not reliable for determining whether an EM/metal detector anomaly should be characterized as a possible UST. It was concluded that any TW-6 metal detector anomaly with sufficient continuous plan-view dimensions should be classified as a possible UST, even without a confirming hyperbolic GPR reflection. Discussions regarding Issue 2 concluded that areas adjacent to buildings and utilities in which the EM-31 data were saturated were to be scanned with a handheld TW-6 metal detector. The actions agreed upon to accommodate these decisions were:

1) to re-evaluate the findings of all previous surveys with the intent of upgrading any metallic debris anomaly of sufficient size to a possible UST, and

2) to scan with a TW-6 the EM anomalies near buildings and utilities, with particular focus on locations where there is geo-referenced historic data indicating the possible presence of a UST.

3) The TW-6 re-investigation (#2) does not include locations of geo-referenced historic UST data at which cultural interference (i.e. fences, buildings, concrete pads) impedes the survey and locations at which the original EM survey was not affected by interference.

The work done to satisfy these issues was performed under Enviroscan Project 111019. Following the fieldwork for the 111019 survey, it was decided to compile all projects and data into this single, comprehensive report and database.

Survey Objectives

The objectives of each of the surveys performed on site were:

- Projects 030301, 080303, 0604021, and 070521 – to delineate possible USTs and areas of buried debris within client-designated portions of the 800, 700, 400, and 200 Areas respectively.

- Project 060706d – to detect and delineate possible USTs in Parcels 13, 14, 15, 28, 51, 76, and 79; and to detect and delineate possible former debris burial areas in Parcel 27; and to detect and delineate possible former septic tanks and dry wells in Parcel 28.

Each survey consisted of two phases. The first phase involved a reconnaissance-level electromagnetic (EM) digital mapping survey to detect any buried metallic material within the survey boundaries. The second phase consisted of a follow-up metal detection and ground penetrating radar (GPR) investigation to further characterize any anomalies detected by the EM survey. Additionally, two small areas within the Parcel 28 Survey Area (060706d) were to be completely scanned with GPR to delineate suspected, possibly non-metallic, septic systems. The following is a summary in chronological order (see table above) of the site descriptions at the time of the initial EM surveys.

800 Area – Project 030301

The area surveyed (Figure 800 A) consisted of 33 acres, located in and around the 800 Area of the Main Post of Fort Monmouth, NJ. The designated area of concern comprised open grass-covered areas, asphalt-covered parking lots, buildings, and a football field. The chain link fence and bleachers surrounding the football field, picnic tables and benches located at Buildings 822 and 836, automobiles in parking lots, and overhead power lines are examples of cultural interference or surficial debris which were present at the time the survey was completed and may preclude detection of buried materials in their immediate vicinity.

700 Area – Project 080303

The area surveyed (Figure 700 A) consisted of two parcels, located in the 700 Area of the Main Post of Fort Monmouth, NJ. The larger parcel encompassed primarily open, mowed fields with a few buildings (mostly along the southern boundary) and stands of trees. The smaller parcel included paved parking areas and grassy areas between buildings.

400 Area – Project 060421

The area surveyed (Figure 400 A) was located in the 400 Area of the Main Post of Fort Monmouth, NJ. The site encompassed open mowed fields extending south-southeast from Parker's Creek to Tilly Avenue. South of Allen Avenue, the fields were populated with various buildings and other structures.

200 Area – Project 070521

The survey area, as shown in Figure 200 A, consisted of a large parade ground (approximately 17 acres in size), two areas north and south of Building 286 (totaling approximately 2 acres), and Cowan Park, located east of Building 286 (totaling approximately 5 acres). Prior to data collection on or near the roadways within the survey area, a handheld metal detector was utilized to determine the presence or absence of metallic reinforcing. All the roadways within the survey area contained metallic reinforcing; therefore, no data were collected on the roadways. The parking areas and regions adjacent to Building 286 were excluded from the survey due to cultural interference (see Figure 200 A). Note that all former structures have been removed and the ground cover consists of manicured grass.

ECP Report – Project 060706d

Parcels 13, 15, 28, 51, 76, and 79 consisted of a mixture of mowed lawns, meadows, paved parking lots, and roadways (Figures 13 A, 15 A, 28 A, 51 A, 51 D, 51 G, 400 A (Parcel 76 inclusive), and 79 A). Parcels 14 and 27 consisted of wooded and overgrown areas (Figures 14 A and 27). At the time of the survey, the vegetation in Parcel 14 had been brush-hogged to a height of several inches. Many of the areas contained active parking lots that had to be cordoned off into smaller sections to perform the survey. Note that this site description has been modified from the original report to fit the format of this report.

Survey Methods

In order to provide detection of large subsurface metallic targets (e.g. USTs) while minimizing interference from surficial debris, Enviroscan performed a combined reconnaissance-level digital EM mapping and follow-up GPR survey.

Enviroscan first performed an EM terrain conductivity and metal detection survey in each area by either hand-carrying or vehicle-towing a Geonics, Ltd. EM-31 or EM-61 instrument. The 200, 400, 800, and 700 Areas were scanned only with the EM-31. For the ECP survey, the instrument utilized depended on the amount of metallic surface clutter (i.e. fences, cars, metallic debris). The survey areas included in the ECP survey contained crowded parking lots. In such cases where the entire parking lot could be scanned at one time or the survey area was clear of obstructions (Parcel 13, Parcel 14, Parcel 28, the northern two sections of Parcel 51, Parcel 76, and Parcel 79) the EM-31 was utilized because it has a larger footprint and depth of sensitivity (it was originally designed as a "drum finder"), but the towing rig requires a large area in which to turn. In cases where only portions of the parking lot could be cleared or there was metallic surface clutter (Parcel 15, the motorpool section of Parcel 51, and the entrance road section of Parcel 14) the EM-61 was used since it is less sensitive to nearby interference sources, and has a smaller turning radius (but has a reduced footprint and depth of sensitivity).

EM-31

The EM-31 employs an electromagnetic transmitter coil to induce an electric current in the earth. This current creates a secondary electromagnetic field that is measured by a receiver coil at a fixed separation of 3.7 meters from the transmitter coil. The secondary electromagnetic field has two components: the quadrature component which is proportional to the bulk electrical conductivity or terrain conductivity (in millimhos per meter or mmho/m) of the subsurface materials, and the inphase component (in parts per thousand or ppt) which is primarily a measure of the relative concentration of metallic material in the subsurface. Note that in the presence of extremely high terrain conductivity material, the dynamic range of the EM-31 can be exceeded (or "saturated"), and the instrument will register spurious negative conductivities (a physical impossibility). These negative conductivities therefore actually represent very high positive conductivities. Similar saturation in the presence of significant metal can cause a spurious negative inphase response that should also be interpreted as a very high positive value.

For this survey, Enviroscan employed an EM-31 in vertical dipole mode. The instrument is almost completely insensitive to small/scattered material at the ground surface, and has a peak sensitivity to material at a depth of approximately five feet. Below five feet, the sensitivity diminishes approximately logarithmically. Approximately 80 percent of the signal originates at depths of less than 25 feet. Therefore, the terrain conductivity or inphase response measured by the EM-31 in vertical dipole mode represents primarily subsurface electrical properties at a depth of five feet (plus or minus), with little contribution from material at the ground surface, and moderate (and diminishing) contribution from materials down to approximately 25 feet. The vertical dipole EM-31 was selected to screen out the potentially time-varying effects of surficial variations in ground cover, while maintaining a significant effective survey depth.

The EM survey was completed by collecting vertical dipole mode terrain conductivity and inphase data along profiles spaced roughly 10 feet apart. Along survey profiles, measurement stations were defined by automatically triggering matching inphase and conductivity readings at 1 to 10 readings per second as the instrument was hand-carried or towed. Areas 200, 400, 700, and 800 were collected a 1 reading per second due to instrument datalogger limitations during those time periods. This results in a data spacing of 3 to 4 feet. The ECP survey data were collected at rates from 5 to 10 readings per second resulting in a data spacing of 1 to 2 feet.

The actual location of each measurement station was digitally recorded using either a backpack-mounted Trimble ProXR (for pre-ECP data) or a Topcon GMS-110 (for ECP and post-ECP data) global positioning system (GPS) receiver in contact with six to eight position-fixing satellites. The GPS positions were differentially corrected using data from a U.S. Coast Guard radio beacon located in Sandy Hook, NJ. The resulting differential GPS (DGPS) positions have a nominal accuracy of better than 3 feet (+/-). The EM stations are depicted as small yellow dots in the data coverage for Figures 200A, 700A, 800A, 13A, 14A, 15, A, 28A, 51A, 51 D, 79A. For Figure 400 A, the data coverage appears as dots colored yellow for data collected during the ECP survey (060706d), orange for data collected during the 400 Area survey (060421), and pink for data collected during the first data re-evaluation survey (100814).

The EM-31 inphase and terrain conductivity data were contoured using minimum curvature gridding routines in Geosoft Oasis Montaj ™. The inphase response and terrain conductivity contours area are depicted in Figures 200 B and C, 400 B and C, 700 B and C, 800 B and C, 13 B and C, 14 B and C, 28 B and C, 51 B and C, 51 E and F, 79 B and C, respectively. Note that the inphase contour levels, in parts per trillion (ppt) are presented as shades of green to red to yellow for increasing positive values and green to blue for increasingly negative values (the equivalent of very high positive values — see above). The conductivity contour levels, in milliSiemens per meter (mS/m), are presented as shades of green to yellow to orange for increasing positive values and green to blue for increasingly negative values (the equivalent of very high positive values — see above).

EM-61

In some areas, Enviroscan also utilized a Geonics EM-61 MK2 instrument. The EM-61 uses a one-meter by ½-meter coil to transmit 150 electromagnetic pulses per second into the ground at each measurement station. A second coil directly above the transmitter, as well as the transmitter itself between pulses, record the decay of transient electrical currents induced by the transmitted pulses at three fixed time gates. Electrical currents in moderately conductive earth materials (e.g. electrolytic soils) dissipate rapidly, leaving the more prolonged currents due to buried metallic objects. The EM-61 measures the surficial electrical potential due to the prolonged subsurface currents, providing a digital read-out of the relative metallic content of the subsurface. Note that the differential response between the top and bottom coils can be used to minimize (but not entirely eliminate) the response from surficial metallic reinforcing or debris that would mask the presence of deeper metal from standard EM, magnetic, metal detector, or GPR instruments.

To complete the EM-61 survey, a system of 5-foot profiles (depicted as rows of tiny yellow dots in Figures 15 A, 51 G, and a small portion of 14 A) was scanned by hand- or vehicle- towing the trailer-mounted EM-61 through all accessible areas of the site. A handheld computer digitally recorded EM-61 station measurements at 5 to 8 readings per second along each profile (for an average station spacing of approximately 8 to 10 inches). The location of each measurement was digitally recorded using a trailer-mounted Topcon GMS-110 geographic positioning system (GPS) receiver in contact with six to eight position-fixing satellites. The GPS positions were differentially corrected using data from a U.S. Coast Guard radio beacon located in Sandy Hook, NJ. The resulting differential GPS (DGPS) positions have a nominal accuracy of better than 3 feet. The EM-61 scanning results are depicted as contours of the individual EM-61 station measurements in Figures 15 B, 51 H and 14 B and C. The contours represent the differential coil response and therefore depict subsurface metal with positive values (in millivolts or mV), with the effect of particularly massive surficial metal targets represented by spurious negative values. The contours were calculated using the minimum curvature algorithm in Oasis Montaj™ by Geosoft, Inc.

TW-6

The Fisher TW-6 pipe and cable locator was utilized in several ways during all of the site surveys. In particular, during the EM data collection phase of the ECP surveys the TW-6 was used to:

- scan areas in which the GPS signal needed for proper location of the EM survey data was insufficient to provide effective location control (such as areas directly adjacent to buildings and heavily wooded areas on Parcels 13, 15, 27, 51, and the motorpool).

- scan in locations not previously scanned by other EM equipment due to the presence of surface obstructions, such as unmoved cars, during the initial EM surveys.

During the follow-up GPR survey the TW-6 was utilized to:

- assist in relocation and delineation of targets identified during digital EM-31 or EM-61 mapping (all surveys).

Finally, during the data reevaluation (100814, and 111019) surveys, the TW-6 was utilized to:

- scan within a 20-foot apron around buildings and along utility corridors to identify possible USTs that could have been masked by the anomalies resulting from the proximity (nearby or below) of metal in the building structures and metallic piping/wiring in subsurface utility corridors, and

- scan in locations found in the data re-evaluation of Areas 200, 400, 700, and 800 that had not previously scanned by other EM equipment due to the presence of surface obstructions, such as cars, during the initial EM mapping surveys (i.e. to fill "data gaps"). Please note that in Parcels 700 and 800 there were several buildings present during the initial EM surveys in 2003 that were subsequently removed before the data re-evaluations surveys (2008 and 2010). The footprints of those former buildings were also scanned with the TW-6.

In pipe and cable search mode, the TW-6 is essentially a deep-sensing metal detector that detects any highly electrically conductive materials (e.g. metals) by creating an electromagnetic field with a transmitting coil. A receiving coil at a fixed separation from the transmitter measures the field strength. As the instrument is swept along the ground surface, subsurface metallic bodies distort the transmitted field. The change in field strength/orientation is sensed by the receiver, setting off an audible alarm and/or causing deflection of an analog meter. The TW-6 can nominally detect a 2-inch metal pipe to a depth of 8 feet and a 10-inch metal pipe to a depth of 14 feet.

Data Evaluation and GPR Follow-up

The EM mapping data were inspected for strong anomalies with distinct boundaries and footprint dimensions sufficient to be consistent with a buried metallic UST. For the EM-31, typically the values of the inphase and terrain conductivity reading over a large concentration of metal are both elevated; however, in some cases the inphase reading may not significantly deviate from background levels while the terrain conductivity readings deviate significantly. Therefore, both the inphase and terrain conductivity data were inspected for anomalies consistent with buried metal. For the ECP survey (060706d), these anomalies were compared to high-resolution aerial photos to identify any obvious surficial sources for the EM anomalies, such as catch basins and manhole covers. For the ECP survey, anomalies with no obvious source were designated as targets, and positions for these anomalies were uploaded into the GPS controller for later navigation/reacquisition during the GPR follow-up survey. For the pre-ECP surveys, all EM anomalies consistent with a buried metallic object were designated as targets because high-resolution aerial photos were not available at the time of the surveys.

Electronic maps of the contoured EM data were generated and utilized in concert with GPS navigation to determine the possible sources of the target anomalies in each survey area. Each anomaly location was inspected and its source was determined. Common sources included metallic surface debris not seen on the aerial photos (i.e. metal scraps and debris, metallic equipment), subsurface utilities as evidenced by associated surface objects (catchbasins, manholes), and subsurface metal of unknown source. The most common source of metallic surface debris was manhole covers, storm catch basins, and metal road signs. In the case of an unknown possible subsurficial source, a Fisher Labs TW-6 handheld metal detector was utilized to reacquire and characterize the plan-view footprint of that target. The TW-6 was utilized because it has a similar sensitivity and response to subsurface metal as the EM-61. The TW-6 has an audible alarm and visual meters that indicate the strength of the response, allowing the operator to mark the location of the EM anomaly's outer boundary.

Following navigation to EM anomalies (using DGPS) and delineation with the TW-6 handheld metal detector, the EM targets were then scanned with GPR to identify any continuous, high-amplitude hyperbolic reflections of the type commonly associated with USTs. GPR systems produce cross-sectional images of subsurface features and layers by continuously emitting pulses of radar-frequency energy from a scanning antenna as it is towed along a survey profile. The radar pulses are reflected by interfaces between materials with differing dielectric properties. The reflections return to the antenna and are displayed on a color monitor as a continuous cross section in real time. Since the electrical properties of metal are distinctly different from soil and backfill materials, metallic pipes and other structures produce dramatic and characteristic reflections. Fiberglass, plastic, concrete, and terra-cotta pipes and structures also produce recognizable, but less dramatic reflections. Scanning was performed using a GSSI SIR-2000 GPR unit with a color display and internal hard-drive, and a 400 or 500 MegaHertz (MHz) antenna nominally capable of scanning to depths of up to 10 feet, depending on soil conditions. In the southern two areas of Parcel 51, much of the paved areas were underlain by fill material containing suspected slag. GPR signal penetration was limited to less than 3 to 5 feet in these areas.

GPR scanning was performed by hand-towing the antenna along numerous and variously-oriented profiles crossing the footprints of EM anomalies defined by the TW-6. The GPR profiles were inspected in real time to identify reflections of the type commonly associated with cylindrical targets like tanks and drums.

Targets that were positively re-acquired with the TW-6 that did not result from surface metallic features, and had a recognizable GPR reflection associated with the metallic anomaly were then classified in several ways. The final classification regarding the possible UST and suspected UST classes was decided at the meeting between Enviroscan and the DPW in June of 2010, as follows:

- Surface Metal (SM) – target re-acquisition revealed a surface metal source for the EM anomaly.

- False Positive (FP) – target re-acquisition resulted in no detectable surface metal source and no TW-6 response associated with the mapped EM anomaly. These could be caused by very small buried debris, transient EM interference from passing cars, operator-induced spikes such as from inadvertently jerking or twisting the instrument, causing the GPS antenna or the operator's body to move within the field of sensitivity.

- Identified Metal (IM) – target re-acquisition resulted in subsurface metal with an indentified source such as utility pipe or line.

- Metallic Debris (MD) – a singular metallic target without the sufficient footprint dimensions to be a UST, and showing no GPR reflection characteristics indicative of a UST.

- Possible UST (PT) – a singular metallic target with sufficient size and shape for a UST, but that **does not have** GPR reflections characteristic of a UST.

- Suspected UST (ST) – A singular metallic target with the proper size, shape, and high-amplitude hyperbolic GPR reflections characteristic of a UST.

Anomalies that did not fit into the above categories, for various reasons, are described individually below. Also note the anomalies classified as Surface Metal, False Positive, and Identified Metal are depicted as a singular symbol on all maps. This was done because all three of these classifications will not result in the need to revisit any of these anomalies types and also to simplify the maps.

200 Area Results

(Formerly 070521)

The EM inphase and terrain conductivity survey results are depicted on Figures 200 B and 200 C, respectively. Enviroscan initially reported 19 anomalies in the original survey for the 200 Area (070521). The data re-evaluations delineated no additional targets (100814 and 111019) and upgraded two former targets to Possible USTs. Additionally, four large area terrain conductivity anomalies (labeled A through D, Figures 2 and 3) were delineated within the survey area. The color scheme for the terrain conductivity for this area was altered from the original to enhance these four anomalies. Anomalies A and B could be related to former structures although no known former structures were located at those locations. Anomaly C, directly adjacent to Wallington Avenue, is located very close to a known former structure. Anomaly D is coincident with a former parking lot. Multiple linear high-amplitude anomalies consistent with utilities (see green dash-dot lines, Figures 200 B and 200 C) are visible within the data set.

The TW-6 was utilized to scan the utility corridors in which the saturated EM data may have masked the presence of a UST. The scanning found no additional targets.

Results of the GPR/TW-6 follow-up scanning are given in Table 1. In summary, GPR scanning of the 19 targets revealed:

- 9 targets that were associated with surface metal (SM);
- 2 targets that could not be relocated with the TW-6 (FP);
- 1 target with the characteristics of an abandoned-in-place utility (IM);
- 4 targets that are interpreted as buried manhole covers (IM);
- 2 targets with TW-6 anomalies large enough to be a UST; however, the GPR showed only multiple high-amplitude near-surface reflections. These anomalies are classified as possible USTs (PT); and
- 1 target that had continuous, high-amplitude parabolic reflections indicative of a suspected buried intact UST (ST).

400 Area Results

(Formerly 060421 and ECP Parcel 79)

The EM-31 survey results for the 400 Area also include the results for Parcel 79 of the ECP Report (060706d). The results are depicted in Figures 400 B and 400 C, showing the inphase and terrain conductivity results, respectively. Enviroscan initially reported one GPR anomaly consistent with a UST and 215 anomalies associated with surface metal in the original survey for the 400 Area (060421). The scanning performed for the ECP - Parcel 76 survey showed 34 anomalies (060706d). Multiple linear high-amplitude anomalies consistent with utilities (see green dash-dot lines, Figures 400 B and 400 C) are visible within the data set.

The data re-evaluations added seven additional targets and upgraded eight former targets to possible USTs (100814 and 111019).

The TW-6 was utilized to scan the utility corridors and building perimeters in which the saturated EM data may have masked the presence of a UST. The scanning found three additional targets with a TW-6 footprint large enough to be a UST. GPR scanning was not performed for these anomalies.

Results of the GPR/TW-6 follow-up scanning for all targets are listed in Table 1. In summary, follow-up scanning of the 261targets revealed:

- 222 targets that were associated with surface metal (SM);
- 2 targets that could not be relocated with the TW-6 (FP);
- 6 target with the characteristics of an in place utility (IM);
- 12 targets with TW-6 footprints too small to be USTs and GPR images not characteristic of USTs (MD);
- 15 targets with TW-6 anomalies large enough to be a UST; however, the GPR showed only multiple high-amplitude near-surface reflections. These anomalies are classified as possible USTs (PT); and
- 4 targets with high-amplitude parabolic reflections indicating a possible UST (ST).

700 Area

(Formerly 080303)

The EM-31 survey results are depicted in Figures 700 B and 700 C, showing the inphase and terrain conductivity results, respectively. Enviroscan initially reported 60 anomalies in the original survey for the 700 Area (080303). Multiple linear high-amplitude anomalies consistent with utilities (see green dash-dot lines in Figures 700 B and 700 C) are visible within the data set.

The data re-evaluations delineated six additional targets (100814), two of which showed characteristics consistent with the Possible UST classification, and 19 former unknowns that were upgraded to Possible USTs (see explanation below).

Please note that the original field notes for this survey (080303) do not indicate TW-6 footprint size of the re-acquired EM anomalies. The original report text does indicate that GPR scanning of the anomalies did not delineate any high-amplitude parabolic features characteristic of USTs. As a result, 19 of the EM targets have to be classified as Possible USTs (PT). Also note that seven of those anomalies are in close proximity to the DPW's geo-referenced fuel tank data.

The TW-6 was utilized to scan the utility corridors and former building perimeters in which the saturated EM data may have masked the presence of a UST. Please note that in the time between the original EM-31 survey (2003) and the most recent survey, many of the buildings present in the 2003 survey area were removed (see buildings with red "X", Figures 700 B and C). Subsequently, these former building footprints were also scanned with the TW-6. The TW-6 scanning found two additional targets with a TW-6 footprint large enough to be a UST. GPR scanning was not performed for these anomalies.

The results of the GPR/TW-6 follow-up scanning are listed in Table 1. In summary, GPR scanning of the 68 targets revealed:

- 38 targets that were associated with surface metal (SM);
- 3 target with the characteristics of an in-place utility (IM);
- 4 targets with TW-6 footprints too small to be USTs and GPR images not characteristic of USTs (MD);
- 19 targets with unknown TW-6 anomaly footprint, and GPR anomalies not characteristic of USTs. These anomalies are classified as possible USTs (PT). and;
- 4 targets with TW-6 anomalies large enough to be USTs; however, the GPR showed only multiple high-amplitude near-surface reflections. These anomalies are classified as possible USTs (PT).

800 Area

(Formerly 030301)

The EM-31 survey results are depicted in Figures 800 B and 800 C, showing the inphase and terrain conductivity results, respectively. Enviroscan initially reported 93 anomalies in the original survey for the 800 Area (030301). Multiple linear high amplitude anomalies consistent with utilities (see green dash dot lines in Figures 700 B and 700 C) are visible within the data set.

The TW-6 was utilized to scan the utility corridors and former building perimeters in which the saturated EM data may have masked the presence of a UST. Please note that in the time between the original EM-31 survey (2003) and the most recent survey, many of the buildings present in the 2003 survey area were removed (see buildings with red "X", Figures 800 B and C). Subsequently, these former building footprints were also scanned with the TW-6.

Survey Results Summary

The following table summarizes the total number of Metallic Debris, Possible USTs, Suspected USTs and Suspected septic tanks. A more detailed tabulation is included as Table 2.

Area	Metallic Debris	Possible USTs	Suspected USTs	Suspected Septic Tanks
200	0	2	1	0
400 and ECP Parcel 79	12	15	4	0
700	4	23	0	0
800	8	5	15	0
ECP Parcel - 13	1	2	0	0
ECP Parcel - 14	29	1	0	0
ECP Parcel - 15	31	1	0	0
ECP Parcel - 27	NA	NA	NA	NA
ECP Parcel - 28	4	0	1	2
ECP Parcel - 51	8	11	12	0
ECP Parcel - 76	2	1	7	0
Total	99	61	40	2

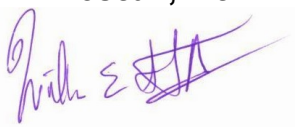
Limitations

The geophysical survey described above was completed using standard and/or routinely accepted practices of the geophysical industry and equipment representing the best available technology. Enviroscan does not accept responsibility for survey limitations due to inherent technological limitations or site-specific conditions. However, we make every effort to identify and notify the client of such limitations or conditions.

Note that by re-processing older data with current software, and revisiting identified anomalies with current instruments, Enviroscan has reached the limit of the current best available technology for detecting USTs and discriminating them from remnants of structures, utilities, debris and other clutter.

We have appreciated this opportunity to have worked with you. If you have any questions, please do not hesitate to contact the undersigned.

Sincerely,
Enviroscan, Inc.



William E. Steinhart III, M.Sc., P.G.
Geophysics Project Manager

Technical Review By:
Enviroscan, Inc.



Felicia Kegel Bechtel, M.Sc., P.G.
President

enc.: Figure 200A: Parcel 13, EM-31 Data Coverage
Figure 200B: Parcel 13, EM-31 Inphase Response
Figure 200C: Parcel 13, EM-31 Terrain Conductivity Response

Figure 400A: Parcel 13, EM-31 Data Coverage
Figure 400B: Parcel 13, EM-31 Inphase Response
Figure 400C: Parcel 13, EM-31 Terrain Conductivity Response

Figure 700A: Parcel 13, EM-31 Data Coverage
Figure 700B: Parcel 13, EM-31 Inphase Response
Figure 700C: Parcel 13, EM-31 Terrain Conductivity Response

Figure 800A: Parcel 13, EM-31 Data Coverage
Figure 800B: Parcel 13, EM-31 Inphase Response
Figure 800C: Parcel 13, EM-31 Terrain Conductivity Response

Figure 13A: Parcel 13, EM-31 Data Coverage
Figure 13B: Parcel 13, EM-31 Inphase Response
Figure 13C: Parcel 13, EM-31 Terrain Conductivity Response

Figure 14A: Parcel 14, EM-31 Data Coverage
Figure 14B: Parcel 14, EM-31 Inphase Response
Figure 14C: Parcel 14, EM-31 Terrain Conductivity Response

Figure 15A: Parcel 15, EM-61 Data Coverage
Figure 15B: Parcel 15, EM-61 Differential Response

Figure 27: Parcel 27, TW-6 Investigation

Figure 28A: Parcel 28, EM-31 Data Coverage
Figure 28B: Parcel 28, EM-31 Inphase Response
Figure 28C: Parcel 28, EM-31 Terrain Conductivity Response

Figure 51 A: Parcel 51-Adjacent to Building 600, EM-31 Data Coverage
Figure 51 B: Parcel 51-Adjacent to Building 600, EM-31 Inphase Response
Figure 51 C: Parcel 51-Adjacent to Building 600, EM-31 Terrain Conductivity Response

Figure 51 D: Parcel 51– Between Semaphore Ave and Avenue of Memories, EM-31 Data Coverage
Figure 51 E: Parcel 51 – Between Semaphore Ave and Avenue of Memories, EM-31 Inphase Response
Figure 51 E: Parcel 51– Between Semaphore Ave and Avenue of Memories, EM-31 Terrain Conductivity Response

Figure 51 G: Parcel 51- Motorpool, EM-61 Data Coverage
Figure 51 H: Parcel 51- Motorpool, EM-61 Differential Response

Figure 76A: Parcel 76, EM-31 Data Coverage
Figure 76B: Parcel 76, EM-31 Inphase Response
Figure 76C: Parcel 76, EM-31 Terrain Conductivity Response
Figure 76D: Parcel 76, EM-61 Test Results

Table 1: GPR and Metal Detection Follow-up Survey Results
Table 2: Tabulation of Targets resulting in a classification of:
Metallic Debris, Possible UST, and Suspected UST



Notes:

Coordinates in New Jersey State Plane Grid, NAD83 datum.

Data collected with Geonics, Ltd. EM-31.

Aerial photo supplied by Shaw Environmental, Inc.

Scale 1" = 100'

50 0 50 100 150

(feet)

- EM Data Station
- Metallic Surface Object
- Subsurface Metallic Debris (non-UST)
- Possible UST
- Suspected UST
- No Metal Object Found Associated with this Anomaly
  Anomaly Associated with Confirmed Subsurface Utility
  Anomaly Associated with Surface Object (Metal Constituents in Structure)
- Area Scanned with TW-6, excluding utility trenches
- Linear Anomaly, Suspected Utility

Prepared For:

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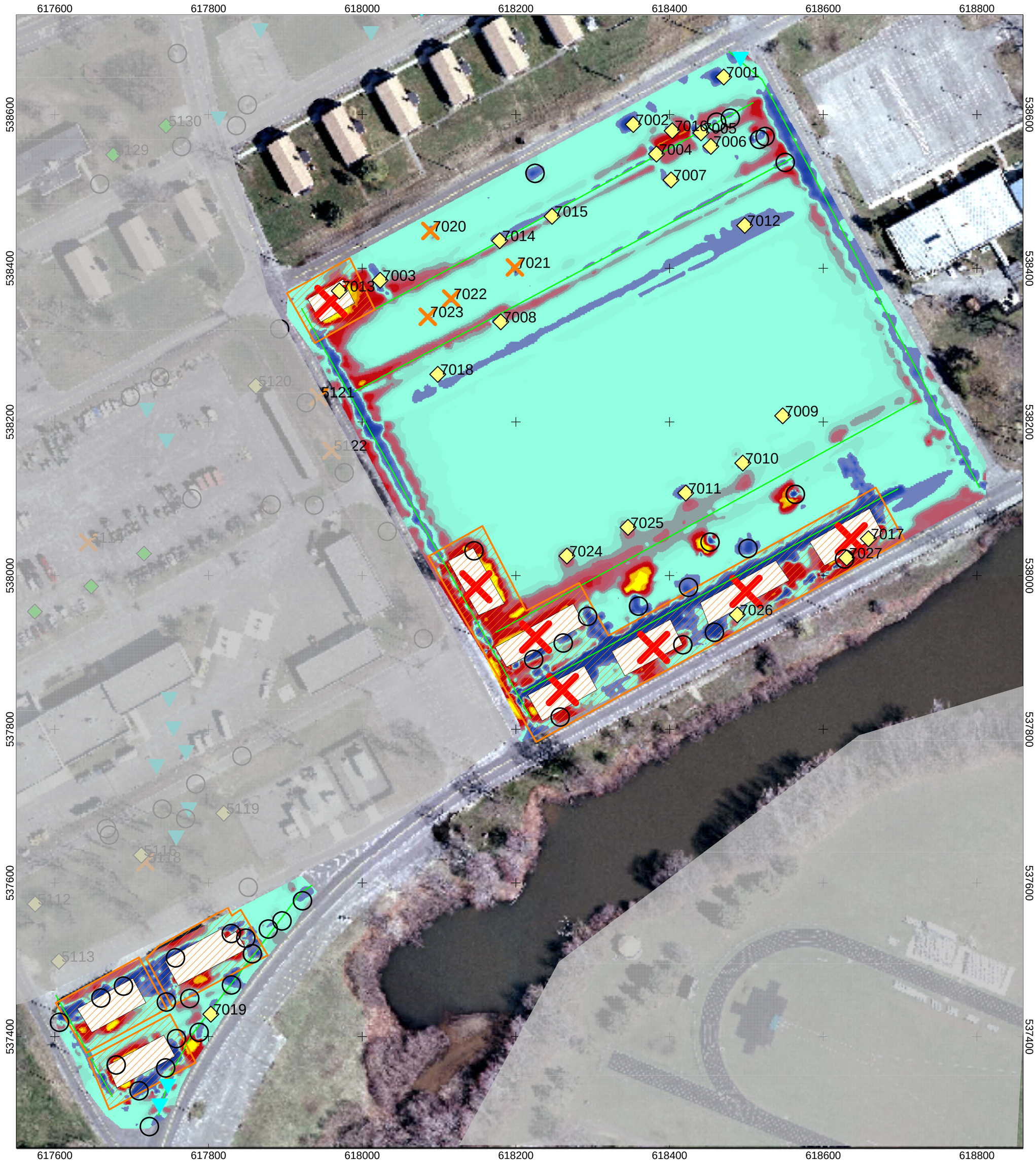
700 Area

Data Coverage

700 Area
Main Base
Fort Monmouth, NJ

Figure **700 A**

Project Number	Revision/Issue	Drawn By:
111019 Original 080303	12/01/10	WES
Original Scale	Survey Ending Date:	Approved By:
1" = 100'	10/28/10 Original 10/08/03	FKB



Notes:

Coordinates in New Jersey State Plane Grid, NAD83 datum.

Data collected with Geonics, Ltd. EM-31.

Aerial photo supplied by Shaw Environmental, Inc.

Scale 1" = 100'

50 0 50 100 150

(feet)

EM-31 Inphase Response

(ppt)

-32.0 -24.0 -16.0 -8.0 -2.0 4.0 10.0 18.0 26.0

Increasing Metallic Response

- Metallic Surface Object
- Subsurface Metallic Debris (non-UST)
- Possible UST
- Suspected UST
- No Metal Object Found Associated with this Anomaly
  Anomaly Associated with Confirmed Subsurface Utility
  Anomaly Associated with Surface Object (Metal Constituents in Structure)
- Area Scanned with TW-6, excluding utility trenches
- Linear Anomaly, Suspected Utility
- Building Removed Between 2003 and Present

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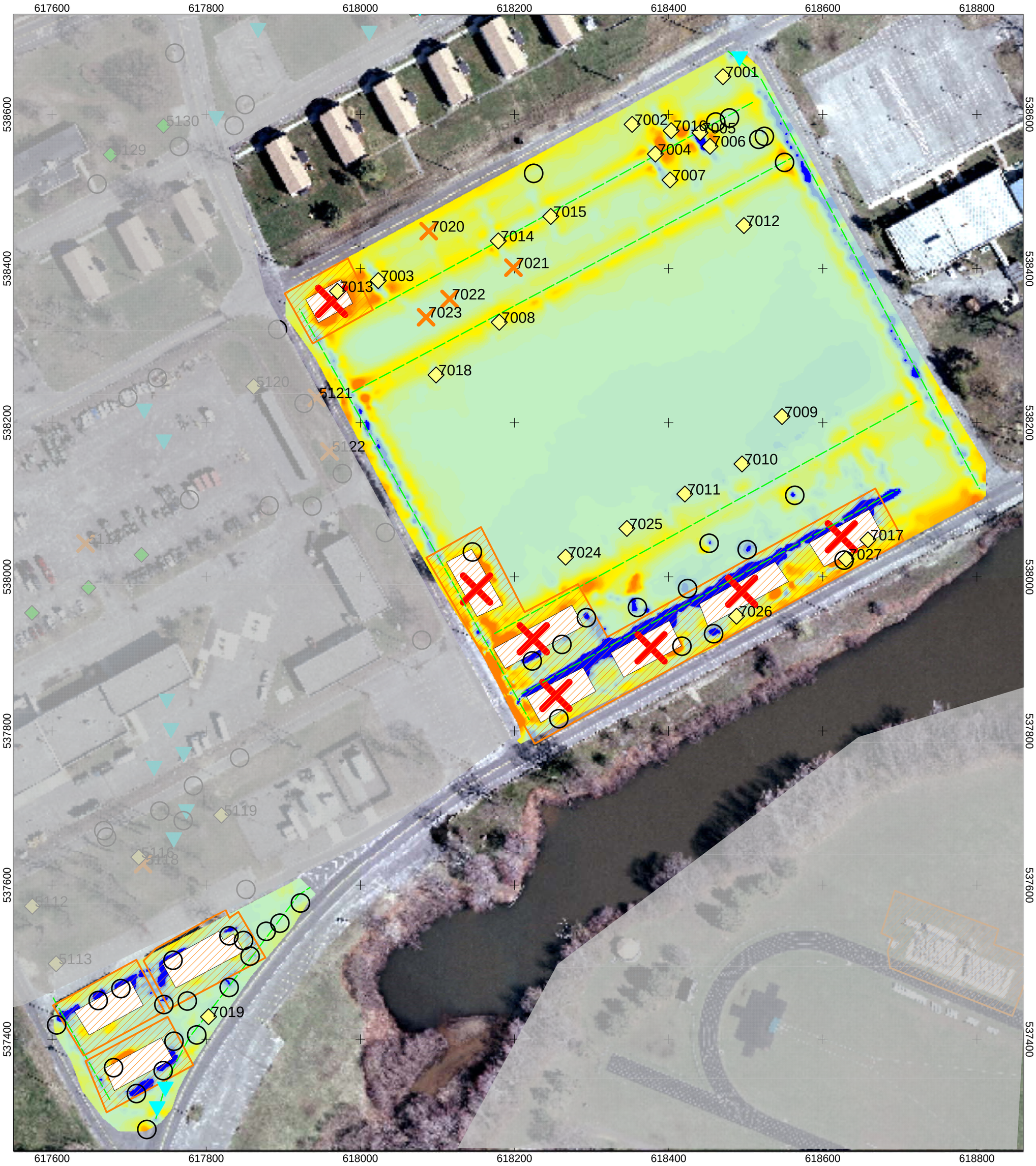
700 Area

Inphase Results

700 Area
Main Base
Fort Monmouth, NJ

Figure **700 B**

Project Number: 111019 Original 080303	Revision/Issue: 12/01/10	Drawn By: WES
Original Scale: 1" = 100'	Survey Ending Date: 10/28/10 Original 10/08/03	Approved By: FKB



Notes:

Coordinates in New Jersey State Plane Grid, NAD83 datum.

Data collected with Geonics, Ltd. EM-31.

Aerial photo supplied by Shaw Environmental, Inc.

Scale 1" = 100'

50 0 50 100 150

(feet)

EM-31 Terrain Conductivity

(mS/m)

-14.0 26.0 46.0 62.0 78.0 94.0 112.0 138.0

- Metallic Surface Object
- Subsurface Metallic Debris (non-UST)
- Possible UST
- Suspected UST
- No Metal Object Found Associated with this Anomaly
  Anomaly Associated with Confirmed Subsurface Utility
  Anomaly Associated with Surface Object (Metal Constituents in Structure)
- Area Scanned with TW-6, excluding utility trenches
- Linear Anomaly, Suspected Utility
- Building Removed Between 2003 and Present

Prepared For:

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700 Area

Terrain Conductivity Results

700 Area
Main Base
Fort Monmouth, NJ

Figure **700 C**

Project Number: 111019 Original 080303	Revision/Issue: 12/01/10	Drawn By: WES
Original Scale: 1" = 100'	Survey Ending Date: 10/28/10 Original 10/08/03	Approved By: FKB

Table 1
Ground Penetrating Radar and
Metal Detection
Follow-up Survey Results

Anomaly ID	Former Anomaly ID	Original Project #	Anomaly Re-Acquired by Small Area Metal Detection	Metal Detection (MD) Anomaly Size (feet)	GPR Anomaly Size (feet)	Description From Original Report	Easting	Northing	New Classification	Upgraded to PT from MD	Notes
700 Area											
	BI01	080303	Not Recorded	Not Recorded	Not Recorded	Water Line	618492.2	538674.9	IM		
7001	BI02	080303	Not Recorded	Not Recorded	Not Recorded	unknown	618470.5	538649.0	PT	Upgrade	
7002	BI03	080303	Not Recorded	Not Recorded	Not Recorded	unknown	618352.7	538587.2	PT	Upgrade	
	BI04	080303	Not Recorded	Not Recorded	Not Recorded	Catch Basin	618224.9	538523.6	SM		
7003	BI05	080303	Not Recorded	Not Recorded	Not Recorded	unknown	618023.3	538384.4	PT	Upgrade	
7004	BI06	080303	Not Recorded	Not Recorded	Not Recorded	unknown	618382.9	538548.7	PT	Upgrade	
7005	BI07	080303	Not Recorded	Not Recorded	Not Recorded	unknown	618440.9	538576.3	PT	Upgrade	
	BI08	080303	Not Recorded	Not Recorded	Not Recorded	Backstop	618461.2	538590.2	SM		
	BI09	080303	Not Recorded	Not Recorded	Not Recorded	Backstop	618479.0	538595.5	SM		
	BI10	080303	Not Recorded	Not Recorded	Not Recorded	Bleachers	618524.3	538571.6	SM		
	BI11	080303	Not Recorded	Not Recorded	Not Recorded	Bleachers	618517.0	538567.8	SM		
7006	BI12	080303	Not Recorded	Not Recorded	Not Recorded	unknown - Near White Card Data UST Location	618453.7	538558.7	PT	Upgrade	Description text changed to reflect new Information
7007	BI13	080303	Not Recorded	Not Recorded	Not Recorded	unknown	618401.9	538515.0	PT	Upgrade	
7008	BI14	080303	Not Recorded	Not Recorded	Not Recorded	unknown - Near White Card Data UST Location	618180.3	538330.3	PT	Upgrade	Description text changed to reflect new Information
	BI15	080303	Not Recorded	Not Recorded	Not Recorded	Catch Basin	618550.5	538537.8	SM		
7009	BI16	080303	Not Recorded	Not Recorded	Not Recorded	unknown - Near White Card Data UST Location	618547.2	538208.0	PT	Upgrade	Description text changed to reflect new Information
7010	BI17	080303	Not Recorded	Not Recorded	Not Recorded	unknown - Near White Card Data UST Location	618495.3	538146.5	PT	Upgrade	Description text changed to reflect new Information
7011	BI18	080303	Not Recorded	Not Recorded	Not Recorded	unknown - Near White Card Data UST Location	618421.1	538107.5	PT	Upgrade	Description text changed to reflect new Information
	BI19	080303	Not Recorded	Not Recorded	Not Recorded	fire escape	618145.4	538032.3	SM		
	BI20	080303	Not Recorded	Not Recorded	Not Recorded	parked car	618452.6	538043.6	SM		
	BI21	080303	Not Recorded	Not Recorded	Not Recorded	parked car	618563.7	538105.8	SM		
7012	BI22	080303	Not Recorded	Not Recorded	Not Recorded	unknown - Near White Card Data UST Location	618497.8	538455.8	PT	Upgrade	Description text changed to reflect new Information
	BI23	080303	Not Recorded	Not Recorded	Not Recorded	Sidewalk	618502.0	538035.3	SM		
	BI24	080303	Not Recorded	Not Recorded	Not Recorded	Sidewalk	618424.6	537984.8	SM		
	BI25	080303	Not Recorded	Not Recorded	Not Recorded	Sidewalk	618359.6	537960.3	SM		
	BI26	080303	Not Recorded	Not Recorded	Not Recorded	Sidewalk and Rail	618458.4	537926.2	SM		
7013	BQ01	080303	Not Recorded	Not Recorded	Not Recorded	unknown	617970.2	538370.6	PT	Upgrade	
7014	BQ02	080303	Not Recorded	Not Recorded	Not Recorded	unknown	618179.0	538435.9	PT	Upgrade	
7015	BQ03	080303	Not Recorded	Not Recorded	Not Recorded	unknown	618247.1	538467.7	PT	Upgrade	
7016	BQ04	080303	Not Recorded	Not Recorded	Not Recorded	unknown	618403.4	538579.0	PT	Upgrade	
	BQ05	080303	Not Recorded	Not Recorded	Not Recorded	Stair Rail	618293.4	537947.0	SM		
	BQ06	080303	Not Recorded	Not Recorded	Not Recorded	Stair Rail	618261.6	537912.3	SM		
	BQ07	080303	Not Recorded	Not Recorded	Not Recorded	Stair Rail	618223.1	537890.9	SM		
	BQ08	080303	Not Recorded	Not Recorded	Not Recorded	Air Conditioning Condenser	618257.6	537815.9	SM		
	BQ09	080303	Not Recorded	Not Recorded	Not Recorded	Fire Escape	618417.3	537910.0	SM		
	BQ10	080303	Not Recorded	Not Recorded	Not Recorded	Air Conditioning Condenser	618627.7	538021.7	SM		
7017	BQ11	080303	Not Recorded	Not Recorded	Not Recorded	unknown	618658.7	538048.0	PT	Upgrade	
7018	BQ12	080303	Not Recorded	Not Recorded	Not Recorded	unknown - Near White Card Data UST Location	618098.3	538262.0	PT	Upgrade	Description text changed to reflect new Information
	SI01	080303	Not Recorded	Not Recorded	Not Recorded	Catch Basin	617922.3	537576.8	SM		
	SI02	080303	Not Recorded	Not Recorded	Not Recorded	Sidewalk	617848.5	537528.1	SM		
	SI03	080303	Not Recorded	Not Recorded	Not Recorded	Sidewalk	617857.0	537507.8	SM		
	SI04	080303	Not Recorded	Not Recorded	Not Recorded	Sidewalk	617829.8	537467.2	SM		

Table 1
Ground Penetrating Radar and
Metal Detection
Follow-up Survey Results

Anomaly ID	Former Anomaly ID	Original Project #	Anomaly Re-Acquired by Small Area Metal Detection	Metal Detection (MD) Anomaly Size (feet)	GPR Anomaly Size (feet)	Description From Original Report	Easting	Northing	New Classification	Upgraded to PT from MD	Notes
	SI05	080303	Not Recorded	Not Recorded	Not Recorded	Sidewalk	617775.5	537449.6	SM		
	SI06	080303	Not Recorded	Not Recorded	Not Recorded	Sidewalk	617758.2	537397.4	SM		
7019	SI07	080303	Not Recorded	Not Recorded	Not Recorded	unknown	617803.0	537429.2	PT	Upgrade	
	SI08	080303	Not Recorded	Not Recorded	Not Recorded	Guy Wire	617787.7	537405.6	SM		
	SI09	080303	Not Recorded	Not Recorded	Not Recorded	Sidewalk	617745.1	537445.0	SM		
	SI10	080303	Not Recorded	Not Recorded	Not Recorded	Water Line	617746.9	537338.1	IM		
	SI11	080303	Not Recorded	Not Recorded	Not Recorded	Water Line	617736.4	537312.6	IM		
	SI12	080303	Not Recorded	Not Recorded	Not Recorded	Catch Basin	617723.0	537282.9	SM		
	SI13	080303	Not Recorded	Not Recorded	Not Recorded	Sidewalk	617829.6	537534.2	SM		
	SI14	080303	Not Recorded	Not Recorded	Not Recorded	Sign	617877.8	537540.0	SM		
	SI15	080303	Not Recorded	Not Recorded	Not Recorded	Hydrant and Valve	617895.6	537550.6	SM		
	SQ01	080303	Not Recorded	Not Recorded	Not Recorded	Gas Meter	617679.8	537363.1	SM		
	SQ02	080303	Not Recorded	Not Recorded	Not Recorded	Sidewalk	617606.0	537418.6	SM		
	SQ03	080303	Not Recorded	Not Recorded	Not Recorded	Sidewalk	617659.9	537450.2	SM		
	SQ04	080303	Not Recorded	Not Recorded	Not Recorded	Sidewalk	617689.3	537465.7	SM		
	SQ05	080303	Not Recorded	Not Recorded	Not Recorded	Sidewalk	617756.9	537502.5	SM		
	SQ06	080303	Not Recorded	Not Recorded	Not Recorded	Sidewalk	617744.2	537359.2	SM		
	SQ07	080303	Not Recorded	Not Recorded	Not Recorded	Sidewalk	617709.5	537329.5	SM		
7020	701	100814	Yes	< 2 x 2	< 2 x 2	Moderate-amplitude point target/anomaly, buried debris.	618088.7	538448.6	MD		
7021	702	100814	Yes	< 2 x 2	< 2 x 2	Moderate-amplitude point target/anomaly, buried debris.	618198.7	538401.2	MD		
7022	703	100814	Yes	< 2 x 2	< 2 x 2	Moderate-amplitude point target/anomaly, buried debris.	618115.8	538360.6	MD		
7023	704	100814	Yes	< 2 x 2	< 2 x 2	Moderate-amplitude point target/anomaly, buried debris.	618085.3	538336.9	MD		
7024	705	100814	Yes	< 4 x 4	< 2 x 2	Moderate-amplitude point target/anomaly- Near White Card Data UST Location, possible UST.	618266.4	538025.6	PT		
7025	706	100814	Yes	8 x 6	See Notes	TW-6 target large enough to be UST. GPR image was large coherent target; however, not consistent with UST; - Near White Card Data UST Location; Possible UST.	618345.9	538062.8	PT		
7026	707	NA	Yes	7 X 7	Not Performed	TW-6 target large enough to be UST. Coincident with White Card UST Location	618488.1	537948.9	PT		
7027	708	NA	Yes	7 X 7	Not Performed	TW-6 target large enough to be UST. Coincident with White Card UST Location	618630.4	538023.1	PT		

Table 2
Tabulation of Targets resulting in a classification of: Metallic Debris, Possible UST, and Suspected UST

Anomaly ID	Former Anomaly ID	Original Project #	Anomaly Re-Acquired by Small Area Metal Detection	Metal Detection (MD) Anomaly Size (feet)	GPR Anomaly Size (feet)	Description From Original Report	Easting	Northing	New Classification	Upgraded to PT from MD	Notes
700 Area											
7001	BI02	080303	Not Recorded	Not Recorded	Not Recorded	unknown	618470.5	538649.0	PT	Upgrade	
7002	BI03	080303	Not Recorded	Not Recorded	Not Recorded	unknown	618352.7	538587.2	PT	Upgrade	
7003	BI05	080303	Not Recorded	Not Recorded	Not Recorded	unknown	618023.3	538384.4	PT	Upgrade	
7004	BI06	080303	Not Recorded	Not Recorded	Not Recorded	unknown	618382.9	538548.7	PT	Upgrade	
7005	BI07	080303	Not Recorded	Not Recorded	Not Recorded	unknown	618440.9	538576.3	PT	Upgrade	
7006	BI12	080303	Not Recorded	Not Recorded	Not Recorded	unknown - Near White Card Data UST Location	618453.7	538558.7	PT	Upgrade	Description text changed to reflect new Information
7007	BI13	080303	Not Recorded	Not Recorded	Not Recorded	unknown	618401.9	538515.0	PT	Upgrade	
7008	BI14	080303	Not Recorded	Not Recorded	Not Recorded	unknown - Near White Card Data UST Location	618180.3	538330.3	PT	Upgrade	Description text changed to reflect new Information
7009	BI16	080303	Not Recorded	Not Recorded	Not Recorded	unknown - Near White Card Data UST Location	618547.2	538208.0	PT	Upgrade	Description text changed to reflect new Information
7010	BI17	080303	Not Recorded	Not Recorded	Not Recorded	unknown - Near White Card Data UST Location	618495.3	538146.5	PT	Upgrade	Description text changed to reflect new Information
7011	BI18	080303	Not Recorded	Not Recorded	Not Recorded	unknown - Near White Card Data UST Location	618421.1	538107.5	PT	Upgrade	Description text changed to reflect new Information
7012	BI22	080303	Not Recorded	Not Recorded	Not Recorded	unknown - Near White Card Data UST Location	618497.8	538455.8	PT	Upgrade	Description text changed to reflect new Information
7013	BQ01	080303	Not Recorded	Not Recorded	Not Recorded	unknown	617970.2	538370.6	PT	Upgrade	
7014	BQ02	080303	Not Recorded	Not Recorded	Not Recorded	unknown	618179.0	538435.9	PT	Upgrade	
7015	BQ03	080303	Not Recorded	Not Recorded	Not Recorded	unknown	618247.1	538467.7	PT	Upgrade	
7016	BQ04	080303	Not Recorded	Not Recorded	Not Recorded	unknown	618403.4	538579.0	PT	Upgrade	
7017	BQ11	080303	Not Recorded	Not Recorded	Not Recorded	unknown	618658.7	538048.0	PT	Upgrade	
7018	BQ12	080303	Not Recorded	Not Recorded	Not Recorded	unknown - Near White Card Data UST Location	618098.3	538262.0	PT	Upgrade	Description text changed to reflect new Information
7019	SI07	080303	Not Recorded	Not Recorded	Not Recorded	unknown	617803.0	537429.2	PT	Upgrade	
7020	701	100814	Yes	< 2 x 2	< 2 x 2	Moderate-amplitude point target/anomaly, buried debris.	618088.7	538448.6	MD		
7021	702	100814	Yes	< 2 x 2	< 2 x 2	Moderate-amplitude point target/anomaly, buried debris.	618198.7	538401.2	MD		
7022	703	100814	Yes	< 2 x 2	< 2 x 2	Moderate-amplitude point target/anomaly, buried debris.	618115.8	538360.6	MD		
7023	704	100814	Yes	< 2 x 2	< 2 x 2	Moderate-amplitude point target/anomaly, buried debris.	618085.3	538336.9	MD		
7024	705	100814	Yes	< 4 x 4	< 2 x 2	Moderate-amplitude point target/anomaly- Near White Card Data UST Location, possible UST.	618266.4	538025.6	PT		
7025	706	100814	Yes	8 x 6	See Notes	TW-6 target large enough to be UST. GPR image was large coherent target; however, not consistent with UST; - Near White Card Data UST Location; Possible UST.	618345.9	538062.8	PT		
7026	707	NA	Yes	7 X 7	Not Performed	TW-6 target large enough to be UST. Coincident with White Card UST Location	618488.1	537948.9	PT		
7027	708	NA	Yes	7 X 7	Not Performed	TW-6 target large enough to be UST. Coincident with White Card UST Location	618630.4	538023.1	PT		

ATTACHMENT F

UST 700-2 File Review and Analyses

PARSONS

UNDERGROUND STORAGE TANK FILE REVIEW
FORT MONMOUTH BRAC 05 FACILITY
OCEANPORT, NEW JERSEY

Date: *March 31, 2015* Review Performed By: *Kent Friesen, Parsons*

Site ID: ***Bldg. 700-2*** Registration ID: *None*

Recommended Status of Site: ***Case Closed*** ***(no change)***

UST Probability (from May 2014 "Addendum 1 ECP UHOT Report"): ***High***

Based on the file review, were there indications of a contaminant release? [ ] Yes [X] No

NJDEP Release No. or DICAR (If applicable): _____

Did NJDEP approve No Further Action (NFA) for this site? [ ] Yes [X] No [ ] Not Applicable

Tank Description: [X] Steel [ ] Fiberglass Size: 1000 gals. Contents: No. 2 Fuel Oil

[X] Residential [ ] Commercial/Industrial

Tank Removed? [X] Yes [ ] No If "yes," removal date: 4/2/2004

Were closure soil samples taken? [X] Yes [ ] No Analyses: TPH

Comparison criteria: 5,100 mg/kg TPH

Were closure soil sample results less than comparison criteria? ? [X] Yes [ ] No

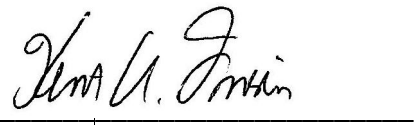
Brief Narrative

This tank was removed as part of the Residential Communities Initiative (RCI) project within the 700 Area. It is also referred to as 700-BI2, which was named after the geophysical anomaly that led to the discovery of the tank.

Soil samples were collected from the tank excavation in 2004 and analyzed by the Fort Monmouth Environmental Laboratory for total petroleum hydrocarbons (TPH). Three soil samples from the excavation bottom (plus one field duplicate) were collected on March 30, 2004. All of the soil sample results from this excavation were non-detected (ND) for TPH. The final results were less than 5,100 mg/kg for TPH, which is the current remediation criterion. Therefore, soil remediation was completed, and no additional sampling or remedial action was warranted.

In conclusion, the analytical results support the UST Case Status of "Case Closed." Since a steel tank was removed from this location, the UHOT Addendum probability of "High" for an additional tank appears overrated.

Recommendations (if any): Request NFA from NJDEP

Signed: 

Kent A. Friesen, Parsons

Fort Monmouth UST Status Summary Report

UST REGISTRATION INFORMATION SUMMARY

LOCATION: 700 2 *NJDEP REG ID:* -

RESIDENTIAL? YES

UST CONSTRUCTION INFORMATION SUMMARY

SIZE (GALLONS): 1000 *CONSTRUCTION:* STEEL

PRODUCT: #2 FUEL OIL *YEAR INSTALLED:* 1940

UST REMOVAL/INVESTIGATION SUMMARY

REMOVAL DATE: 4/2/2004 *REMOVAL CONTRACTOR:* TVS

SRF SEND DATE: *TMS:*

DICAR NO. *LEAK DETECT:*

REMEDIATION COMMENTS: 700 Area EUL project. UST removed. Soil samples below criteria. Clean closure and Residential. No Report required.

REGISTRATION COMMENTS:

SAS DONE: *CONSULTANT:* TVS

MWs NEEDED: 0 *MONITORING WELLS:* 0

SUB-SURFACE EVALUATOR: Frank Accorsi

CURRENT UST STATUS

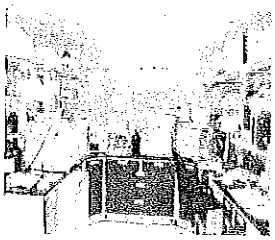
UST STATUS: Removed; Report Submitted/Not Nec. *CASE STATUS:* Case Closed

SUBMITTAL DATE: *APPROVAL DATE:*

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732) 532-4359 FAX: (732) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461, NYSDOH #11699



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 04-29429

700 Area/UST # BI 2

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
BI 2-A East End	4022501	Soil	30-Mar-04 14:00	03/30/04
BI 2-B Center	4022502	Soil	30-Mar-04 14:22	03/30/04
BI 2-C West End	4022503	Soil	30-Mar-04 14:45	03/30/04
Duplicate	4022504	Soil	30-Mar-04 14:00	03/30/04
Trip Blank	4022505	Methanol	30-Mar-04	03/30/04

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
TPHC, % SOLIDS

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

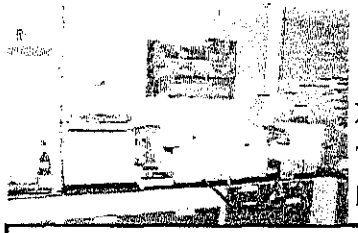
4-6-04
Daniel Wright/Date
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

Table of Contents

Section	Pages
Chain of Custody	1-2
Method Summary	3-4
Laboratory Chronicle	5-6
Conformance/Non-Conformance	7-8
TPHC	9
Results Summary	10
Calibration Summary	11-14
Surrogate Results Summary	15
MS/MSD Results Summary	16
LCS Summary	17
Raw Sample Data	18-27
Laboratory Deliverables Checklist	28
Laboratory Authentication Statement	29

CHAIN OF CUSTODY



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: DOUG GUENTHER | Project No: 04-29429
Phone #: X20986 | Location: 700 AREA
( )DERA ( )OMA (x)Other:_____ | UST # BI2
Samplers Name / Company: FRANK ACCORSI - TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	TPH	VOA+15*						Comments: Remarks / Preservation Method
40625 01	BI2-A EAST END	3-30-04	1400	SOIL	2	X	X						ICE
02	BI2-B CENTER		1422		2	X	X						
03	BI2-C WEST END		1445		2	X	X						
04	DUPLICATE		1400		2	X	X						
05	TRIP BLANK		-	AQ.	1		X						

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Frank Accorsi	3-30-04 1532				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush ___ Days, ( )ASAP Verbal ___ Hrs.

Remarks: * VOA+15 ON 25% > 1,000 PPM TPH, MIN. ONE, ON HIGHEST.

print legibly

COC.XLS2/3/2004

METHOD SUMMARY

Method Summary

NJDEP Method OQA-QAM-025 10/97
Gas Chromatographic Determination of Total Petroleum Hydrocarbons in Soil

Fifteen grams (15g) of soil is added to a 125-ml acid cleaned and solvent rinsed capped Erlenmeyer flask. 15g anhydrous Sodium Sulfate is added to dry the sample. Surrogate standard spiking solution is then added to the flask.

Twenty-five ml of Methylene Chloride is added to the flask and it is secured on an orbital shaker table. The agitation rate is set to 400 rpm and the sample is shaken for 30 minutes. The flask is removed from the table and the particulate matter is allowed to settle. The extract is transferred to a Teflon capped vial. A second 25-ml of Methylene Chloride is added to the flask and shaken for an additional 30 minutes. The flask is again removed and allowed to settle. The extracts are combined in the vial then transferred to a 1-ml auto-sampler vial.

The extract is then injected directly into a GC-FID for analysis. The sample is analyzed for Petroleum Hydrocarbons covering a range of C8-C42, including Pristane and Phytane. Total Petroleum Hydrocarbon concentration is determined by integrating between 5 minutes and 22 minutes. The baseline is established by starting the integration after the end of the solvent peak and stopping after the last peak. The final concentration of Total Petroleum Hydrocarbons is calculated using percent moisture, sample weight and concentration.

LABORATORY CHRONICLE

030005

Laboratory Chronicle

Lab ID: 40225

Site: 700 Area
UST BI 2

	Date	Hold Time
Date Sampled	03/30/04	NA
Receipt/Refrigeration	03/30/04	NA
Extractions		
1. TPHC	03/31/04	14 days
Analyses		
1. TPHC	04/05/04	14 days

CONFORMANCE/ NON-CONFORMANCE SUMMARY

TPHC CONFORMANCE/NON–CONFORMANCE SUMMARY REPORT

		Indicate Yes, No, N/A
1.	Method Detection Limits Provided	Yes
2.	Method Blank Contamination – If yes, list the sample and the corresponding concentrations in each blank	NO
3.	Matrix Spike Results Summary Meet Criteria (If not met, list the sample and corresponding recovery which falls outside the acceptable range)	Yes
4.	Duplicate Results Summary Meet Criteria	Yes
5.	IR Spectra submitted for standards, blanks and samples	N/A
6.	Chromatograms submitted for standards, blanks and samples if GC fingerprinting was conducted	Yes
7.	Analysis holding time met (If not met, list number of days exceeded for each sample)	Yes

Additional comments: _____

Laboratory Manager: _____ Date: 4-6-04

TPHC

Report of Analysis
U.S.Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	**Project # :**	40225
		Location :	700 Area
		UST Reg. # :	

Analysis :	OQA-QAM-025	**Date Received :**	30-Mar-04
Matrix :	Soil	**Date Extracted :**	31-Mar-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Shake
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	05-Apr-04
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
4022501	BI2-A	1.00	15.13	79.82	188	ND
4022502	BI2-B	1.00	15.23	80.32	185	ND
4022503	BI2-C	1.00	15.22	78.79	189	ND
4022504	Duplicate	1.00	15.04	78.92	191	ND
METHOD BLANK	MB-033104-01	1.00	15.00	100.00	151	ND

ND = Not Detected

MDL = Method Detection Limit

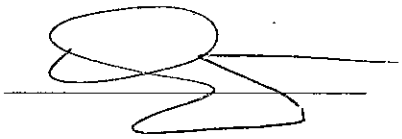
LABORATORY DELIVERABLES CHECKLIST AND NON-CONFORMANCE SUMMARY

THIS FORM MUST BE COMPLETED BY THE LABORATORY OR ENVIRONMENTAL CONSULTANT AND ACCOMPANY ALL DATA SUBMISSIONS

The following Laboratory Deliverables Checklist and Non-Conformance Summary shall be included in the data submission. All deviations from the accepted methodology and procedures, of performance values outside acceptable ranges shall be summarized in the Non-Conformance Summary. The Technical Requirements for Site Remediation, effective June 7, 1993, provides further details. The document shall be bound and paginated, contain a table of contents, and all pages shall be legible. Incomplete data packages will be returned or held without review until the data package is completed.

It is recommended that the analytical results summary sheets listing all targeted and non-targeted compounds with the method detection limits, practical quantitation limits, and the laboratory and/or sample numbers be included in one section of the data package and in the main body of the report.

1.	Cover Page, Title Page listing Lab Certification #, facility name and address, & date of report submitted.	✓
2.	Table of Contents submitted.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds submitted.	✓
4.	Document paginated and legible.	✓
5.	Chain of Custody submitted.	✓
6.	Samples submitted to lab within 48 hours of sample collection.	✓
7.	Methodology Summary submitted.	✓
8.	Laboratory Chronicle and Holding Time Check submitted.	✓
9.	Results submitted on a dry weight basis.	✓
10.	Method Detection Limits submitted.	✓
11.	Lab certified by NJDEP for parameters of appropriate category of parameters or a member of the USEPA CLP.	✓

Laboratory Manager or Environmental Consultant's Signature 

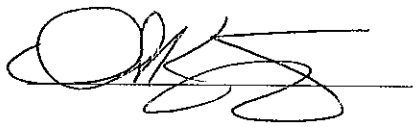
Date: 4/6/04

Laboratory Certification # 13461

*Refer to NJAC 7:26E – Appendix A, Section IV – Reduced Data Deliverables – Non-USEPA/CLP Methods for further guidance.

Laboratory Authentication Statement

I certify under penalty of law, where applicable, that this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18 and 40 CFR Part 136 for Water and Wastewater Analyses and SW-846 for Solid Waste Analysis. I have personally examined the information contained in this report and to the best of my knowledge, I believe that the submitted information is true, accurate, complete and meets the above referenced standards where applicable. I am aware that there are significant penalties for purposefully submitting falsified information, including the possibility of a fine and imprisonment.



Daniel K. Wright
Laboratory Manager

ATTACHMENT G

UST 700-3 File Review and Analyses

PARSONS

UNDERGROUND STORAGE TANK FILE REVIEW
FORT MONMOUTH BRAC 05 FACILITY
OCEANPORT, NEW JERSEY

Date: *March 31, 2015* Review Performed By: *Kent Friesen, Parsons*

Site ID: ***Bldg. 700-3*** Registration ID: *None*

Recommended Status of Site: ***Case Closed*** ***(no change)***

UST Probability (from May 2014 "Addendum 1 ECP UHOT Report"): ***High***

Based on the file review, were there indications of a contaminant release? [ ] Yes [X] No

NJDEP Release No. or DICAR (If applicable): _____

Did NJDEP approve No Further Action (NFA) for this site? [ ] Yes [X] No [ ] Not Applicable

Tank Description: [X] Steel [ ] Fiberglass Size: 1000 gals. Contents: No. 2 Fuel Oil

[X] Residential [ ] Commercial/Industrial

Tank Removed? [X] Yes [ ] No If "yes," removal date: 4/4/2004

Were closure soil samples taken? [X] Yes [ ] No Analyses: TPH

Comparison criteria: 5,100 mg/kg TPH

Were closure soil sample results less than comparison criteria? ? [X] Yes [ ] No

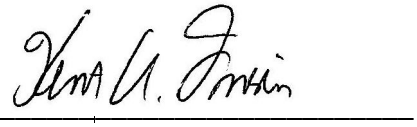
Brief Narrative

This tank was removed as part of the Residential Communities Initiative (RCI) project within the 700 Area. It is also referred to as 700-BI3, which was named after the geophysical anomaly that led to the discovery of the tank.

Soil samples were collected from the tank excavation in 2004 and analyzed by the Fort Monmouth Environmental Laboratory for total petroleum hydrocarbons (TPH). Four soil samples from the excavation (plus one field duplicate) were collected on March 31, 2004. All of the soil sample results from this excavation were non-detected (ND) for TPH. The final results were less than 5,100 mg/kg for TPH, which is the current remediation criterion. Therefore, soil remediation was completed, and no additional sampling or remedial action was warranted.

In conclusion, the analytical results support the UST Case Status of "Case Closed." Since a steel tank was removed from this location, the UHOT Addendum probability of "High" for an additional tank appears overrated.

Recommendations (if any): Request NFA from NJDEP

Signed: 

Kent A. Friesen, Parsons

Fort Monmouth UST Status Summary Report

UST REGISTRATION INFORMATION SUMMARY

LOCATION: 700 3 *NJDEP REG ID:* -

RESIDENTIAL? YES

UST CONSTRUCTION INFORMATION SUMMARY

SIZE (GALLONS): 1000 *CONSTRUCTION:* STEEL

PRODUCT: #2 FUEL OIL *YEAR INSTALLED:* 1940

UST REMOVAL/INVESTIGATION SUMMARY

REMOVAL DATE: 4/4/2004 *REMOVAL CONTRACTOR:* TVS

SRF SEND DATE: *TMS:*

DICAR NO. *LEAK DETECT:*

REMEDIATION COMMENTS: 700 Area EUL project. UST removed. Soil samples below criteria. Clean closure and Residential (old barracks). No Report required.

REGISTRATION COMMENTS:

SAS DONE: *CONSULTANT:* TVS

MWs NEEDED: 0 *MONITORING WELLS:* 0

SUB-SURFACE EVALUATOR: Frank Accorsi

CURRENT UST STATUS

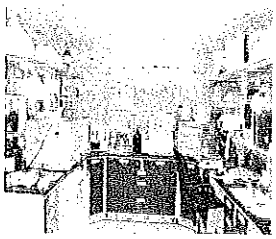
UST STATUS: Removed; Report Submitted/Not Nec. *CASE STATUS:* Case Closed

SUBMITTAL DATE: *APPROVAL DATE:*

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732) 532-4359 FAX: (732) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461, NYSDOH #11699



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 04-24949

700 Area/UST # BI 3

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
BI 3-A North Wall	4022901	Soil	31-Mar-04 13:40	03/31/04
BI 3-B South Wall	4022902	Soil	31-Mar-04 14:10	03/31/04
BI 3-C East Wall	4022903	Soil	31-Mar-04 14:45	03/31/04
BI 3-D West Wall	4022904	Soil	31-Mar-04 15:00	03/31/04
BI 3-E Duplicate	4022905	Soil	31-Mar-04 14:10	03/31/04
Trip Blank	4022906	Methanol	31-Mar-04	03/31/04

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
TPHC, % SOLIDS

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

4-19-04
Daniel Wright/Date
Laboratory Director

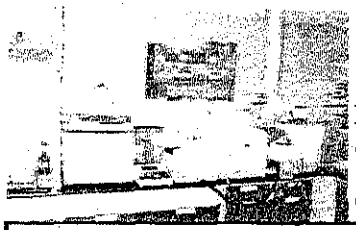
The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

Table of Contents

Section	Pages
Chain of Custody	1-2
Method Summary	3-4
Laboratory Chronicle	5-6
Conformance/Non-Conformance	7-8
TPHC	9
Results Summary	10
Calibration Summary	11-17
Surrogate Results Summary	18
MS/MSD Results Summary	19
LCS Summary	20
Raw Sample Data	21-32
Laboratory Deliverables Checklist	33
Laboratory Authentication Statement	34

CHAIN OF CUSTODY

000001



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: DOUG GUENTHER | Project No: 04-24949
Phone #: X20986 | Location: 700 AREA
( )DERA ( )OMA ( )Other:_____ | UST #BI3
Samplers Name / Company: FRANK ACCORSI - TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	TPH	VOA's*					DEPTH (FT)	VOA #	Comments: Remarks / Preservation Method
40229 01	BI3-A, NORTH WALL	3-31-04	1340	SOIL	2	X	X					5.5-6	3928	ICE
02	BI3-B, SOUTH WALL		1410		2	X	X					5.5-6	3929	
03	BI3-C, EAST WALL		1445		2	X	X					5.5-6	3930	
04	BI3-D, WEST WALL		1500		2	X	X					5.5-6	3931	
05	BI3-E, DUPLICATE		1410		2	X	X					5.5-6	3932	
06	TRIP BLANK		—	AQ.	1		X					—	3933	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Frank Accorsi	3-31-04 1550				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, (X)Reduced, ( )Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: ( )Standard 3 wks, (X)Rush 10 Days, ( )ASAP Verbal ___ Hrs.

Remarks:

200000

print legibly

COC.XLS2/3/2004

METHOD SUMMARY

Method Summary

NJDEP Method OQA-QAM-025 10/97
Gas Chromatographic Determination of Total Petroleum Hydrocarbons in Soil

Fifteen grams (15g) of soil is added to a 125-ml acid cleaned and solvent rinsed capped Erlenmeyer flask. 15g anhydrous Sodium Sulfate is added to dry the sample. Surrogate standard spiking solution is then added to the flask.

Twenty-five ml of Methylene Chloride is added to the flask and it is secured on an orbital shaker table. The agitation rate is set to 400 rpm and the sample is shaken for 30 minutes. The flask is removed from the table and the particulate matter is allowed to settle. The extract is transferred to a Teflon capped vial. A second 25-ml of Methylene Chloride is added to the flask and shaken for an additional 30 minutes. The flask is again removed and allowed to settle. The extracts are combined in the vial then transferred to a 1-ml autosampler vial.

The extract is then injected directly into a GC-FID for analysis. The sample is analyzed for Petroleum Hydrocarbons covering a range of C8-C42, including Pristane and Phytane. Total Petroleum Hydrocarbon concentration is determined by integrating between 5 minutes and 22 minutes. The baseline is established by starting the integration after the end of the solvent peak and stopping after the last peak. The final concentration of Total Petroleum Hydrocarbons is calculated using percent moisture, sample weight and concentration.

LABORATORY CHRONICLE

Laboratory Chronicle

Lab ID: 40229

Site: 700 Area
UST # BI 3

	Date	Hold Time
Date Sampled	03/31/04	NA
Receipt/Refrigeration	03/31/04	NA
Extraction		
1. TPHC	04/01/04	14 days
Analyses		
1. TPHC	04/12/04	40 days

CONFORMANCE/ NON-CONFORMANCE SUMMARY

TPHC CONFORMANCE/NON–CONFORMANCE SUMMARY REPORT

		Indicate Yes, No, N/A
1.	Method Detection Limits Provided	YES
2.	Method Blank Contamination – If yes, list the sample and the corresponding concentrations in each blank	NO
3.	Matrix Spike Results Summary Meet Criteria (If not met, list the sample and corresponding recovery which falls outside the acceptable range)	YES
4.	Duplicate Results Summary Meet Criteria	YES
5.	IR Spectra submitted for standards, blanks and samples	NA
6.	Chromatograms submitted for standards, blanks and samples if GC fingerprinting was conducted	YES
7.	Analysis holding time met (If not met, list number of days exceeded for each sample)	YES

Additional comments: _____

Laboratory Manager: _____ Date: 4-19-04

TPHC

Report of Analysis
U.S.Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army DPW. SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	**Project # :**	40229
		Location :	700 Area
		UST Reg. # :	

Analysis :	OQA-QAM-025	**Date Received :**	31-Mar-04
Matrix :	Soil	**Date Extracted :**	01-Apr-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Shake
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	12-Apr-04
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
4022901	BI3-A	1.00	15.19	84.16	177	ND
4022902	BI3-B	1.00	15.53	81.29	179	ND
4022903	BI3-C	1.00	15.24	82.46	180	ND
4022904	BI3-D	1.00	15.20	83.94	178	ND
4022905	BI3-E	1.00	15.23	81.91	182	ND
METHOD BLANK	MB-040104-01	1.00	15.00	100.00	151	ND

ND = Not Detected

MDL = Method Detection Limit

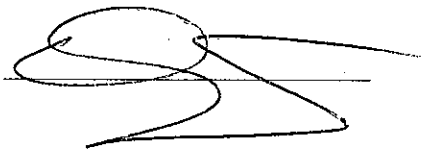
LABORATORY DELIVERABLES CHECKLIST AND NON-CONFORMANCE SUMMARY

THIS FORM MUST BE COMPLETED BY THE LABORATORY OR ENVIRONMENTAL CONSULTANT AND ACCOMPANY ALL DATA SUBMISSIONS

The following Laboratory Deliverables Checklist and Non-Conformance Summary shall be included in the data submission. All deviations from the accepted methodology and procedures, of performance values outside acceptable ranges shall be summarized in the Non-Conformance Summary. The Technical Requirements for Site Remediation, effective June 7, 1993, provides further details. The document shall be bound and paginated, contain a table of contents, and all pages shall be legible. Incomplete data packages will be returned or held without review until the data package is completed.

It is recommended that the analytical results summary sheets listing all targeted and non-targeted compounds with the method detection limits, practical quantitation limits, and the laboratory and/or sample numbers be included in one section of the data package and in the main body of the report.

1.	Cover Page, Title Page listing Lab Certification #, facility name and address, & date of report submitted.	✓
2.	Table of Contents submitted.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds submitted.	✓
4.	Document paginated and legible.	✓
5.	Chain of Custody submitted.	✓
6.	Samples submitted to lab within 48 hours of sample collection.	✓
7.	Methodology Summary submitted.	✓
8.	Laboratory Chronicle and Holding Time Check submitted.	✓
9.	Results submitted on a dry weight basis.	✓
10.	Method Detection Limits submitted.	✓
11.	Lab certified by NJDEP for parameters of appropriate category of parameters or a member of the USEPA CLP.	✓

Laboratory Manager or Environmental Consultant's Signature 

Date: 4/19/04

Laboratory Certification # 13461

*Refer to NJAC 7:26E – Appendix A, Section IV – Reduced Data Deliverables – Non-USEPA/CLP Methods for further guidance.

Laboratory Authentication Statement

I certify under penalty of law, where applicable, that this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18 and 40 CFR Part 136 for Water and Wastewater Analyses and SW-846 for Solid Waste Analysis. I have personally examined the information contained in this report and to the best of my knowledge, I believe that the submitted information is true, accurate, complete and meets the above referenced standards where applicable. I am aware that there are significant penalties for purposefully submitting falsified information, including the possibility of a fine and imprisonment.

Daniel K. Wright
Laboratory Manager

ATTACHMENT H

UST 700-5 File Review and Analyses

PARSONS

UNDERGROUND STORAGE TANK FILE REVIEW
FORT MONMOUTH BRAC 05 FACILITY
OCEANPORT, NEW JERSEY

Date: *March 31, 2015* Review Performed By: *Kent Friesen, Parsons*

Site ID: ***Bldg. 700-5*** Registration ID: *None*

Recommended Status of Site: ***Case Closed*** ***(no change)***

UST Probability (from May 2014 "Addendum 1 ECP UHOT Report"): ***High***

Based on the file review, were there indications of a contaminant release? [ ] Yes [X] No

NJDEP Release No. or DICAR (If applicable): _____

Did NJDEP approve No Further Action (NFA) for this site? [ ] Yes [X] No [ ] Not Applicable

Tank Description: [X] Steel [ ] Fiberglass Size: 1000 gals. Contents: No. 2 Fuel Oil

[X] Residential [ ] Commercial/Industrial

Tank Removed? [X] Yes [ ] No If "yes," removal date: 12/24/2004

Were closure soil samples taken? [X] Yes [ ] No Analyses: TPH

Comparison criteria: 5,100 mg/kg TPH

Were closure soil sample results less than comparison criteria? ? [X] Yes [ ] No

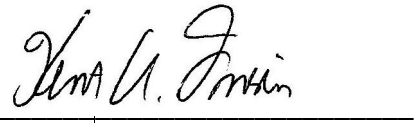
Brief Narrative

This tank was removed as part of the Residential Communities Initiative (RCI) project within the 700 Area. It is also referred to as 700-T5.

Soil samples were collected from the tank excavation in 2004 and analyzed by the Fort Monmouth Environmental Laboratory for total petroleum hydrocarbons (TPH). Five soil samples from the excavation (plus one field duplicate) were collected on December 27, 2004. All of the soil sample results from this excavation were non-detected (ND) for TPH. The final results were less than 5,100 mg/kg for TPH, which is the current remediation criterion. Therefore, soil remediation was completed, and no additional sampling or remedial action was warranted.

In conclusion, the analytical results support the UST Case Status of "Case Closed." Since a steel tank was removed from this location, the UHOT Addendum probability of "High" for an additional tank appears overrated.

Recommendations (if any): Request NFA from NJDEP

Signed: 

Kent A. Friesen, Parsons

Fort Monmouth UST Status Summary Report

UST REGISTRATION INFORMATION SUMMARY

LOCATION: 700 5 *NJDEP REG ID:* -

RESIDENTIAL? YES

UST CONSTRUCTION INFORMATION SUMMARY

SIZE (GALLONS): 1000 *CONSTRUCTION:* STEEL

PRODUCT: #2 FUEL OIL *YEAR INSTALLED:* 1940

UST REMOVAL/INVESTIGATION SUMMARY

REMOVAL DATE: 12/24/2004 *REMOVAL CONTRACTOR:* TVS

SRF SEND DATE: *TMS:*

DICAR NO. *LEAK DETECT:*

REMEDIATION COMMENTS: 700 Area EUL project. UST removed. Soil samples below criteria. Clean closure and Residential (old barracks). No Report required.

REGISTRATION COMMENTS:

SAS DONE: *CONSULTANT:* TVS

MWs NEEDED: 0 *MONITORING WELLS:* 0

SUB-SURFACE EVALUATOR: Frank Accorsi

CURRENT UST STATUS

UST STATUS: Removed; Report Submitted/Not Nec. *CASE STATUS:* Case Closed

SUBMITTAL DATE: *APPROVAL DATE:*

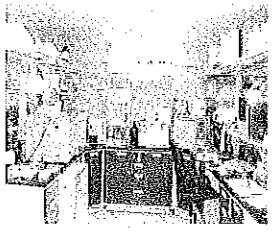
FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732) 532-4359 FAX: (732) 532-6263

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

CERTIFICATIONS: NJDEP #13461, NYSDOH #11699



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 700 AREA

700 Area

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
700T5-A East End	4086701	Soil	27-Dec-04 14:50	12/27/04
700T5-B Center	4086702	Soil	27-Dec-04 14:30	12/27/04
700T5-C West End	4086703	Soil	27-Dec-04 14:10	12/27/04
700T5-D Piping	4086704	Soil	27-Dec-04 15:10	12/27/04
700T5-E Duplicate	4086705	Soil	27-Dec-04 14:30	12/27/04
Trip Blank	4086706	Methanol	27-Dec-04	12/27/04

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
TPHC, % SOLIDS

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

1-3-05
Daniel Wright/Date
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

Table of Contents

Section	Pages
Chain of Custody	1-2
Method Summary	3-4
Laboratory Chronicle	5-6
Conformance/Non-Conformance	7-8
TPHC	9
Results Summary	9A
Calibration Summary	10-19
Surrogate Results Summary	20
MS/MSD Results Summary	21
LCS Summary	22
Raw Sample Data	23-34
Laboratory Deliverables Checklist	35
Laboratory Authentication Statement	36

CHAIN OF CUSTODY

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: DOUG GUENTHER
Phone: # X20986
( )DERA ( )OMA (X)Other: RCI
Project No:
Location: 700 AREA
UST # T5
Samplers Name / Company: FRANK ACCORSI/TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	TPH	VOA 15					DEPTH (FT)	VOA #	Comments: Remarks / Preservation Method
40867.01	700T5-A, EAST END	12-27-04	1450	SOIL	2	X	X					6-6.5	4135	ICE
02	700T5-B, CENTER		1430		2	X	X					6-6.5	4136	
03	700T5-C, WEST END		1410		2	X	X					6-6.5	4137	
04	700T5-D, PIPING		1510		2	X	X					2-2.5	4138	
05	700T5-E, DUPLICATE		1430		2	X	X					6-6.5	4139	
06	TRIP BLANK		—	AQ.	1		X					—	4140	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Frank Accorsi	12-27-04 1605				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, (X)Reduced, ( )Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: ( )Standard 3 wks, (X)Rush 5 Days, ( )ASAP Verbal ____ Hrs.

Remarks:

print legibly

COC.XLS10/20/2004

METHOD SUMMARY

Method Summary

NJDEP Method OQA-QAM-025 10/97
Gas Chromatographic Determination of Total Petroleum Hydrocarbons in Soil

Fifteen grams (15g) of soil is added to a 125-ml acid cleaned and solvent rinsed capped Erlenmeyer flask. 15g anhydrous Sodium Sulfate is added to dry the sample. Surrogate standard spiking solution is then added to the flask.

Twenty-five ml of Methylene Chloride is added to the flask and it is secured on an orbital shaker table. The agitation rate is set to 400 rpm and the sample is shaken for 30 minutes. The flask is removed from the table and the particulate matter is allowed to settle. The extract is transferred to a Teflon capped vial. A second 25-ml of Methylene Chloride is added to the flask and shaken for an additional 30 minutes. The flask is again removed and allowed to settle. The extracts are combined in the vial then transferred to a 1-ml autosampler vial.

The extract is then injected directly into a GC-FID for analysis. The sample is analyzed for Petroleum Hydrocarbons covering a range of C8-C42, including Pristane and Phytane. Total Petroleum Hydrocarbon concentration is determined by integrating between 5 minutes and 22 minutes. The baseline is established by starting the integration after the end of the solvent peak and stopping after the last peak. The final concentration of Total Petroleum Hydrocarbons is calculated using percent moisture, sample weight and concentration.

LABORATORY CHRONICLE

Laboratory Chronicle

Lab ID: 40867

Site: 700 Area
UST # T5

	Date	Hold Time
Date Sampled	12/27/04	NA
Receipt/Refrigeration	12/27/04	NA
Extraction		
1. TPHC	12/28/04	14 days
Analyses		
1. TPHC	12/29/04	40 days

CONFORMANCE/ NON-CONFORMANCE SUMMARY

TPHC CONFORMANCE/NON–CONFORMANCE SUMMARY REPORT

		Indicate Yes, No, N/A
1.	Method Detection Limits Provided	yes
2.	Method Blank Contamination – If yes, list the sample and the corresponding concentrations in each blank	no
3.	Matrix Spike Results Summary Meet Criteria (If not met, list the sample and corresponding recovery which falls outside the acceptable range)	yes
4.	Duplicate Results Summary Meet Criteria	yes
5.	IR Spectra submitted for standards, blanks and samples	NA
6.	Chromatograms submitted for standards, blanks and samples if GC fingerprinting was conducted	yes
7.	Analysis holding time met (If not met, list number of days exceeded for each sample)	yes

Additional comments: _____

Laboratory Manager: _____ Date: 1-3-05

TPHC

Report of Analysis
U.S.Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Project # :**	40867
	DPW. SELFM-PW-EV	**Location :**	700 Area
	Bldg. 173	**UST Reg. # :**	T5
	Ft. Monmouth, NJ 07703		
Analysis :	OQA-QAM-025	**Date Received :**	27-Dec-04
Matrix :	Soil	**Date Extracted :**	28-Dec-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Shake
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	29-Dec-04
Injection Volume :	1uL	**Analyst :**	P.Skelton

Lab ID	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	RL	TPHC Result (mg/kg)
4086701	700T5-A	1.00	15.10	82.21	111	403	ND
4086702	700T5-B	1.00	15.05	68.59	133	484	ND
4086703	700T5-C	1.00	15.11	66.18	138	500	ND
4086704	700T5-D	1.00	15.09	71.59	127	463	ND
4086705	700T5-E	1.00	15.07	67.45	135	492	ND
METHOD BLANK	MB-122804-01	1.00	15.00	100.00	92	333	ND

ND = Not Detected

MDL = Method Detection Limit

RL = Reporting Limits

Note : The TPHC result between the MDL and RL are considered an estimated value

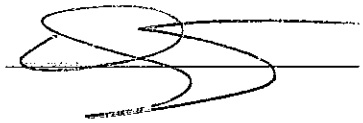
LABORATORY DELIVERABLES CHECKLIST AND NON-CONFORMANCE SUMMARY

THIS FORM MUST BE COMPLETED BY THE LABORATORY OR ENVIRONMENTAL CONSULTANT AND ACCOMPANY ALL DATA SUBMISSIONS

The following Laboratory Deliverables Checklist and Non-Conformance Summary shall be included in the data submission. All deviations from the accepted methodology and procedures, of performance values outside acceptable ranges shall be summarized in the Non-Conformance Summary. The Technical Requirements for Site Remediation, effective June 7, 1993, provides further details. The document shall be bound and paginated, contain a table of contents, and all pages shall be legible. Incomplete data packages will be returned or held without review until the data package is completed.

It is recommended that the analytical results summary sheets listing all targeted and non-targeted compounds with the method detection limits, practical quantitation limits, and the laboratory and/or sample numbers be included in one section of the data package and in the main body of the report.

1.	Cover Page, Title Page listing Lab Certification #, facility name and address, & date of report submitted.	✓
2.	Table of Contents submitted.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds submitted.	✓
4.	Document paginated and legible.	✓
5.	Chain of Custody submitted.	✓
6.	Samples submitted to lab within 48 hours of sample collection.	✓
7.	Methodology Summary submitted.	✓
8.	Laboratory Chronicle and Holding Time Check submitted.	✓
9.	Results submitted on a dry weight basis.	✓
10.	Method Detection Limits submitted.	✓
11.	Lab certified by NJDEP for parameters of appropriate category of parameters or a member of the USEPA CLP.	✓

Laboratory Manager or Environmental Consultant's Signature 

Date: 1/31/05

Laboratory Certification # 13461

*Refer to NJAC 7:26E – Appendix A, Section IV – Reduced Data Deliverables – Non-USEPA/CLP Methods for further guidance.

Laboratory Authentication Statement

I certify under penalty of law, where applicable, that this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18 and 40 CFR Part 136 for Water and Wastewater Analyses and SW-846 for Solid Waste Analysis. I have personally examined the information contained in this report and to the best of my knowledge, I believe that the submitted information is true, accurate, complete and meets the above referenced standards where applicable. I am aware that there are significant penalties for purposefully submitting falsified information, including the possibility of a fine and imprisonment.

Daniel K. Wright
Laboratory Manager

ATTACHMENT I

UST 700-17 Report

U.S. Army Garrison
Fort Monmouth, New Jersey

Underground Storage Tank Closure and Remedial Investigation Report

Main Post – 700 Area (UST No. B1 17)

NJDEP Case No. 04-04-05-1357-41
UST No. B1 17

April 2005

UNDERGROUND STORAGE TANK CLOSURE AND REMEDIAL INVESTIGATION REPORT

MAIN POST - 700 AREA (UST# B1 17)
NJDEP CASE NO. 04-04-05-1357-41

APRIL 2005

PROJECT NO.: 04-29429

PREPARED FOR:

U.S. ARMY GARRISON, FORT MONMOUTH, NJ
DIRECTORATE OF PUBLIC WORKS
BUILDING 167
FORT MONMOUTH, NJ 07703

PREPARED BY:

TECOM-VINNELL SERVICES
P.O. BOX 60
FT. MONMOUTH, NJ 07703

TABLE OF CONTENTS

EXECUTIVE SUMMARY **IV**

1.0 UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES 1

1.1 Overview 1
1.2 Site Description 2

1.2.1 Geological/Hydrogeological Setting 2

1.3 Health and Safety 4
1.4 Removal of Underground Storage Tank 4

1.4.1 General Procedures 4
1.4.2 Underground Storage Tank Excavation and Cleaning 4

1.5 Underground Storage Tank Transportation and Disposal 5
1.6 Management of Excavated Soils 5

2.0 REMEDIAL INVESTIGATION ACTIVITIES 6

2.1 Overview 6
2.2 Field Screening/Monitoring 6
2.3 Soil Sampling 7

3.0 CONCLUSIONS AND RECOMMENDATIONS 8

3.1 Soil Sampling Results 8
3.2 Conclusions and Recommendations 8

TABLE OF CONTENTS (CONTINUED)

FIGURES

Figure 1 **Site Location Map**
Figure 2 **Soil Sampling Location Site Map**

TABLES

Table 1 **Summary of Laboratory Analysis**
Table 2 **Summary of Laboratory Analytical Results-TPH**
Table 3 **Summary of Laboratory Analytical Results-VOA**

APPENDICES

Appendix A **Certifications**
Appendix B **Waste Manifest**
Appendix C **UST Disposal Certificate**
Appendix D **Photo Documentation**
Appendix E **Soil Analytical Data Package**

EXECUTIVE SUMMARY

UST Closure

On April 2, 2004, a single wall steel underground storage tank (UST) was closed by removal in accordance with the Directorate of Public Works (DPW) UST Management Plan for the U.S. Army Garrison, Fort Monmouth, New Jersey. The UST was located near 700 Area in the Main Post area of Fort Monmouth. UST No. B1 17 was a 1,000-gallon No. 2 heating oil tank. The fill port and associated supply/return piping was not present in the excavation. The tank closure was performed by TECOM-Vinnell Services, Inc. (TVS).

Site Assessment

The site assessment was performed by TVS personnel in accordance with the NJDEP *Technical Requirements for Site Remediation* (N.J.A.C. 7:26E) and the NJDEP *Field Sampling Procedures Manual*. Soils surrounding the tank were screened visually and with air monitoring instruments for evidence of contamination. Following removal, the UST was inspected for holes. Holes were noted in the UST and potentially contaminated soils were observed surrounding the tank.

Post-excavation soil samples were collected after the removal of the UST and approximately 10 cubic yards of potentially contaminated soils. Post-excavation samples A, B, C, D, and E-Duplicate were collected from a total of four (4) locations along the sidewalls and bottom of the excavation. All samples were analyzed for total petroleum hydrocarbons (TPH). Groundwater was present at approximately 11 feet below ground surface (bgs) and was also sampled from the excavation.

Findings

All post-excavation soil samples collected from the UST excavation associated with former UST No. B1 17 contained TPH concentrations below the NJDEP health based criterion of 10,000 milligrams per kilogram (mg/kg) for total organic contaminants (N.J.A.C. 7:26E and revisions dated February 3, 1994). All samples contained non-detectable TPH concentrations. A groundwater sample was analyzed for TPH; this sample did not contain detectable concentrations of TPH.

Site Restoration

Following receipt of all post-excavation soil sampling results, the excavation was backfilled to grade with a combination of uncontaminated excavated soil and clean fill. The excavation site was then restored to its original condition.

Conclusions and Recommendations

Based on the post-excavation soil sampling results, soils with TPH concentrations exceeding the NJDEP health based criterion of 10,000 mg/kg for total organic contaminants do not remain in the former location of the UST. Of the samples analyzed for volatile organics, there are no detected compounds that exceed the NJDEP Residential Direct Contact Soil Cleanup Criteria.

No further action is proposed in regard to the closure and site assessment of UST No. B1 17 at 700 Area.

1.0 UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES

1.1 OVERVIEW

One underground storage tank (UST), New Jersey Department of Environmental Protection (NJDEP) Registration No. 081533, was closed in the 700 Area of Main Post at US Army Garrison, Fort Monmouth, New Jersey on May 18, 2003. Refer to site location map on Figure 1. This report presents the results of the implementation of the DPW's UST Management Plan, March, 1996. The UST was a 1,000-gallon, single-walled steel tank containing No. 2 heating oil.

Decommissioning activities for UST No. B1 17 complied with all applicable federal, state and local laws and ordinances in effect at the date of decommissioning. These laws included but were not limited to: N.J.A.C. 7:14B-1 et seq., N.J.A.C. 5:23-1 et seq., and Occupational Safety and Health Administration (OSHA) 1910.146 & 1910.120. The closure and subsurface evaluation of the UST was conducted by a NJDEP licensed TVS employee.

This UST Closure and Remedial Investigation Report has been prepared by TVS to assist the US Army Garrison DPW in complying with the NJDEP - Underground Storage Tanks regulations. The applicable NJDEP regulations at the date of closure were the *Closure Requirements for Underground Storage Tank Systems* (N.J.A.C. 7:14B-9 et seq. September 1990 and revisions dated May 19, 2003).

This report was prepared using information required by the *Technical Requirements for Site Remediation* (N.J.A.C. 7:26E) (*Technical Requirements*). Section 1 of this UST Closure and Remedial Investigation Report provides a summary of the UST decommissioning activities. Section 2 of this report describes the site investigation activities. Conclusions and recommendations, including the results of the soil sampling investigation, are presented in Section 3 of this report.

1.2 SITE DESCRIPTION

700 Area is located in the southern portion of the Main Post area of Fort Monmouth, as shown on Figure 1. UST No. B1 17 was located southwest and across Radio Avenue from Building 702. The fill port and appurtenant piping was not encountered in the excavation. A site map is provided on Figure 2. The 700 Area was assessed for abandoned USTs using a geophysical survey and historical maps.

1.2.1 Geological/Hydrogeological Setting

The following is a description of the geological/hydrogeological setting of the 700 Area. Included is a description of the regional geology of the area surrounding Fort Monmouth as well as descriptions of the local geology and hydrogeology of the Main Post area.

Regional Geology

Monmouth County lies within the New Jersey Section of the Atlantic Coastal Plain physiographic province. The Main Post, Charles Wood and the Evans areas are located in what may be referred to as the Outer Coastal Plain subprovince, or the Outer Lowlands.

In general, New Jersey Coastal Plain formations consist of a seaward-dipping wedge of unconsolidated deposits of clay, silt and gravel. These formations typically strike northeast-southwest with a dip ranging from 10 to 60 feet per mile and were deposited on Precambrian and lower Paleozoic rocks (Zapecza, 1989). These sediments, predominantly derived from deltaic, shallow marine, and continental shelf environments, date from Cretaceous through the Quaternary Periods. The mineralogy ranges from quartz to glauconite.

The formations record several major transgressive/regressive cycles and contain units which are generally thicker to the southeast and reflect a deeper water environment. Over 20 regional geologic units are present within the sediments of the Coastal Plain. Regressive, upward coarsening deposits are usually aquifers (e.g., Englishtown and Kirkwood Formations, and the Cohansey Sand) while the transgressive deposits act as confining units (e.g., the Merchantville, Marshalltown, and Navesink Formations). The individual thicknesses for these units vary greatly (i.e., from several feet to several hundred feet). The Coastal Plain deposits thicken to the southeast from the Fall Line to greater than 6,500 feet in Cape May County (Brown and Zapecza, 1990).

Local Geology

Based on the regional geologic map (Jablonski, 1968), the Cretaceous age Red Bank and Tinton Sands outcrop at the Main Post area. The Red Bank sand conformably overlies the Navesink Formation and dips to the southeast at 35 feet per mile. The upper member

(Shrewsbury) of the Red Bank sand is a yellowish-gray to reddish brown clayey, medium- to coarse-grained sand that contains abundant rock fragments, minor mica and glauconite (Jablonski). The lower member (Sandy Hook) is a dark gray to black, medium-to-fine grained sand with abundant clay, mica, and glauconite.

The Tinton sand conformably overlies the Red Bank Sand and ranges from a clayey medium to very coarse grained feldspathic quartz and glauconite sand to a glauconitic coarse sand. The color varies from dark yellowish orange or light brown to moderate brown and from light olive to grayish olive. Glauconite may constitute 60 to 80 percent of the sand fraction in the upper part of the unit (Minard, 1969). The upper part of the Tinton is often highly oxidized and iron oxide encrusted (Minard).

Hydrogeology

The water table aquifer in the Main Post area is identified as part of the "composite confining units", or minor aquifers. The minor aquifers include the Navesink formation, Red Bank Sand, Tinton Sand, Hornerstown Sand, Vincentown Formation, Manasquan Formation, Shark River Formation, Piney Point Formation, and the basal clay of the Kirkwood Formation.

Based on records of wells drilled in the Main Post area, water is typically encountered at depths of 2 to 9 feet below ground surface (bgs). According to Jablonski, wells drilled in the Red Bank and Tinton Sands may produce 2 to 25 gallons per minute (gpm). Some well owners have reported acidic water that requires treatment to remove iron.

Due to the proximity of the Atlantic Ocean to Fort Monmouth, shallow groundwater may be tidally influenced and may flow toward creeks and brooks as the tide goes out, and away from creeks and brooks as the tide comes in. However, an abundance of clay lenses and sand deposits were noted in borings installed throughout Fort Monmouth. Therefore the direction of shallow groundwater should be determined on a case by case basis.

Shallow groundwater is locally influenced within the Main Post area by the following factors:

- tidal influence (based on proximity to the Atlantic Ocean, rivers and tributaries)
- topography
- nature of the fill material within the Main Post area
- presence of clay and silt lenses in the natural overburden deposits
- local groundwater recharge areas (e.g., streams, lakes)

Due to the fluvial nature of the overburden deposits (e.g., sand and clay lenses), shallow groundwater flow direction is best determined on a case-by-case basis. This is consistent with lithologies observed in borings installed within the Main Post area, which primarily consisted of fine-to-medium grained sands, with occasional lenses or laminations of gravel silt and/or clay.

The 700 Area is located approximately 50 feet north of Husky Brook, the nearest water body, which flows into Oceanport Creek. Based on the Main Post topography, the groundwater flow in the area of the 700 Area is anticipated to be to the southeast.

1.3 HEALTH AND SAFETY

Work site health and safety hazards were minimized during all decommissioning activities. All areas which posed a vapor hazard were monitored by a qualified individual utilizing an organic vapor analyzer (OVA). The individual ascertained if the area was properly vented to render the area safe, as defined by OSHA. All work areas were properly vented to insure that there were no contaminants present in the breathing zone above permissible exposure limits (PEL's).

1.4 REMOVAL OF UNDERGROUND STORAGE TANK

1.4.1 General Procedures

- All underground utilities were marked out by the respective shops or utility contractor prior to excavation activities.
- All activities were carried out with great regard to safety and health and the safeguarding of the environment.
- All excavated soils were visually examined and screened with an OVA for evidence of contamination. Potentially contaminated soils were identified and logged during closure activities.
- Surface materials (i.e., asphalt, concrete, etc.) were excavated and staged separately from all soil and recycled in accordance with all applicable regulations and laws.
- A certified Subsurface Evaluator was present during all closure activities.

1.4.2 Underground Storage Tank Excavation and Cleaning

During decommissioning activities, surficial soil was removed to expose the UST. The tank was completely emptied of all liquids prior to removal from the ground. Approximately 900 gallons of liquid was pumped out of the UST and transported by Lorco Petroleum Services, Inc. to their NJDEP-approved petroleum recycling and disposal facility located in Elizabeth, New Jersey. Refer to Appendix C for non-hazardous waste manifest (No. NJZ-49683).

After the UST was removed from the excavation, it was staged on polyethylene sheeting, labeled and examined for holes. Holes were observed during the inspection by the Subsurface Evaluator. Soils surrounding the UST were screened visually and with an OVA for evidence of

contamination. Soil staining and an odor of fuel was observed. It was determined that soil excavation would be conducted prior to sampling. DPW personnel were made aware of the field conditions that existed, prompting them to call the NJDEP Spill Hotline, in which Case No. 04-04-05-1357-41 was assigned.

1.5 UNDERGROUND STORAGE TANK TRANSPORTATION AND DISPOSAL

Subsequent to disposal, the UST was purged with air to remove vapors prior to cutting. An access hole was made in the UST to allow for cleaning using squeegees and adsorbents. The tank was then transported by TVS to Recycling Technology Center, Inc., Shafto Rd., Tinton Falls, NJ for disposal in compliance with all applicable regulations and laws. Refer to Appendix C for UST disposal certificate.

The Subsurface Evaluator labeled the UST with the following information:

- site of origin
- NJDEP UST Facility ID number
- date of removal
- size of tank
- previous contents of tank

1.6 MANAGEMENT OF EXCAVATED SOILS

Based on OVA air monitoring and visual observations, approximately 10 cubic yards of potentially contaminated soil was excavated from the area surrounding the UST. All potentially contaminated soil was loaded into a truck and transported to the Main Post ID 27 Soil Staging Area (located behind Bldg.166) prior to ultimate disposal at Soil Remediation of Philadelphia. Soils that did not exhibit signs of contamination were separated during the excavation and used as backfill following removal of the UST.

2.0 REMEDIAL INVESTIGATION ACTIVITIES

2.1 OVERVIEW

The Remedial Investigation was managed and carried out by US Army DPW personnel. All analyses were performed and reported by Fort Monmouth Environmental Testing Laboratory, a NJDEP-certified testing laboratory. All sampling was performed by a NJDEP Certified Subsurface Evaluator according to the methods described in the NJDEP Field Sampling Procedures Manual (1992). Sampling frequency and parameters analyzed complied with the NJDEP document *Technical Requirements for Site Remediation, 7:26E-3.9* (December 17, 2002 and revisions dated February 3, 2003) which was the applicable regulation at the date of the closure. All records of the Remedial Investigation activities are maintained by the Fort Monmouth DPW Environmental Office.

The following Parties participated in Closure and Remedial Investigation Activities.

- Ft. Monmouth Directorate of Public Works-Environmental Division
  Contact Person: Douglas Guenther
  Phone Number: (732) 532-0986

- Subsurface Evaluator: Frank Accorsi
  Employer: TECOM-Vinnell Services, Inc. (TVS)
  Phone Number: (732) 532-2577
  NJDEP License No.: 0010042

- Analytical Laboratory: Fort Monmouth Environmental Testing Laboratory
  Contact Person: Dan Wright
  Phone Number: (732) 532-4359
  NJDEP Laboratory Certification No.: 13461

- Hazardous Waste Hauler: Lorco Petroleum Services, Inc., Elizabeth, NJ
  Contact Person: Dan MacKay
  Phone Number: (908) 820-8800
  US EPA ID No.: NJR000023036

2.2 FIELD SCREENING/MONITORING

Field screening was performed by a NJDEP certified Subsurface Evaluator using an OVA and visual observations to identify potentially contaminated material. Soils were removed from the excavation surrounding UST No. B1 17 until no evidence of contamination remained.

2.3 SOIL SAMPLING

On April 6, 2004, post-excavation soil samples A, B, C, D and Duplicate E were collected from a total of four (4) locations along the sidewalls and the bottom of the UST excavation. Groundwater was present at approximately 11 feet below ground surface (bgs). Refer to soil sampling location map in Figure 2. All samples were analyzed for TPH.

The site assessment was performed by TVS personnel in accordance with the NJDEP *Technical Requirements for Site Remediation* and the NJDEP *Field Sampling Procedures Manual*. A summary of sampling activities including parameters analyzed is provided on Table 1. The post-excavation soil samples were collected using stainless steel trowels. After collection, the samples were immediately placed on ice in a cooler and delivered to Fort Monmouth Environmental Testing Laboratory for analysis.

3.0 CONCLUSIONS AND RECOMMENDATIONS

3.1 SOIL SAMPLING RESULTS

Post-excavation soil samples were collected from a total of four locations on April 6, 2004 to evaluate soil conditions following removal of the UST. All samples were analyzed for TPH. The post-excavation soil sample results were compared to the NJDEP health based criterion of 10,000 mg/kg for total organic contaminants (N.J.A.C. 7:26D and revisions dated February 3, 1994). A summary of the analytical results and comparison to the NJDEP soil cleanup criteria is provided on Table 2. The analytical data package, including associated quality control data, is provided in Appendix E.

Post-excavation soil samples collected from the UST remedial excavation contained concentrations of TPH below the NJDEP soil cleanup criteria. Post-excavation samples A through E contained TPH concentrations of Not Detected.

3.2 CONCLUSIONS AND RECOMMENDATIONS

The analytical results for all post-excavation soil samples collected from the UST closure excavation at UST No. B1 17 were below the NJDEP soil cleanup criteria for total organic contaminants.

Based on the post-excavation soil sampling results, soils with TPH concentrations exceeding the NJDEP soil cleanup criteria for total organic contaminants of 10,000 mg/kg have been excavated from the former location of UST No. B1 17.

No further action is proposed in regard to the closure and site assessment of UST No. B1 17 at the 700 Area.

TABLES

TABLE 1

SUMMARY OF LABORATORY ANALYSIS
FT. MONMOUTH, 700 Area, UST No.B1 17
06, April 2004

SAMPLE ID	LABORATORY SAMPLE ID	LOCATION	SAMPLE MATRIX	ANALYSIS
B1 17-A	4024201	NORTH WALL	SOIL	TPH
B1 17-B	4024202	SOUTH WALL	SOIL	TPH
B1 17-C	4024203	EAST WALL	SOIL	TPH
B1 17-D	4024204	WEST WALL	SOIL	TPH
B1 17-E	4024205	DUPLICATE (WEST WALL)	SOIL	TPH
B1 17 GW	4024206	GROUNDWATER	AQUEOUS	TPH

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons, Method NJDEPOQA-25
VOA = Volatile Organic Analysis, Method EPA 8260

TABLE 2

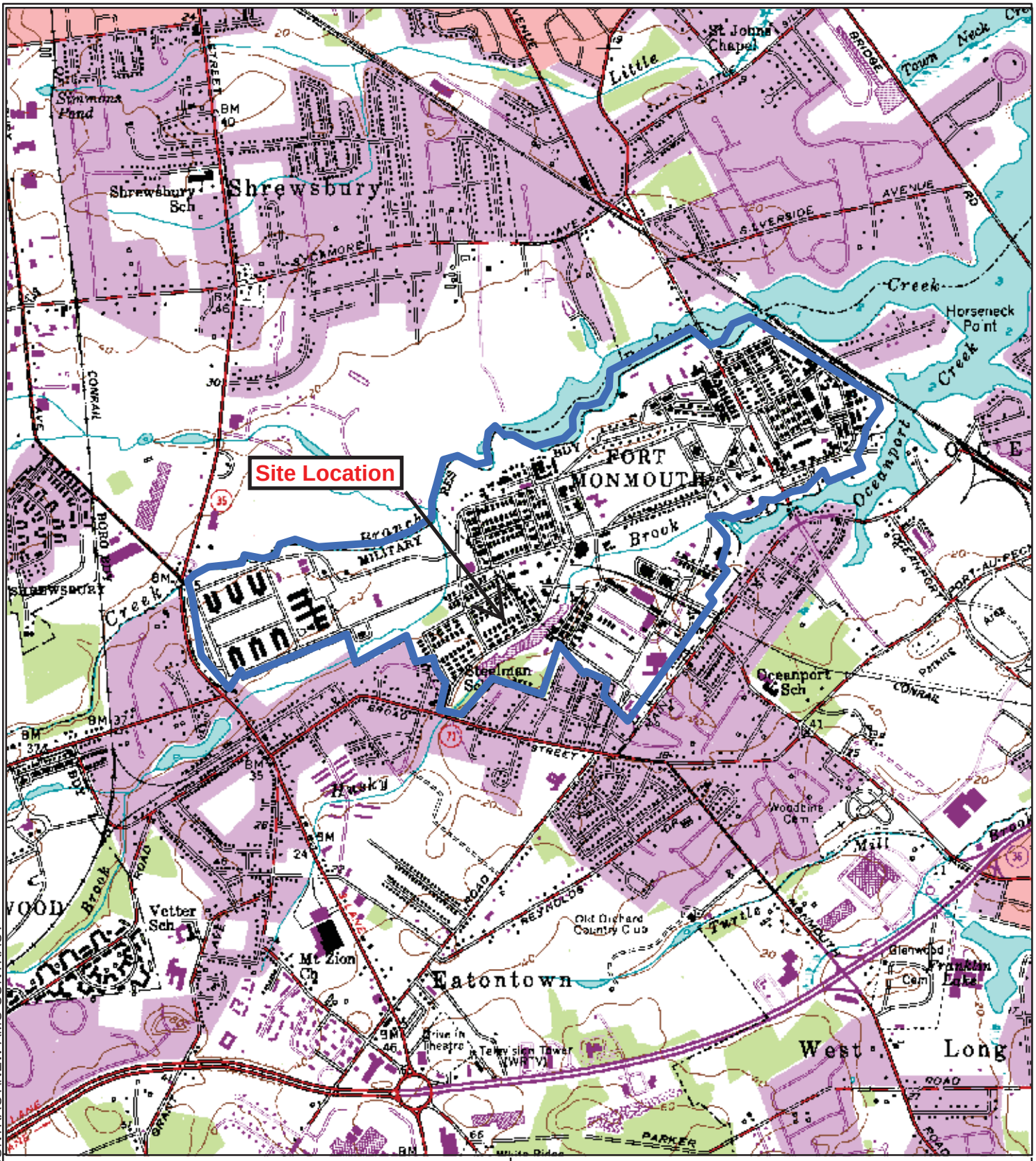
SUMMARY OF LABORATORY ANALYTICAL RESULTS
FT. MONMOUTH, 700 AREA, UST No.B1 17
16, April 2004

TOTAL PETROLEUM HYDROCARBONS

SAMPLE ID	NJDEP ACTION LEVEL	LOCATION	DEPTH (IN FEET)	RESULT IN mg/kg
B1 17-A	10,000	NORTH WALL	5.0 – 5.5	ND
B1 17-B	10,000	SOUTH WALL	5.0 – 5.5	ND
B1 17-C	10,000	EAST WALL	5.0 – 5.5	ND
B1 17-D	10,000	WEST WALL	5.0 – 5.5	ND
B1 17-E	10,000	DUPLICATE (WEST WALL)	5.0 – 5.5	ND
B1 17 GW	10,000	GROUNDWATER	N/A	ND**

ABBREVIATIONS:
mg/kg = Milligrams Per Kilogram = parts per million
ND = Compound Not Detected
NA = Compound Not Analyzed
*= Further Analyzed for Volatiles
** = mg/L = Milligrams Per Liter = parts per million

FIGURES



2,000 1,000 0 2,000 Feet

SOURCE: USGS DIGITAL TOPOQUAD
LONGBRANCH, NJ
1954 - PHOTOREVISED 1981

LEGEND

FTMM Boundary (approx.)

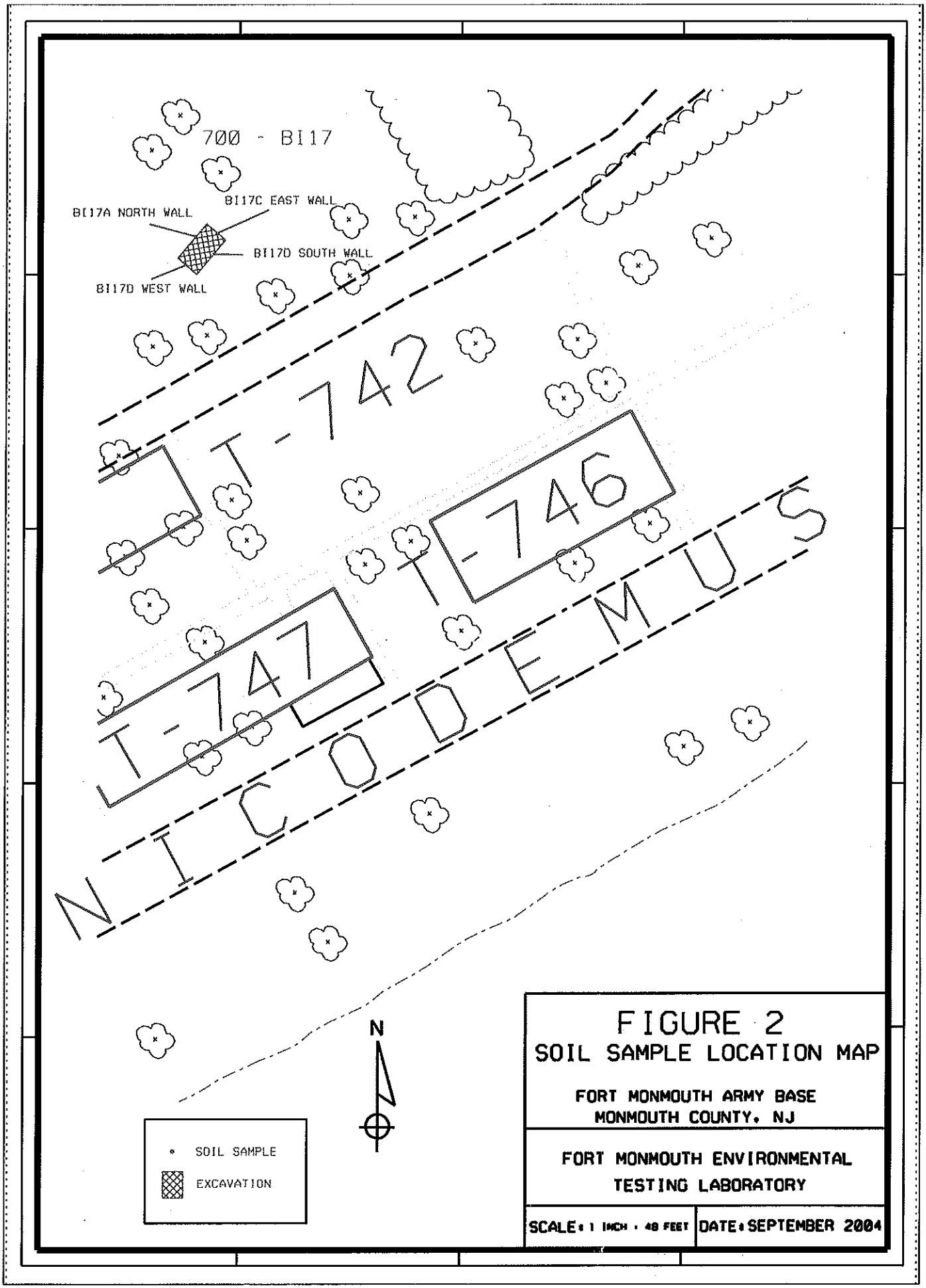
FIGURE 1

U.S. Army Installation Fort Monmouth Location Map

Fort Monmouth, Eatontown, New Jersey

DATE:	10/04/05
DESIGNED BY:	JR\KJP
SCALE:	AS SHOWN
JOB NO.:	S3152.03
DWG. NO.:	Figure 1

S:\PROJECTS\FEDERAL\AMC CONTRACT\NEW AMC CONTRACT



...\FA700Area UST BI17.dgn 09/30/2004 03:00:19 PM

US ARMY - FT. MONMOUTH, NJ

700 AREA-UST #700-BI17
SOIL SAMPLE GPS POSITIONS & COORDINATES

US STATE PLANE 1983, NJ (NY EAST) 2900, NAD 1983 (CONUS)

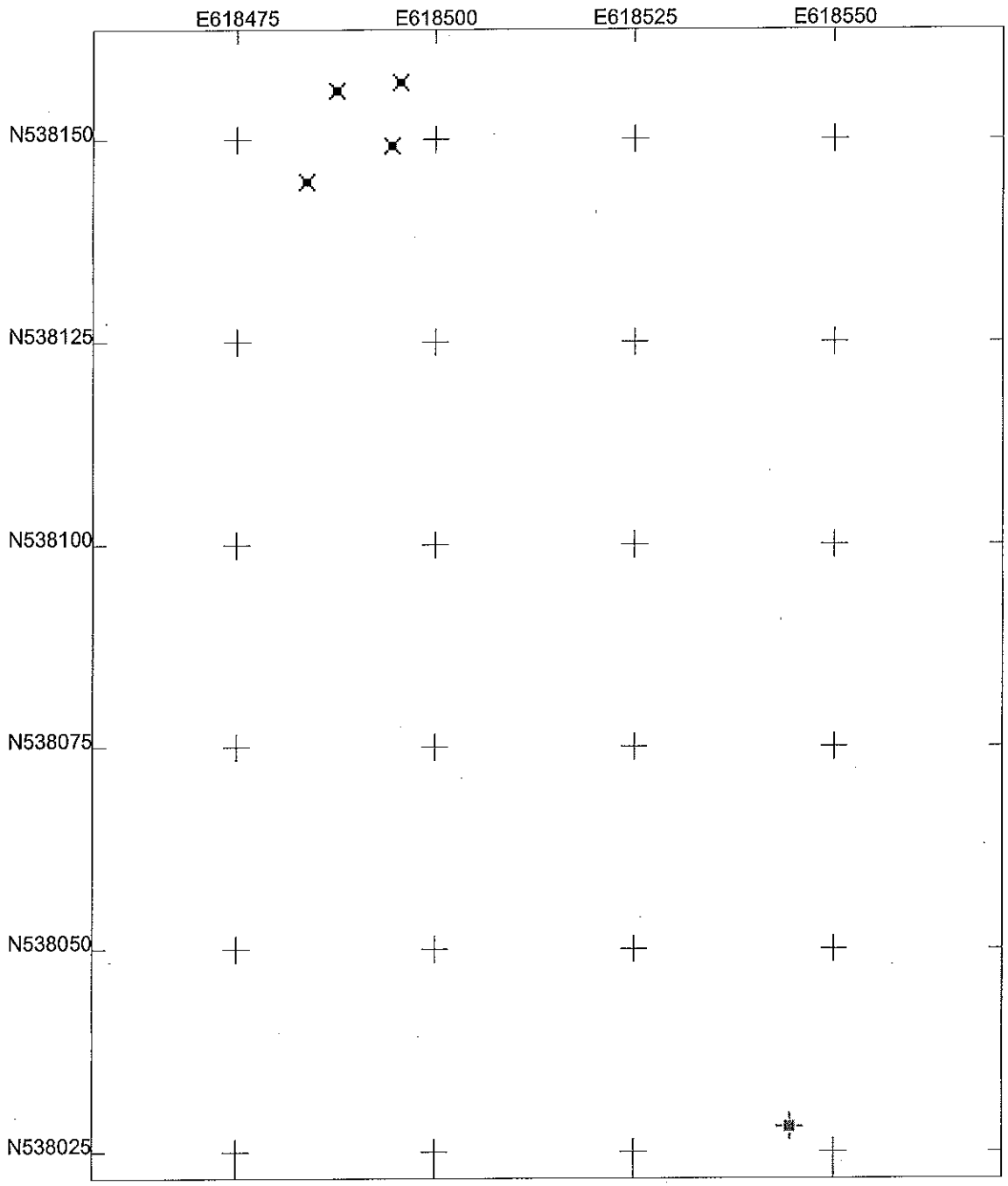
(IN US SURVEY FEET)

SAMPLE POINTS

POSITION/DESCRIPTION	Y COORDINATE (NORTHING)	X COORDINATE (EASTING)
BI17A NORTH WALL	538156.136	618487.388
BI17B SOUTH WALL	538149.335	618494.376
BI17C EAST WALL	538157.202	618495.458
BI17D WEST WALL	538144.887	618483.595

REFERENCE POINTS

POSITION/DESCRIPTION	Y COORDINATE (NORTHING)	X COORDINATE (EASTING)
BLDG747 NW CORNER	538028.088	618544.527



Ft. Monmouth - Main Post - 800 Area
UST # 700-BI17 Soil Sample GPS Map

US State Plane 1983
New Jersey 2900
NAD 1983 (Conus)

N

Scale 1:250
0 0.006
Miles

700BI17.ssf
7/12/2004
GPS Pathfinder
Trimble

APPENDIX A

CERTIFICATIONS

Not Available

APPENDIX B

WASTE MANIFEST

Not Available

APPENDIX C

UST DISPOSAL CERTIFICATE

Not Available

APPENDIX D

PHOTO DOCUMENTATION

Not Available

APPENDIX E

SOIL ANALYTICAL DATA PACKAGE

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732) 532-4359 FAX: (732) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461, NYSDOH #11699



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 04-29429

700 Area/UST # BI 17

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
BI 17-A North Wall	4024201	Soil	06-April-04 13:10	04/06/04
BI 17-B South Wall	4024202	Soil	06-April-04 13:30	04/06/04
BI 17-C East Wall	4024203	Soil	06-April-04 14:00	04/06/04
BI 17-D West Wall	4024204	Soil	06-April-04 14:20	04/06/04
BI 17-E Duplicate	4024205	Soil	06-April-04 14:20	04/06/04
BI 17 GW	4024206	Aqueous	06-April-04 11:10	04/06/04
Trip Blank	4024207	Methanol	06-April-04	04/06/04

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
TPHC, % SOLIDS

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

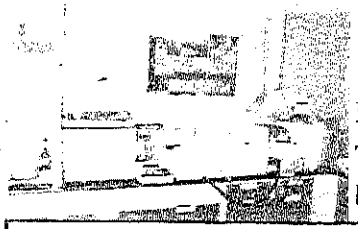
4-19-04
Daniel Wright/Date
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

Table of Contents

Section	Page No.
Chain of Custody	1-2
Method Summary	3-4
Laboratory Chronicle	5-6
Conformance/Non-Conformance Summary	7-8
Total Petroleum Hydrocarbons	9
Result Summary	10-11
Calibration Summary	12-25
Surrogate Results Summary	26-27
MS/MSD Results Summary	28-31
Raw Sample Data	32-47
Laboratory Deliverable Checklist	48
Laboratory Authentication Statement	49

CHAIN OF CUSTODY



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: DOUG GUENTHER
Phone #: X 20986
( )DERA ( )OMA ( )Other: RCI

Project No: 04-29429
Location: 700 AREA
UST #BI 17

Samplers Name / Company: FRANK ACCORSI / TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	TPH	VOA 15*				PID (PPM)	DEPTH (ft)	VOA #	Comments: Remarks / Preservation Method
40242 01	BI17-A, NORTH WALL	4-6-04	1310	SOIL	2	X	X				94	5-5.5	3941	ICE
02	BI17-B, SOUTH WALL		1330		2	X	X				8	5-5.5	3940	
03	BI17-C, EAST WALL		1400		2	X	X				5	5-5.5	3939	
04	BI17-D, WEST WALL		1420		2	X	X				8	5-5.5	3942	
05	BI17-E, DUPLICATE		1420		2	X	X				6	5-5.5	3943	
06	BI17 GW		1110		1	X					—	—		
07	TRIP BLANK		—	AQ	1		X				—	—	3944	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Frank Accorsi	4-6-04 1545				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (X)Reduced, (_)Standard, (_)Screen / non-certified, (_)EDD
Turnaround time: (_)Standard 3 wks, (X)Rush 10 Days, (_)ASAP Verbal ____Hrs.

Remarks: * VOA 15 ON 2 SOIL > 1,000 PPM TPH, ON HIGHEST, MIN. ONE

200000

print legibly

Coc8/7/02

METHOD SUMMARY

Method Summary

NJDEP Method OQA-QAM-025 10/97
Gas Chromatographic Determination of Total Petroleum Hydrocarbons in Soil

Fifteen grams (15g) of soil is added to a 125-ml acid cleaned and solvent rinsed capped Erlenmeyer flask. 15g anhydrous Sodium Sulfate is added to dry the sample. Surrogate standard spiking solution is then added to the flask.

Twenty-five ml of Methylene Chloride is added to the flask and it is secured on an orbital shaker table. The agitation rate is set to 400 rpm and the sample is shaken for 30 minutes. The flask is removed from the table and the particulate matter is allowed to settle. The extract is transferred to a Teflon capped vial. A second 25-ml of Methylene Chloride is added to the flask and shaken for an additional 30 minutes. The flask is again removed and allowed to settle. The extracts are combined in the vial then transferred to a 1-ml autosampler vial.

The extract is then injected directly into a GC-FID for analysis. The sample is analyzed for Petroleum Hydrocarbons covering a range of C8-C42, including Pristane and Phytane. Total Petroleum Hydrocarbon concentration is determined by integrating between 5 minutes and 22 minutes. The baseline is established by starting the integration after the end of the solvent peak and stopping after the last peak. The final concentration of Total Petroleum Hydrocarbons is calculated using percent moisture, sample weight and concentration.

LABORATORY CHRONICLE

Laboratory Chronicle

Lab ID: 40242

Site: 700 Area
UST # BI 17

	Date	Hold Time
Date Sampled	04/06/04	NA
Receipt/Refrigeration	04/06/04	NA
Extraction		
1. TPHC	04/09/04	14 days
Analyses		
1. TPHC	04/16/04	40 days

CONFORMANCE/ NON-CONFORMANCE SUMMARY

TPHC CONFORMANCE/NON–CONFORMANCE SUMMARY REPORT

		Indicate Yes, No, N/A
1.	Method Detection Limits Provided	yes
2.	Method Blank Contamination – If yes, list the sample and the corresponding concentrations in each blank	NO
3.	Matrix Spike Results Summary Meet Criteria (If not met, list the sample and corresponding recovery which falls outside the acceptable range)	yes
4.	Duplicate Results Summary Meet Criteria	yes
5.	IR Spectra submitted for standards, blanks and samples	NA
6.	Chromatograms submitted for standards, blanks and samples if GC fingerprinting was conducted	yes
7.	Analysis holding time met (If not met, list number of days exceeded for each sample)	yes

Additional comments: _____

Laboratory Manager: _____ Date: 4-19-04

TPHC

Report of Analysis
U.S.Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Project # :	40242
	DPW. SELFM-PW-EV	Location :	700 Area
	Bldg. 173	UST Reg. # :	BI 17
	Ft. Monmouth, NJ 07703		
Analysis :	OQA-QAM-025	Date Received :	06-Apr-04
Matrix :	Soil	Date Extracted :	09-Apr-04
Inst. ID. :	GC TPHC INST. #1	Extraction Method :	Shake
Column Type :	RTX-5, 0.32mm ID, 30M	Analysis Complete :	16-Apr-04
Injection Volume :	1uL	Analyst :	B.Patel

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
4024201	BI 17-A	1.00	15.02	79.75	189	ND
4024202	BI 17-B	1.00	15.11	81.86	183	ND
4024203	BI 17-C	1.00	15.24	74.31	200	ND
4024204	BI 17-D	1.00	15.11	80.49	186	ND
4024205	BI 17-E	1.00	15.07	79.40	189	ND
METHOD BLANK	MB-040904-01	1.00	15.00	100.00	151	ND

ND = Not Detected

MDL = Method Detection Limit

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	US Army DPW.SELFM-PW-EV Bldg173 Ft. Monmouth, NJ 07703	**Project # :**	40242
		Location :	700 Area
		UST Reg. # :	
Analysis :	OQA-QAM-025	**Date Received :**	06-Apr-04
Matrix :	Aqueous	**Date Extracted :**	08-Apr-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	SepFunnel
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	16-Apr-04
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Final Volume (ml)	Initial Volume (ml)	MDL (mg/L)	TPHC Result (mg/L)
4024206	BI 17 GW	1.00	5.00	250.00	0.8	ND
METHOD BLANK	MB-040804-02	1.00	5.00	250.00	0.8	ND

ND = Not Detected

MDL = Method Detection Limit

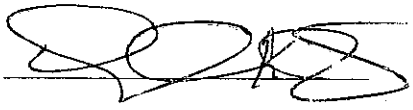
LABORATORY DELIVERABLES CHECKLIST AND NON-CONFORMANCE SUMMARY

THIS FORM MUST BE COMPLETED BY THE LABORATORY OR ENVIRONMENTAL CONSULTANT AND ACCOMPANY ALL DATA SUBMISSIONS

The following Laboratory Deliverables Checklist and Non-Conformance Summary shall be included in the data submission. All deviations from the accepted methodology and procedures, of performance values outside acceptable ranges shall be summarized in the Non-Conformance Summary. The Technical Requirements for Site Remediation, effective June 7, 1993, provides further details. The document shall be bound and paginated, contain a table of contents, and all pages shall be legible. Incomplete data packages will be returned or held without review until the data package is completed.

It is recommended that the analytical results summary sheets listing all targeted and non-targeted compounds with the method detection limits, practical quantitation limits, and the laboratory and/or sample numbers be included in one section of the data package and in the main body of the report.

1.	Cover Page, Title Page listing Lab Certification #, facility name and address, & date of report submitted.	✓
2.	Table of Contents submitted.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds submitted.	✓
4.	Document paginated and legible.	✓
5.	Chain of Custody submitted.	✓
6.	Samples submitted to lab within 48 hours of sample collection.	✓
7.	Methodology Summary submitted.	✓
8.	Laboratory Chronicle and Holding Time Check submitted.	✓
9.	Results submitted on a dry weight basis.	✓
10.	Method Detection Limits submitted.	✓
11.	Lab certified by NJDEP for parameters of appropriate category of parameters or a member of the USEPA CLP.	✓

Laboratory Manager or Environmental Consultant's Signature 

Date: 4 / 19 / 04

Laboratory Certification # 13461

*Refer to NJAC 7:26E – Appendix A, Section IV – Reduced Data Deliverables – Non-USEPA/CLP Methods for further guidance.

Laboratory Authentication Statement

I certify under penalty of law, where applicable, that this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18 and 40 CFR Part 136 for Water and Wastewater Analyses and SW-846 for Solid Waste Analysis. I have personally examined the information contained in this report and to the best of my knowledge, I believe that the submitted information is true, accurate, complete and meets the above referenced standards where applicable. I am aware that there are significant penalties for purposefully submitting falsified information, including the possibility of a fine and imprisonment.

_____

Daniel K. Wright
Laboratory Manager

ATTACHMENT J

UST 700-18 Report

U.S. Army Garrison
Fort Monmouth, New Jersey

Underground Storage Tank Closure and Remedial Investigation Report

Main Post – 700 Area (UST No. B1 18)

NJDEP Case No. 04-04-14-1304-04
UST No. B1 18

April 2005

UNDERGROUND STORAGE TANK CLOSURE AND REMEDIAL INVESTIGATION REPORT

MAIN POST - 700 AREA (UST#B1 18)
NJDEP CASE NO. 04-04-14-1304-04

APRIL 2005

PROJECT NO.: 04-24929

PREPARED FOR:

U.S. ARMY GARRISON, FORT MONMOUTH, NJ
DIRECTORATE OF PUBLIC WORKS
BUILDING 167
FORT MONMOUTH, NJ 07703

PREPARED BY:

TECOM-VINNELL SERVICES
P.O. BOX 60
FT. MONMOUTH, NJ 07703

TABLE OF CONTENTS

EXECUTIVE SUMMARY **IV**

1.0 UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES 1

1.1 Overview 1
1.2 Site Description 2

1.2.1 Geological/Hydrogeological Setting 2

1.3 Health and Safety 4
1.4 Removal of Underground Storage Tank 4

1.4.1 General Procedures 4
1.4.2 Underground Storage Tank Excavation and Cleaning 4

1.5 Underground Storage Tank Transportation and Disposal 5
1.6 Management of Excavated Soils 5

2.0 REMEDIAL INVESTIGATION ACTIVITIES 6

2.1 Overview 6
2.2 Field Screening/Monitoring 6
2.3 Soil Sampling 7

3.0 CONCLUSIONS AND RECOMMENDATIONS 8

3.1 Soil Sampling Results 8
3.2 Conclusions and Recommendations 8

TABLE OF CONTENTS (CONTINUED)

FIGURES

Figure 1 **Site Location Map**
Figure 2 **Soil Sampling Location Site Map**

TABLES

Table 1 **Summary of Laboratory Analysis**
Table 2 **Summary of Laboratory Analytical Results-TPH**
Table 3 **Summary of Laboratory Analytical Results-VOA**

APPENDICES

Appendix A **Certifications**
Appendix B **Waste Manifest**
Appendix C **UST Disposal Certificate**
Appendix D **Photo Documentation**
Appendix E **Soil Analytical Data Package**

EXECUTIVE SUMMARY

UST Closure

On April 12, 2004, a single wall steel underground storage tank (UST) was closed by removal in accordance with the Directorate of Public Works (DPW) UST Management Plan for the U.S. Army Garrison, Fort Monmouth, New Jersey. The UST was located near 700 Area in the Main Post area of Fort Monmouth. UST No. B1 18 was a 1,000-gallon No. 2 heating oil tank. The fill port and associated supply/return piping was not present in the excavation. The tank closure was performed by TECOM-Vinnell Services, Inc. (TVS).

Site Assessment

The site assessment was performed by TVS personnel in accordance with the NJDEP *Technical Requirements for Site Remediation* (N.J.A.C. 7:26E) and the NJDEP *Field Sampling Procedures Manual*. Soils surrounding the tank were screened visually and with air monitoring instruments for evidence of contamination. Following removal, the UST was inspected for holes. Holes were noted in the UST and potentially contaminated soils were observed surrounding the tank.

Post-excavation soil samples were collected after the removal of the UST and approximately 10 cubic yards of potentially contaminated soils. Post-excavation samples A, B, C, D and E-Duplicate were collected from a total of four (4) locations along the sidewalls and bottom of the excavation. All samples were analyzed for total petroleum hydrocarbons (TPH).

On April 29, 2004, an additional 10 cubic yards of potentially contaminated soils was removed from the south wall of the excavation. One post-excavation soil sample was collected from the south sidewall of the expanded portions of the excavation immediately above groundwater and was analyzed for TPH. Groundwater was present at approximately 11 feet below ground surface (bgs).

Findings

The initial post-excavation soil samples collected from the UST excavation associated with former UST No. 800-21, contained TPH concentrations above the NJDEP health based criterion of 10,000 milligrams per kilogram (mg/kg) for total organic contaminants (N.J.A.C. 7:26E and revisions dated February 3, 1994). Sample B contained TPH concentrations of 15,094 mg/kg. Subsequently, after further excavation of the area which had these results, analytical results of sample F had TPH concentrations of not detected.

Site Restoration

Following receipt of all post-excavation soil sampling results, the excavation was backfilled to grade with a combination of uncontaminated excavated soil and clean fill. The excavation site was then restored to its original condition with four inches of stone and four inches of asphalt.

Conclusions and Recommendations

Based on the post-excavation soil sampling results, soils with TPH concentrations exceeding the NJDEP health based criterion of 10,000 mg/kg for total organic contaminants do not remain in the former location of the UST. Of the samples analyzed for volatile organics, there are no detected compounds that exceed the NJDEP Residential Direct Contact Soil Cleanup Criteria.

No further action is proposed in regard to the closure and site assessment of UST No. B1 18 at the 700 Area.

1.0 UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES

1.1 OVERVIEW

One underground storage tank (UST), New Jersey Department of Environmental Protection (NJDEP) Registration No. 081533, was closed in the 700 area of Main Post at US Army Garrison, Fort Monmouth, New Jersey on April 12, 2004. Refer to site location map on Figure 1. This report presents the results of the implementation of the DPW's UST Management Plan, March, 1996. The UST was a 1,000-gallon, single-walled steel tank containing No. 2 heating oil.

Decommissioning activities for UST No. B1 18 complied with all applicable federal, state and local laws and ordinances in effect at the date of decommissioning. These laws included but were not limited to: N.J.A.C. 7:14B-1 et seq., N.J.A.C. 5:23-1 et seq., and Occupational Safety and Health Administration (OSHA) 1910.146 & 1910.120. The closure and subsurface evaluation of the UST was conducted by a NJDEP licensed TVS employee.

This UST Closure and Remedial Investigation Report has been prepared by TVS to assist the US Army Garrison DPW in complying with the NJDEP - Underground Storage Tanks regulations. The applicable NJDEP regulations at the date of closure were the *Closure Requirements for Underground Storage Tank Systems* (N.J.A.C. 7:14B-9 et seq. September 1990 and revisions dated May 19, 2003).

This report was prepared using information required by the *Technical Requirements for Site Remediation* (N.J.A.C. 7:26E) (*Technical Requirements*). Section 1 of this UST Closure and Remedial Investigation Report provides a summary of the UST decommissioning activities. Section 2 of this report describes the site investigation activities. Conclusions and recommendations, including the results of the soil sampling investigation, are presented in Section 3 of this report.

1.2 SITE DESCRIPTION

The 700 Area is located in the southern portion of the Main Post area of Fort Monmouth, as shown on Figure 1. UST No. B1 18 was located southwest and across Radio Avenue from Building 702. The fill port and appurtenant piping was not encountered in the excavation. A site map is provided on Figure 2. The 700 Area was assessed for abandoned USTs using a geophysical survey and historical maps.

1.2.1 Geological/Hydrogeological Setting

The following is a description of the geological/hydrogeological setting of the 700 Area. Included is a description of the regional geology of the area surrounding Fort Monmouth as well as descriptions of the local geology and hydrogeology of the Main Post area.

Regional Geology

Monmouth County lies within the New Jersey Section of the Atlantic Coastal Plain physiographic province. The Main Post, Charles Wood and the Evans areas are located in what may be referred to as the Outer Coastal Plain subprovince, or the Outer Lowlands.

In general, New Jersey Coastal Plain formations consist of a seaward-dipping wedge of unconsolidated deposits of clay, silt and gravel. These formations typically strike northeast-southwest with a dip ranging from 10 to 60 feet per mile and were deposited on Precambrian and lower Paleozoic rocks (Zapecza, 1989). These sediments, predominantly derived from deltaic, shallow marine, and continental shelf environments, date from Cretaceous through the Quaternary Periods. The mineralogy ranges from quartz to glauconite.

The formations record several major transgressive/regressive cycles and contain units which are generally thicker to the southeast and reflect a deeper water environment. Over 20 regional geologic units are present within the sediments of the Coastal Plain. Regressive, upward coarsening deposits are usually aquifers (e.g., Englishtown and Kirkwood Formations, and the Cohansey Sand) while the transgressive deposits act as confining units (e.g., the Merchantville, Marshalltown, and Navesink Formations). The individual thicknesses for these units vary greatly (i.e., from several feet to several hundred feet). The Coastal Plain deposits thicken to the southeast from the Fall Line to greater than 6,500 feet in Cape May County (Brown and Zapecza, 1990).

Local Geology

Based on the regional geologic map (Jablonski, 1968), the Cretaceous age Red Bank and Tinton Sands outcrop at the Main Post area. The Red Bank sand conformably overlies the Navesink Formation and dips to the southeast at 35 feet per mile. The upper member

(Shrewsbury) of the Red Bank sand is a yellowish-gray to reddish brown clayey, medium- to coarse-grained sand that contains abundant rock fragments, minor mica and glauconite (Jablonski). The lower member (Sandy Hook) is a dark gray to black, medium-to-fine grained sand with abundant clay, mica, and glauconite.

The Tinton sand conformably overlies the Red Bank Sand and ranges from a clayey medium to very coarse grained feldspathic quartz and glauconite sand to a glauconitic coarse sand. The color varies from dark yellowish orange or light brown to moderate brown and from light olive to grayish olive. Glauconite may constitute 60 to 80 percent of the sand fraction in the upper part of the unit (Minard, 1969). The upper part of the Tinton is often highly oxidized and iron oxide encrusted (Minard).

Hydrogeology

The water table aquifer in the Main Post area is identified as part of the "composite confining units", or minor aquifers. The minor aquifers include the Navesink formation, Red Bank Sand, Tinton Sand, Hornerstown Sand, Vincentown Formation, Manasquan Formation, Shark River Formation, Piney Point Formation, and the basal clay of the Kirkwood Formation.

Based on records of wells drilled in the Main Post area, water is typically encountered at depths of 2 to 9 feet below ground surface (bgs). According to Jablonski, wells drilled in the Red Bank and Tinton Sands may produce 2 to 25 gallons per minute (gpm). Some well owners have reported acidic water that requires treatment to remove iron.

Due to the proximity of the Atlantic Ocean to Fort Monmouth, shallow groundwater may be tidally influenced and may flow toward creeks and brooks as the tide goes out, and away from creeks and brooks as the tide comes in. However, an abundance of clay lenses and sand deposits were noted in borings installed throughout Fort Monmouth. Therefore the direction of shallow groundwater should be determined on a case by case basis.

Shallow groundwater is locally influenced within the Main Post area by the following factors:

- tidal influence (based on proximity to the Atlantic Ocean, rivers and tributaries)
- topography
- nature of the fill material within the Main Post area
- presence of clay and silt lenses in the natural overburden deposits
- local groundwater recharge areas (e.g., streams, lakes)

Due to the fluvial nature of the overburden deposits (e.g., sand and clay lenses), shallow groundwater flow direction is best determined on a case-by-case basis. This is consistent with lithologies observed in borings installed within the Main Post area, which primarily consisted of fine-to-medium grained sands, with occasional lenses or laminations of gravel silt and/or clay.

The 700 Area is located approximately 50 feet north of Husky Brook, the nearest water body, which flows into Oceanport Creek. Based on the Main Post topography, the groundwater flow in the area of the 700 Area is anticipated to be to the southeast.

1.3 HEALTH AND SAFETY

Work site health and safety hazards were minimized during all decommissioning activities. All areas which posed a vapor hazard were monitored by a qualified individual utilizing an organic vapor analyzer (OVA). The individual ascertained if the area was properly vented to render the area safe, as defined by OSHA. All work areas were properly vented to insure that there were no contaminants present in the breathing zone above permissible exposure limits (PEL's).

1.4 REMOVAL OF UNDERGROUND STORAGE TANK

1.4.1 General Procedures

- All underground utilities were marked out by the respective shops or utility contractor prior to excavation activities.
- All activities were carried out with great regard to safety and health and the safeguarding of the environment.
- All excavated soils were visually examined and screened with an OVA for evidence of contamination. Potentially contaminated soils were identified and logged during closure activities.
- Surface materials (i.e., asphalt, concrete, etc.) were excavated and staged separately from all soil and recycled in accordance with all applicable regulations and laws.
- A certified Subsurface Evaluator was present during all closure activities.

1.4.2 Underground Storage Tank Excavation and Cleaning

During decommissioning activities, surficial soil was removed to expose the UST. The tank was completely emptied of all liquids prior to removal from the ground. Approximately 900 gallons of liquid was pumped out of the UST and transported by Lorco Petroleum Services, Inc. to their NJDEP-approved petroleum recycling and disposal facility located in Elizabeth, New Jersey. Refer to Appendix C for non-hazardous waste manifest (No. NJZ-49683).

After the UST was removed from the excavation, it was staged on polyethylene sheeting, labeled and examined for holes. Holes were observed during the inspection by the Subsurface Evaluator. Soils surrounding the UST were screened visually and with an OVA for evidence of

contamination. Soil staining and an odor of fuel was observed. It was determined that soil excavation would be conducted prior to sampling. DPW personnel were made aware of the field conditions that existed, prompting them to call the NJDEP Spill Hotline, in which Case No. 04-04-14-1304-04 was assigned.

1.5 UNDERGROUND STORAGE TANK TRANSPORTATION AND DISPOSAL

Subsequent to disposal, the UST was purged with air to remove vapors prior to cutting. An access hole was made in the UST to allow for cleaning using squeegees and adsorbents. The tank was then transported by TVS to Recycling Technology Center, Inc., Shafto Rd., Tinton Falls, NJ for disposal in compliance with all applicable regulations and laws. Refer to Appendix C for UST disposal certificate.

The Subsurface Evaluator labeled the UST with the following information:

- site of origin
- NJDEP UST Facility ID number
- date of removal
- size of tank
- previous contents of tank

1.6 MANAGEMENT OF EXCAVATED SOILS

Based on OVA air monitoring and visual observations, approximately 20 cubic yards of potentially contaminated soil was excavated from the area surrounding the UST. All potentially contaminated soil was loaded into a truck and transported to the Main Post ID 27 Soil Staging Area (located behind Bldg.166) prior to ultimate disposal at Soil Remediation of Philadelphia. Soils that did not exhibit signs of contamination were separated during the excavation and used as backfill following removal of the UST.

2.0 REMEDIAL INVESTIGATION ACTIVITIES

2.1 OVERVIEW

The Remedial Investigation was managed and carried out by US Army DPW personnel. All analyses were performed and reported by Fort Monmouth Environmental Testing Laboratory, a NJDEP-certified testing laboratory. All sampling was performed by a NJDEP Certified Subsurface Evaluator according to the methods described in the NJDEP Field Sampling Procedures Manual (1992). Sampling frequency and parameters analyzed complied with the NJDEP document *Technical Requirements for Site Remediation, 7:26E-3.9* (December 17, 2002 and revisions dated February 3, 2003) which was the applicable regulation at the date of the closure. All records of the Remedial Investigation activities are maintained by the Fort Monmouth DPW Environmental Office.

The following Parties participated in Closure and Remedial Investigation Activities.

- Ft. Monmouth Directorate of Public Works-Environmental Division
  Contact Person: Douglas Guenther
  Phone Number: (732) 532-0986

- Subsurface Evaluator: Frank Accorsi
  Employer: TECOM-Vinnell Services, Inc. (TVS)
  Phone Number: (732) 532-2577
  NJDEP License No.: 0010042

- Analytical Laboratory: Fort Monmouth Environmental Testing Laboratory
  Contact Person: Dan Wright
  Phone Number: (732) 532-4359
  NJDEP Laboratory Certification No.: 13461

- Hazardous Waste Hauler: Lorco Petroleum Services, Inc., Elizabeth, NJ
  Contact Person: Dan MacKay
  Phone Number: (908) 820-8800
  US EPA ID No.: NJR000023036

2.2 FIELD SCREENING/MONITORING

Field screening was performed by a NJDEP certified Subsurface Evaluator using an OVA and visual observations to identify potentially contaminated material. Soils were removed from the excavation surrounding UST No. B1 18 until no evidence of contamination remained.

2.3 SOIL SAMPLING

On April 12, 2004, post-excavation soil samples A, B, C, D and Duplicate E were collected from a total of four (4) locations along the sidewalls and the bottom of the UST excavation. Groundwater was present at approximately 11 feet below ground surface (bgs). On April 29, 2004, one (1) post-excavation soil sample (F) was also collected representing additional soil remediation that occurred along the south sidewall of the excavation. Refer to soil sampling location map in Figure 2. All samples were analyzed for TPH. Samples BI18-B and BI18-E exhibited a concentration exceeding 1,000 mg/kg and were analyzed for volatile organic compounds with a forward library search for 15 tentatively identified compounds (VO+ 15).

The site assessment was performed by TVS personnel in accordance with the NJDEP *Technical Requirements for Site Remediation* and the NJDEP *Field Sampling Procedures Manual*. A summary of sampling activities including parameters analyzed is provided on Table 1. The post-excavation soil samples were collected using stainless steel trowels. After collection, the samples were immediately placed on ice in a cooler and delivered to Fort Monmouth Environmental Testing Laboratory for analysis.

3.0 CONCLUSIONS AND RECOMMENDATIONS

3.1 SOIL SAMPLING RESULTS

Post-excavation soil samples were collected from a total of four locations on April 12, 2004 and from one location on April 29, 2004, to evaluate soil conditions following removal of the UST. All samples were analyzed for TPH. The post-excavation soil sample results were compared to the NJDEP health based criterion of 10,000 mg/kg for total organic contaminants (N.J.A.C. 7:26D and revisions dated February 3, 1994). A summary of the analytical results and comparison to the NJDEP soil cleanup criteria is provided on Table 2. The analytical data package, including associated quality control data, is provided in Appendix E.

Post-excavation soil samples collected on April 12, 2004, from the UST remedial excavation contained concentrations of TPH below the NJDEP soil cleanup criteria, with the exception of BI18-B which contained TPH concentrations of 15,094 mg/kg. Soil samples BI18-B and BI18-E (duplicate) were further analyzed for VOA in which all detected compounds were below the NJDEP Residential Direct Contact Soil Cleanup Criteria.

All post-excavation soil samples collected on April 29, 2004 from the expanded UST remedial excavation contained concentrations of contaminants below the NJDEP soil cleanup criteria. Post-excavation sample 700 BI18-F contained TPH concentrations of Not Detected.

3.2 CONCLUSIONS AND RECOMMENDATIONS

The analytical results for all of post-excavation soil samples collected from the UST closure excavation at UST No. B1 18 were below the NJDEP soil cleanup criteria for total organic contaminants and volatile organic compounds.

Based on the post-excavation soil sampling results, soils with TPH concentrations exceeding the NJDEP soil cleanup criteria for total organic contaminants of 10,000 mg/kg have been excavated from the former location of UST No. B1 18.

No further action is proposed in regard to the closure and site assessment of UST No. B1 18 at the 700 Area.

TABLES

TABLE 1

SUMMARY OF LABORATORY ANALYSIS
FT. MONMOUTH, 700 AREA, UST No.B1 18
12, 29, April 2004

SAMPLE ID	LABORATORY SAMPLE ID	LOCATION	SAMPLE MATRIX	ANALYSIS
B1 18-A	4025501	NORTH WALL	SOIL	TPHC
B1 18-B	4025502	SOUTH WALL	SOIL	VOA, TPH
B1 18-C	4025503	EAST WALL	SOIL	TPH
B1 18-D	4025504	WEST WALL	SOIL	TPH
B1 18-E	4025505	DUPLICATE (NORTH WALL)	SOIL	VOA, TPH
TRIP BLANK	4025506	N/A	METHANOL	VOA
B1 18-F	4030701	SOUTH WALL	SOIL	TPH

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons, Method NJDEPOQA-25
VOA = Volatile Organic Analysis, Method EPA 8260

TABLE 2

SUMMARY OF LABORATORY ANALYTICAL RESULTS
FT. MONMOUTH, 700 AREA, UST No.B1 18
19, July, 06, May, 2004

TOTAL PETROLEUM HYDROCARBONS

SAMPLE ID	NJDEP ACTION LEVEL	LOCATION	DEPTH (IN FEET)	RESULT IN mg/kg
B1 18-A	10,000	NORTH WALL	6.0 – 6.5	4,439
B1 18-B	10,000	SOUTH WALL	6.0 – 6.5	15,095
B1 18-C	10,000	EAST WALL	6.0 – 6.5	1,428
B1 18-D	10,000	WEST WALL	6.0 – 6.5	438
B1 18-E	10,000	DUPLICATE (NORTH WALL)	6.0 – 6.5	6,413
B1 18-F	10,000	SOUTH WALL	N/A	ND

ABBREVIATIONS:
mg/kg = Milligrams Per Kilogram = parts per million
ND = Compound Not Detected
NA = Compound Not Analyzed
*= Further Analyzed for Volatiles

TABLE 3

SUMMARY OF LABORATORY ANALYTICAL RESULTS

FT. MONMOUTH, 700 AREA, UST No. B1 18
23, APRIL 2004

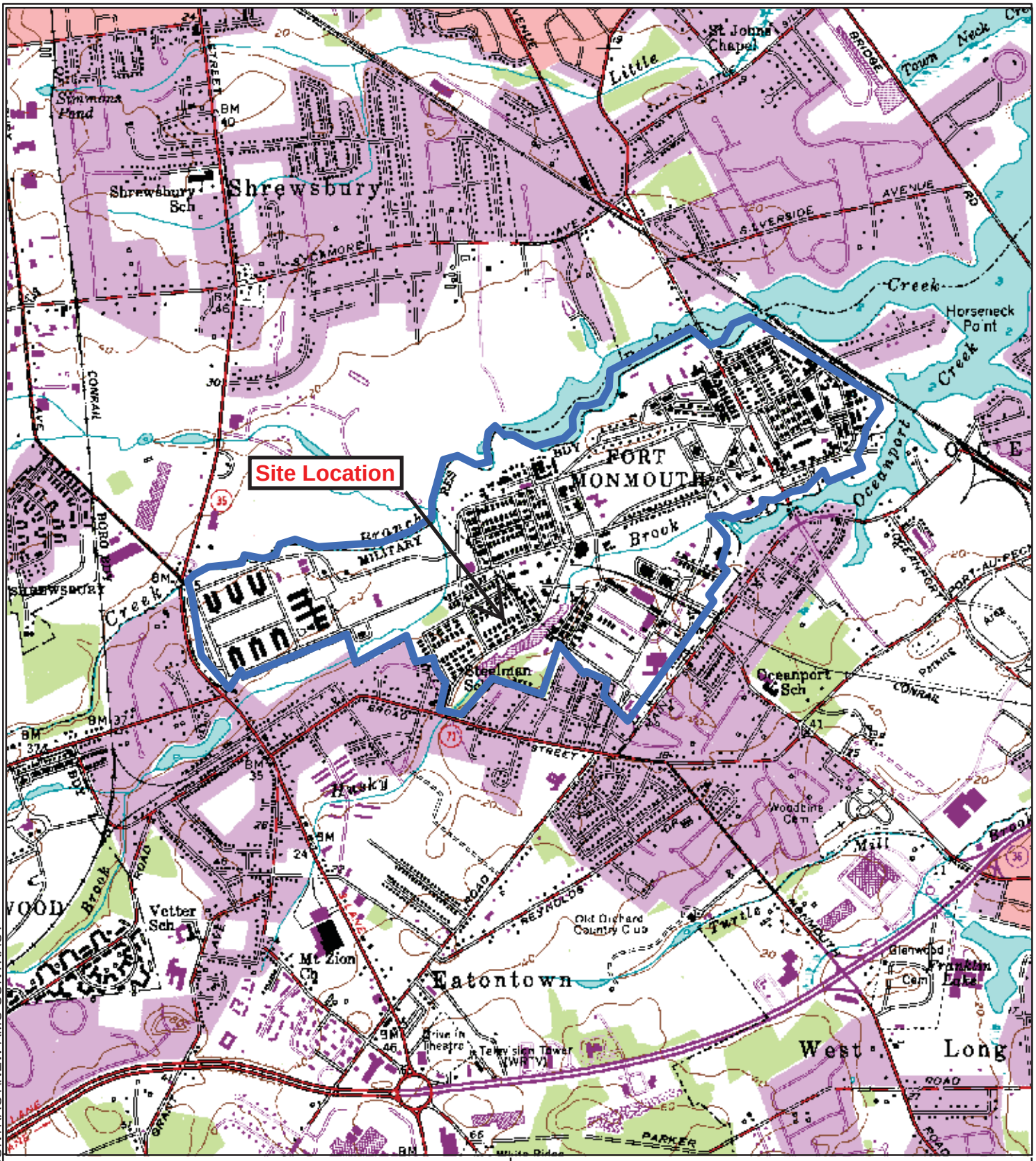
VOLATILE ORGANIC COMPOUNDS

SAMPLE ID	SAMPLE DATE	Benzene	Toluene	Ethylbenzene	Xylenes (total)
UNITS		mg/kg	mg/kg	mg/kg	mg/kg
B1 18-B	12 April 2004	ND	ND	ND	ND
B1 18-E	12 April 2004	ND	ND	ND	ND
TRIP BLANK	12 April 2004	ND	ND	ND	ND
NJDEP Criteria	Residential	3	1,000	1,000	410

ABBREVIATIONS:
mg/kg = Milligrams Per Kilogram = parts per million
ND = Compound Not Detected
NA = Compound Not Analyzed

Notes:
Gray shading indicates exceedance of NJDEP
Residential Direct Contact Soil Cleanup Criteria

FIGURES



2,000 1,000 0 2,000 Feet

SOURCE: USGS DIGITAL TOPOQUAD
LONGBRANCH, NJ
1954 - PHOTOREVISED 1981

LEGEND

FTMM Boundary (approx.)

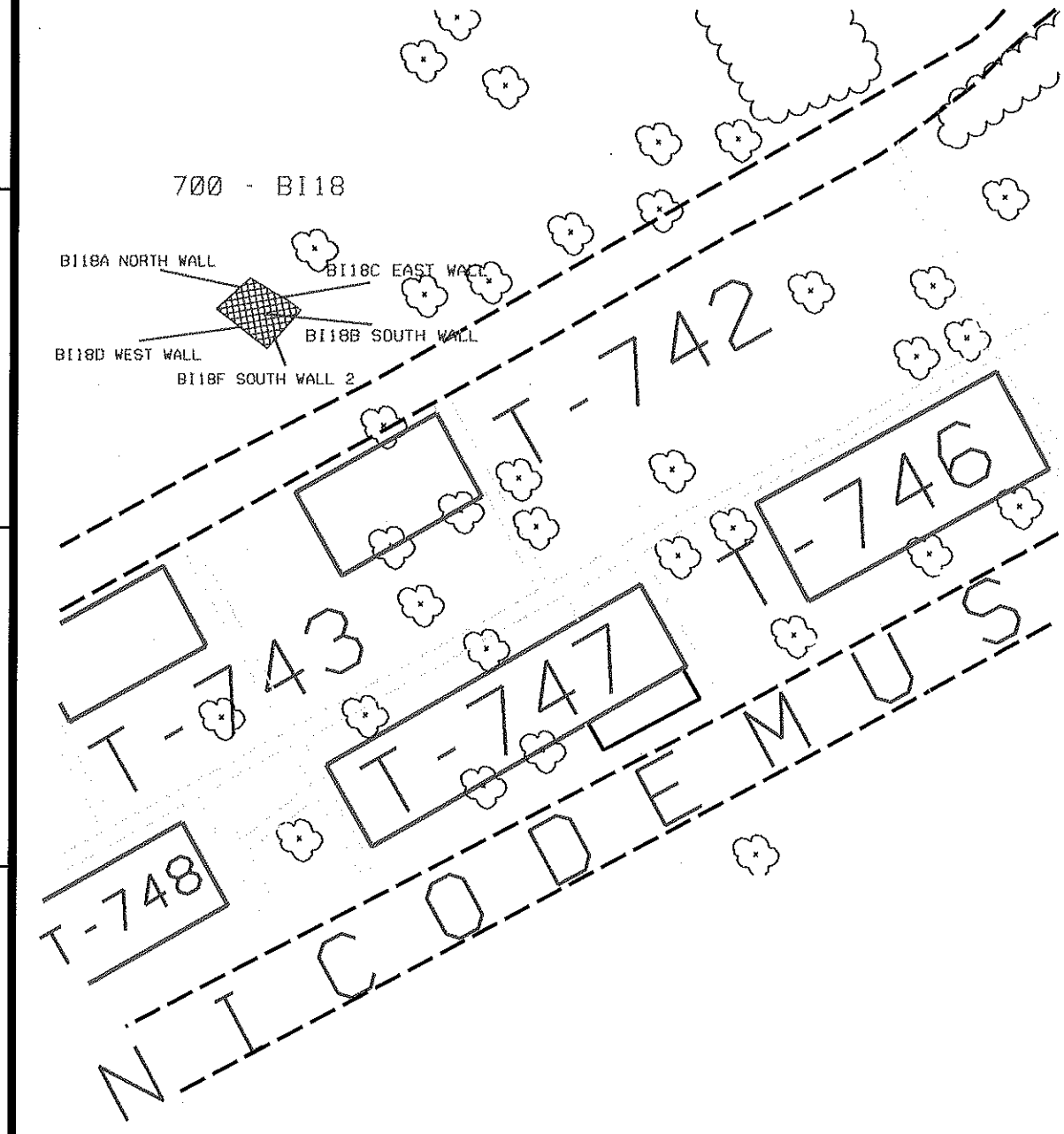
FIGURE 1

U.S. Army Installation Fort Monmouth Location Map

Fort Monmouth, Eatontown, New Jersey

DATE:	10/04/05
DESIGNED BY:	JR\KJP
SCALE:	AS SHOWN
JOB NO.:	S3152.03
DWG. NO.:	Figure 1

S:\PROJECTS\FEDERAL\AMC CONTRACT\NEW AMC CONTRACT



SOIL SAMPLE

EXCAVATION

N

FIGURE 2

SOIL SAMPLE LOCATION MAP

FORT MONMOUTH ARMY BASE
MONMOUTH COUNTY, NJ

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

SCALE: 1 INCH = 53 FEET | DATE: SEPTEMBER 2004

...\FA700AreaUSTBI18.dgn 09/30/2004 02:45:13 PM

US ARMY - FT. MONMOUTH, NJ

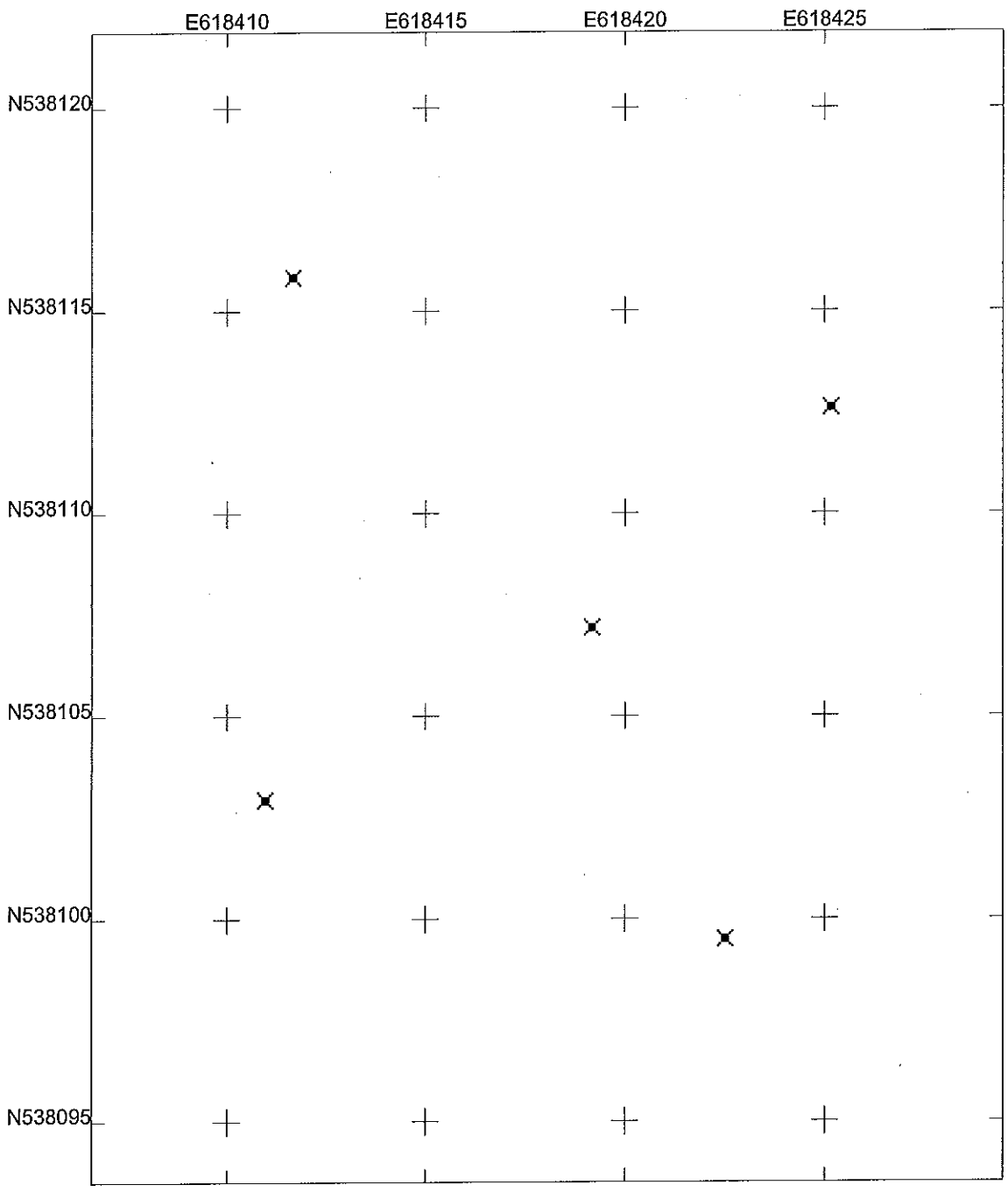
700 AREA-UST #700-BI18
SOIL SAMPLE GPS POSITIONS & COORDINATES

US STATE PLANE 1983, NJ (NY EAST) 2900, NAD 1983 (CONUS)

(IN US SURVEY FEET)

SAMPLE POINTS

POSITION/DESCRIPTION	Y COORDINATE (NORTHING)	X COORDINATE (EASTING)
BI18A NORTH WALL	538115.852	618411.632
BI18B SOUTH WALL	538107.206	618419.152
BI18C EAST WALL	538112.623	618425.142
BI18D WEST WALL	538102.952	618410.932
BI18F SOUTH WALL2	538099.521	618422.486



Ft. Monmouth - Main Post - 700 Area
UST # 700-BI18 Soil Sample GPS Map

US State Plane 1983
New Jersey 2900
NAD 1983 (Conus)

N

Scale 1:50.0
0 0.001
Miles

700BI18.ssf
7/12/2004
GPS Pathfinder
Trimble

APPENDIX A

CERTIFICATIONS

Not Available

APPENDIX B

WASTE MANIFEST

Not Available

APPENDIX C

UST DISPOSAL CERTIFICATE

Not Available

APPENDIX D

PHOTO DOCUMENTATION

Not Available

APPENDIX E

SOIL ANALYTICAL DATA PACKAGE

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732) 532-4359 FAX: (732) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461, NYSDOH #11699



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 700 AREA

700 Area/UST # BI 18

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
BI 18-A North Wall	4025501	Soil	12-April-04 09:50	04/12/04
BI 18-B South Wall	4025502	Soil	12-April-04 11:00	04/12/04
BI 18-C East Wall	4025503	Soil	12-April-04 10:40	04/12/04
BI 18-D West Wall	4025504	Soil	12-April-04 10:20	04/12/04
BI 18-E Duplicate	4025505	Soil	12-April-04 09:50	04/12/04
Trip Blank	4025506	Methanol	12-April-04	04/12/04

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, TPHC, % SOLIDS

4-30-04

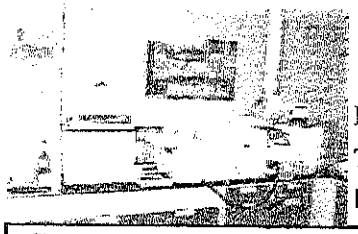
Daniel Wright/Date
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

Table of Contents

Section	Page No.
Chain of Custody	1-3
Method Summary	4-5
Laboratory Chronicle	6-7
Conformance/Non-Conformance Summary	8-11
Volatile Organics	12
Qualifier Codes	13
Results Summary	14-25
Calibration Summary	26-28
Method Blank Summary	29
Surrogate Results Summary	30
MS/MSD Results Summary	31
Internal Standard Summary	32
Raw Sample Data	33-40
Total Petroleum Hydrocarbons	41
Result Summary	42
Calibration Summary	43-49
Surrogate Results Summary	50
MS/MSD Results Summary	51-52
Raw Sample Data	53-66
Laboratory Deliverable Checklist	67
Laboratory Authentication Statement	68

CHAIN OF CUSTODY



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: DAVE GUENTHER
Phone #: X20986
( )DERA ( )OMA ( )Other:_____

Project No: 04-24929
Location: 700 AREA
UST # BI18

Samplers Name / Company:

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	TPH	VOA +15 *					DEPTH (ft)	VOA #	Comments: Remarks / Preservation Method
40255 01	BI18-A, NORTH WALL	4/20/4	0950	SOIL	2	X	X					6-6.5		ICE
02	BI18-B, SOUTH WALL		1100			X	X					6-6.5		
03	BI18-C, EAST WALL		1040			X	X					6-6.5		
04	BI18-D, WEST WALL		1020			X	X					6-6.5		
05	BI18-E, DUPLICATE		0950			X	X					6-6.5		
06	TRIP BLANK		—	AQ.	1		X					—		

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Frank Amoni	4-20-4 1355	J. Ellis			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (X)Reduced, (_)Standard, (_)Screen / non-certified, (_)EDD
Turnaround time: (_)Standard 3 wks, (X)~~Rush~~ 1 WK Days, (_)ASAP Verbal ____Hrs.

Remarks: * VOA +15 ON 25% OF 1,000 PPM TPH, ON HIGHEST, MINI ONE

print legibly

Coc8/7/02

Change of Chain of Custody

Lab Project ID#: 402555 Site/Project Name: 700 AREA

Date Received: 4/12 Date of Change: 4/28

Requested by: *print* _____ Sign: _____

Turnaround Time: Standard

1. Were the correct containers and/or preservatives used for the tests indicated? Yes No
2. Was a sufficient amount of sample sent for the tests indicated? Yes No
3. Are samples Within Holding time for new analysis? Yes No
4. Was the change documented in the sample receipt log book? Yes No

Received by: *print* _____ Sign: _____

Sample ID#	New Analysis		Sample ID#	New Analysis
402550L	VOA+			
05	"			
06	"			

Comments: _____

METHOD SUMMARY

Method Summary

EPA SW-846 Method 8260
Gas Chromatographic Determination of Volatiles in Methanol

A 10-gram volume of soil is combined with 25-ml of Methanol and surrogates in the field. Internal standards are added and the sample is placed on a purge and trap concentrator. The sample as purged and desorbed into a GC/MS system. Volatiles are identified and quantitated. The final concentration is calculated using soil weight, percent moisture and concentration.

NJDEP Method OQA-QAM-025 10/97
Gas Chromatographic Determination of Total Petroleum Hydrocarbons in Soil

Fifteen grams (15g) of soil is added to a 125-ml acid cleaned and solvent rinsed capped Erlenmeyer flask. 15g anhydrous Sodium Sulfate is added to dry the sample. Surrogate standard spiking solution is then added to the flask.

Twenty-five ml of Methylene Chloride is added to the flask and it is secured on an orbital shaker table. The agitation rate is set to 400 rpm and the sample is shaken for 30 minutes. The flask is removed from the table and the particulate matter is allowed to settle. The extract is transferred to a Teflon capped vial. A second 25-ml of Methylene Chloride is added to the flask and shaken for an additional 30 minutes. The flask is again removed and allowed to settle. The extracts are combined in the vial then transferred to a 1-ml autosampler vial.

The extract is then injected directly into a GC-FID for analysis. The sample is analyzed for Petroleum Hydrocarbons covering a range of C8-C42, including Pristane and Phytane. Total Petroleum Hydrocarbon concentration is determined by integrating between 5 minutes and 22 minutes. The baseline is established by starting the integration after the end of the solvent peak and stopping after the last peak. The final concentration of Total Petroleum Hydrocarbons is calculated using percent moisture, sample weight and concentration.

LABORATORY CHRONICLE

Laboratory Chronicle

Lab ID: 40255

Site: 700 Area
UST # BI 18

	Date	Hold Time
Date Sampled	04/12/04	NA
Receipt/Refrigeration	04/12/04	NA
Extraction		
1. TPHC	04/15/04	14 days
Analyses		
1. VOA	04/23/04	14 days
2. TPHC	04/19/04	40 days

CONFORMANCE/ NON-CONFORMANCE SUMMARY

GC/MS ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT

Indicate Yes, No, N/A

1. Chromatograms labeled/Compounds identified (Field samples and method blanks) — yes

2. Retention times for chromatograms provided — yes

3. GC/MS Tune Specifications

   a. BFB Meet Criteria — yes
   b. DFTPP Meet Criteria — N/A

4. GC/MS Tuning Frequency – Performed every 24 hours for 600 series and 12 hours for 8000 series — yes

5. GC/MS Calibration – Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series — yes

6. GC/MS Calibration requirements

   a. Calibration Check Compounds Meet Criteria — yes
   b. System Performance Check Compounds Meet Criteria — yes

7. Blank Contamination – If yes, List compounds and concentrations in each blank: — yes

   a. VOA Fraction Acetone 290 ppb
   b. B/N Fraction N/A
   c. Acid Fraction N/A

8. Surrogate Recoveries Meet Criteria — yes

   If not met, list those compounds and their recoveries, which fall outside the acceptable range:

   a. VOA Fraction
   b. B/N Fraction N/A
   c. Acid Fraction N/A

   If not met, were the calculations checked and the results qualified as "estimated"?

9. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria (If not met, list those compounds and their recoveries, which fall outside the acceptable range) — NO

   a. VOA Fraction 1,1-DCE RPD 35%
   b. B/N Fraction N/A
   c. Acid Fraction N/A

GC/MS ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT (cont.)

Indicate
Yes, No, N/A

10. Internal Standard Area/Retention Time Shift Meet Criteria — Yes
(If not met, list those compounds, which fall outside the acceptable range)

a. VOA Fraction _____
b. B/N Fraction NA
c. Acid Fraction NA

11. Extraction Holding Time Met — NA

If not met, list the number of days exceeded for each sample: _____

12. Analysis Holding Time Met — Yes

If not met, list the number of days exceeded for each sample: _____

Additional Comments:

Laboratory Manager: _____ Date: 4-30-021

TPHC CONFORMANCE/NON-CONFORMANCE SUMMARY REPORT

		Indicate Yes, No, N/A
1.	Method Detection Limits Provided	YES
2.	Method Blank Contamination – If yes, list the sample and the corresponding concentrations in each blank	NO
3.	Matrix Spike Results Summary Meet Criteria (If not met, list the sample and corresponding recovery which falls outside the acceptable range)	YES
4.	Duplicate Results Summary Meet Criteria	YES
5.	IR Spectra submitted for standards, blanks and samples	NA
6.	Chromatograms submitted for standards, blanks and samples if GC fingerprinting was conducted	YES
7.	Analysis holding time met (If not met, list number of days exceeded for each sample)	YES

Additional comments: _____

Laboratory Manager: _____ Date: 4-30-04

VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:
(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.
(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

MB 23April04

Lab Name: FMETL NJDEP#: 13461

Project: 04-24929 Case No.: 40255 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB 23April04

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB016269.D

Level: (low/med) MED Date Received: 4/12/2004

% Moisture: not dec. 0 Date Analyzed: 4/23/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 125 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	700	U
107131	Acrylonitrile	700	U
75650	tert-Butyl alcohol	1300	U
1634044	Methyl-tert-Butyl ether	300	U
108203	Di-isopropyl ether	200	U
75718	Dichlorodifluoromethane	400	U
74-87-3	Chloromethane	100	U
75-01-4	Vinyl Chloride	300	U
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	300	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	100	U
67-64-1	Acetone	290	
75-15-0	Carbon Disulfide	100	U
75-09-2	Methylene Chloride	200	U
156-60-5	trans-1,2-Dichloroethene	200	U
75-34-3	1,1-Dichloroethane	100	U
108-05-4	Vinyl Acetate	300	U
78-93-3	2-Butanone	300	U
156-59-2	cis-1,2-Dichloroethene	100	U
67-66-3	Chloroform	100	U
71-55-6	1,1,1-Trichloroethane	100	U
56-23-5	Carbon Tetrachloride	200	U
71-43-2	Benzene	100	U
107-06-2	1,2-Dichloroethane	200	U
79-01-6	Trichloroethene	100	U
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
110-75-8	2-Chloroethyl vinyl ether	200	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-10-1	4-Methyl-2-Pentanone	200	U
108-88-3	Toluene	100	U
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	100	U
591-78-6	2-Hexanone	200	U
124-48-1	Dibromochloromethane	200	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	200	U

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

MB 23April04

Lab Name: FMETL NJDEP#: 13461

Project: 04-24929 Case No.: 40255 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB 23April04

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB016269.D

Level: (low/med) MED Date Received: 4/12/2004

% Moisture: not dec. 0 Date Analyzed: 4/23/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 125 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	300	U
95-47-6	o-Xylene	200	U
100-42-5	Styrene	200	U
75-25-2	Bromoform	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
541-73-1	1,3-Dichlorobenzene	300	U
106-46-7	1,4-Dichlorobenzene	300	U
95-50-1	1,2-Dichlorobenzene	300	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 23April04**

Lab Name: FMETL NJDEP#: 13461

Project: 04-24929 Case No.: 40255 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB 23April04

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB016269.D

Level: (low/med) MED Date Received: 4/12/2004

% Moisture: not dec. 0 Date Analyzed: 4/23/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 125 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

BI18-B

Lab Name: FMETL NJDEP#: 13461

Project: 04-24929 Case No.: 40255 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4025502

Sample wt/vol: 10.9 (g/ml) G Lab File ID: VB016273.D

Level: (low/med) MED Date Received: 4/12/2004

% Moisture: not dec. 23.14 Date Analyzed: 4/23/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 125 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	830	U
107131	Acrylonitrile	830	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	360	U
108203	Di-isopropyl ether	240	U
75718	Dichlorodifluoromethane	480	U
74-87-3	Chloromethane	120	U
75-01-4	Vinyl Chloride	360	U
74-83-9	Bromomethane	240	U
75-00-3	Chloroethane	360	U
75-69-4	Trichlorofluoromethane	240	U
75-35-4	1,1-Dichloroethene	120	U
67-64-1	Acetone	1100	B
75-15-0	Carbon Disulfide	120	U
75-09-2	Methylene Chloride	240	U
156-60-5	trans-1,2-Dichloroethene	240	U
75-34-3	1,1-Dichloroethane	120	U
108-05-4	Vinyl Acetate	360	U
78-93-3	2-Butanone	360	U
156-59-2	cis-1,2-Dichloroethene	120	U
67-66-3	Chloroform	120	U
71-55-6	1,1,1-Trichloroethane	120	U
56-23-5	Carbon Tetrachloride	240	U
71-43-2	Benzene	120	U
107-06-2	1,2-Dichloroethane	240	U
79-01-6	Trichloroethene	120	U
78-87-5	1,2-Dichloropropane	120	U
75-27-4	Bromodichloromethane	120	U
110-75-8	2-Chloroethyl vinyl ether	240	U
10061-01-5	cis-1,3-Dichloropropene	120	U
108-10-1	4-Methyl-2-Pentanone	240	U
108-88-3	Toluene	120	U
10061-02-6	trans-1,3-Dichloropropene	240	U
79-00-5	1,1,2-Trichloroethane	240	U
127-18-4	Tetrachloroethene	120	U
591-78-6	2-Hexanone	240	U
124-48-1	Dibromochloromethane	240	U
108-90-7	Chlorobenzene	120	U
100-41-4	Ethylbenzene	240	U

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

BI18-B

Lab Name: FMETL NJDEP#: 13461

Project: 04-24929 Case No.: 40255 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4025502

Sample wt/vol: 10.9 (g/ml) G Lab File ID: VB016273.D

Level: (low/med) MED Date Received: 4/12/2004

% Moisture: not dec. 23.14 Date Analyzed: 4/23/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 125 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	360	U
95-47-6	o-Xylene	240	U
100-42-5	Styrene	240	U
75-25-2	Bromoform	240	U
79-34-5	1,1,2,2-Tetrachloroethane	240	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **BI18-B**

Lab Name: FMETL NJDEP#: 13461

Project: 04-24929 Case No.: 40255 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4025502

Sample wt/vol: 10.9 (g/ml) G Lab File ID: VB016273.D

Level: (low/med) MED Date Received: 4/12/2004

% Moisture: not dec. 23.14 Date Analyzed: 4/23/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 125 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 10

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 003728-55-0	1-Ethyl-3-methylcyclohexane (c,t)	26.24	4300	JN
2. 001678-92-8	Cyclohexane, propyl-	26.80	4200	JN
3. 001678-93-9	Cyclohexane, butyl-	29.37	4200	JN
4. 000091-17-8	Naphthalene, decahydro-	30.37	11000	JN
5. 000496-11-7	Indane	30.52	12000	JN
6. 001587-04-8	Benzene, 1-methyl-2-(2-propenyl)	31.50	5200	JN
7.	unknown	31.55	7500	J
8.	unknown	31.61	12000	J
9.	unknown	31.68	9400	J
10.	unknown	32.03	9800	J

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

BI18-E

Lab Name: FMETL NJDEP#: 13461

Project: 04-24929 Case No.: 40255 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4025505

Sample wt/vol: 11.8 (g/ml) G Lab File ID: VB016274.D

Level: (low/med) MED Date Received: 4/12/2004

% Moisture: not dec. 18.23 Date Analyzed: 4/23/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 125 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	720	U
107131	Acrylonitrile	720	U
75650	tert-Butyl alcohol	1300	U
1634044	Methyl-tert-Butyl ether	310	U
108203	Di-isopropyl ether	210	U
75718	Dichlorodifluoromethane	410	U
74-87-3	Chloromethane	100	U
75-01-4	Vinyl Chloride	310	U
74-83-9	Bromomethane	210	U
75-00-3	Chloroethane	310	U
75-69-4	Trichlorofluoromethane	210	U
75-35-4	1,1-Dichloroethene	100	U
67-64-1	Acetone	990	B
75-15-0	Carbon Disulfide	100	U
75-09-2	Methylene Chloride	180	J
156-60-5	trans-1,2-Dichloroethene	210	U
75-34-3	1,1-Dichloroethane	100	U
108-05-4	Vinyl Acetate	310	U
78-93-3	2-Butanone	310	U
156-59-2	cis-1,2-Dichloroethene	100	U
67-66-3	Chloroform	100	U
71-55-6	1,1,1-Trichloroethane	100	U
56-23-5	Carbon Tetrachloride	210	U
71-43-2	Benzene	100	U
107-06-2	1,2-Dichloroethane	210	U
79-01-6	Trichloroethene	100	U
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
110-75-8	2-Chloroethyl vinyl ether	210	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-10-1	4-Methyl-2-Pentanone	210	U
108-88-3	Toluene	100	U
10061-02-6	trans-1,3-Dichloropropene	210	U
79-00-5	1,1,2-Trichloroethane	210	U
127-18-4	Tetrachloroethene	100	U
591-78-6	2-Hexanone	210	U
124-48-1	Dibromochloromethane	210	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	210	U

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

BI18-E

Lab Name: FMETL NJDEP#: 13461

Project: 04-24929 Case No.: 40255 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4025505

Sample wt/vol: 11.8 (g/ml) G Lab File ID: VB016274.D

Level: (low/med) MED Date Received: 4/12/2004

% Moisture: not dec. 18.23 Date Analyzed: 4/23/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 125 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	310	U
95-47-6	o-Xylene	210	U
100-42-5	Styrene	210	U
75-25-2	Bromoform	210	U
79-34-5	1,1,2,2-Tetrachloroethane	210	U
541-73-1	1,3-Dichlorobenzene	310	U
106-46-7	1,4-Dichlorobenzene	310	U
95-50-1	1,2-Dichlorobenzene	310	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **BI18-E**

Lab Name: FMETL NJDEP#: 13461

Project: 04-24929 Case No.: 40255 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4025505

Sample wt/vol: 11.8 (g/ml) G Lab File ID: VB016274.D

Level: (low/med) MED Date Received: 4/12/2004

% Moisture: not dec. 18.23 Date Analyzed: 4/23/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 125 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 10

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	21.12	5800	J
2.	unknown	24.56	5400	J
3.	unknown hydrocarbon	29.37	5900	J
4. 000493-02-7	Naphthalene, decahydro-, trans-	30.37	6500	JN
5.	unknown	30.88	4700	J
6. 000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	31.33	4700	JN
7. 002049-95-8	Benzene, (1,1-dimethylpropyl)-	31.55	5100	JN
8. 002958-76-1	Naphthalene, decahydro-2-methyl	31.62	7800	JN
9.	unknown	31.67	5100	J
10.	unknown	32.03	5900	J

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank

Lab Name: FMETL NJDEP#: 13461

Project: 04-24929 Case No.: 40255 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4025506

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB016270.D

Level: (low/med) MED Date Received: 4/12/2004

% Moisture: not dec. 0 Date Analyzed: 4/23/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 125 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	700	U
107131	Acrylonitrile	700	U
75650	tert-Butyl alcohol	1300	U
1634044	Methyl-tert-Butyl ether	300	U
108203	Di-isopropyl ether	200	U
75718	Dichlorodifluoromethane	400	U
74-87-3	Chloromethane	100	U
75-01-4	Vinyl Chloride	300	U
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	300	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	100	U
67-64-1	Acetone	950	B
75-15-0	Carbon Disulfide	100	U
75-09-2	Methylene Chloride	140	J
156-60-5	trans-1,2-Dichloroethene	200	U
75-34-3	1,1-Dichloroethane	100	U
108-05-4	Vinyl Acetate	300	U
78-93-3	2-Butanone	300	U
156-59-2	cis-1,2-Dichloroethene	100	U
67-66-3	Chloroform	100	U
71-55-6	1,1,1-Trichloroethane	100	U
56-23-5	Carbon Tetrachloride	200	U
71-43-2	Benzene	100	U
107-06-2	1,2-Dichloroethane	200	U
79-01-6	Trichloroethene	100	U
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
110-75-8	2-Chloroethyl vinyl ether	200	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-10-1	4-Methyl-2-Pentanone	200	U
108-88-3	Toluene	100	U
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	100	U
591-78-6	2-Hexanone	200	U
124-48-1	Dibromochloromethane	200	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	200	U

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank

Lab Name: FMETL NJDEP#: 13461

Project: 04-24929 Case No.: 40255 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4025506

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB016270.D

Level: (low/med) MED Date Received: 4/12/2004

% Moisture: not dec. 0 Date Analyzed: 4/23/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 125 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	300	U
95-47-6	o-Xylene	200	U
100-42-5	Styrene	200	U
75-25-2	Bromoform	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
541-73-1	1,3-Dichlorobenzene	300	U
106-46-7	1,4-Dichlorobenzene	300	U
95-50-1	1,2-Dichlorobenzene	300	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: 04-24929 Case No.: 40255 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4025506

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB016270.D

Level: (low/med) MED Date Received: 4/12/2004

% Moisture: not dec. 0 Date Analyzed: 4/23/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 125 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

TPHC

Report of Analysis
U.S.Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army DPW. SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	**Project # :**	40255
		Location :	700 Area
		UST Reg. # :	

Analysis :	OQA-QAM-025	**Date Received :**	12-Apr-04
Matrix :	Soil	**Date Extracted :**	15-Apr-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Shake
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	19-Apr-04
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
4025501	BI18-A	1.00	15.03	80.62	187	4438.99
4025502	BI18-B	5.00	15.06	76.86	196	15094.66
4025503	BI18-C	1.00	15.26	74.82	198	1427.68
4025504	BI18-D	1.00	15.00	70.99	213	437.94
4025505	BI18-E	1.00	15.03	81.77	184	6413.20
METHOD BLANK	MB-041504-01	1.00	15.00	100.00	151	ND

ND = Not Detected

MDL = Method Detection Limit

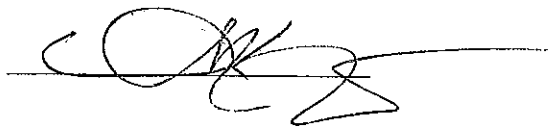
LABORATORY DELIVERABLES CHECKLIST AND NON-CONFORMANCE SUMMARY

THIS FORM MUST BE COMPLETED BY THE LABORATORY OR ENVIRONMENTAL CONSULTANT AND ACCOMPANY ALL DATA SUBMISSIONS

The following Laboratory Deliverables Checklist and Non-Conformance Summary shall be included in the data submission. All deviations from the accepted methodology and procedures, of performance values outside acceptable ranges shall be summarized in the Non-Conformance Summary. The Technical Requirements for Site Remediation, effective June 7, 1993, provides further details. The document shall be bound and paginated, contain a table of contents, and all pages shall be legible. Incomplete data packages will be returned or held without review until the data package is completed.

It is recommended that the analytical results summary sheets listing all targeted and non-targeted compounds with the method detection limits, practical quantitation limits, and the laboratory and/or sample numbers be included in one section of the data package and in the main body of the report.

1.	Cover Page, Title Page listing Lab Certification #, facility name and address, & date of report submitted.	✓
2.	Table of Contents submitted.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds submitted.	✓
4.	Document paginated and legible.	✓
5.	Chain of Custody submitted.	✓
6.	Samples submitted to lab within 48 hours of sample collection.	✓
7.	Methodology Summary submitted.	—
8.	Laboratory Chronicle and Holding Time Check submitted.	—
9.	Results submitted on a dry weight basis.	✓
10.	Method Detection Limits submitted.	✓
11.	Lab certified by NJDEP for parameters of appropriate category of parameters or a member of the USEPA CLP.	✓

Laboratory Manager or Environmental Consultant's Signature 

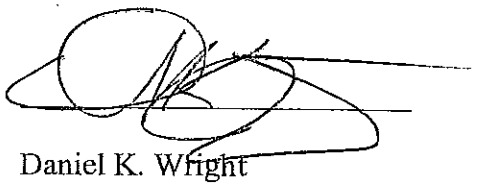
Date: 4/30/04

Laboratory Certification # 13461

*Refer to NJAC 7:26E – Appendix A, Section IV – Reduced Data Deliverables – Non-USEPA/CLP Methods for further guidance.

Laboratory Authentication Statement

I certify under penalty of law, where applicable, that this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18 and 40 CFR Part 136 for Water and Wastewater Analyses and SW-846 for Solid Waste Analysis. I have personally examined the information contained in this report and to the best of my knowledge, I believe that the submitted information is true, accurate, complete and meets the above referenced standards where applicable. I am aware that there are significant penalties for purposefully submitting falsified information, including the possibility of a fine and imprisonment.



Daniel K. Wright
Laboratory Manager

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732) 532-4359 FAX: (732) 532-6263

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

CERTIFICATIONS: NJDEP #13461, NYSDOH #11699



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 700 AREA

700 Area/UST # BI 18

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
BI 18-F South Wall	4030701	Soil	29-April-04 10:13	04/29/04
Trip Blank	4030702	Methanol	29-April-04	04/29/04

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
TPHC, % SOLIDS

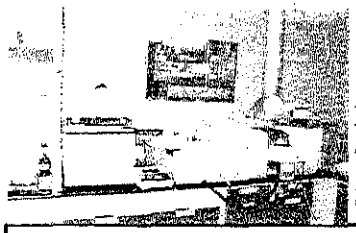
5-19-04
Daniel Wright/Date
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

Table of Contents

Section	Pages
Chain of Custody	1-2
Method Summary	3-4
Laboratory Chronicle	5-6
Conformance/Non-Conformance	7-8
TPHC	9
Results Summary	10
Calibration Summary	11-17
Surrogate Results Summary	18
MS/MSD Results Summary	19
LCS Summary	20
Raw Sample Data	21-24
Laboratory Deliverables Checklist	25
Laboratory Authentication Statement	26

CHAIN OF CUSTODY



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: DOUG GUENTHER | Project No: | Phone #: X20986 | Location: 700 AREA UST # BI 18 | ( )DERA ( )OMA (X)Other: _____ | Samplers Name / Company: FRANK ACCORSI - TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	TPH	VOA15							Comments: Remarks / Preservation Method
40307 01	BI-18 F, SOUTH WALL	4-29-04	1013	SOIL	2	X	X							ICE
02	TRIP BLANK	"	—	AQ.	1		X							

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Frank Accorsi	4-29-04/1702				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (X)Reduced, (_)Standard, (_)Screen / non-certified, (_)EDD
Turnaround time: (_)Standard 3 wks, (X)Rush 1 WK Days, (_)ASAP Verbal ____Hrs.

Remarks: VOA15 IF TPH > 5000 ppm

000002

print legibly

Coc8/7/02

METHOD SUMMARY

Method Summary

NJDEP Method OQA-QAM-025 10/97
Gas Chromatographic Determination of Total Petroleum Hydrocarbons in Soil

Fifteen grams (15g) of soil is added to a 125-ml acid cleaned and solvent rinsed capped Erlenmeyer flask. 15g anhydrous Sodium Sulfate is added to dry the sample. Surrogate standard spiking solution is then added to the flask.

Twenty-five ml of Methylene Chloride is added to the flask and it is secured on an orbital shaker table. The agitation rate is set to 400 rpm and the sample is shaken for 30 minutes. The flask is removed from the table and the particulate matter is allowed to settle. The extract is transferred to a Teflon capped vial. A second 25-ml of Methylene Chloride is added to the flask and shaken for an additional 30 minutes. The flask is again removed and allowed to settle. The extracts are combined in the vial then transferred to a 1-ml auto-sampler vial.

The extract is then injected directly into a GC-FID for analysis. The sample is analyzed for Petroleum Hydrocarbons covering a range of C8-C42, including Pristane and Phytane. Total Petroleum Hydrocarbon concentration is determined by integrating between 5 minutes and 22 minutes. The baseline is established by starting the integration after the end of the solvent peak and stopping after the last peak. The final concentration of Total Petroleum Hydrocarbons is calculated using percent moisture, sample weight and concentration.

LABORATORY CHRONICLE

Laboratory Chronicle

Lab ID: 40307

Site: 700 Area
UST # BI 18

	Date	Hold Time
Date Sampled	04/29/04	NA
Receipt/Refrigeration	04/29/04	NA
Extraction		
1. TPHC	05/05/04	7 days
Analyses		
1. TPHC	05/06/04	40 days

CONFORMANCE/ NON-CONFORMANCE SUMMARY

TPHC CONFORMANCE/NON–CONFORMANCE SUMMARY REPORT

		Indicate Yes, No, N/A
1.	Method Detection Limits Provided	yes
2.	Method Blank Contamination – If yes, list the sample and the corresponding concentrations in each blank	NO
3.	Matrix Spike Results Summary Meet Criteria (If not met, list the sample and corresponding recovery which falls outside the acceptable range)	yes
4.	Duplicate Results Summary Meet Criteria	yes
5.	IR Spectra submitted for standards, blanks and samples	NA
6.	Chromatograms submitted for standards, blanks and samples if GC fingerprinting was conducted	yes
7.	Analysis holding time met (If not met, list number of days exceeded for each sample)	yes

Additional comments: _____

Laboratory Manager: _____ Date: 5-19-04

TPHC

Report of Analysis
U.S.Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army DPW. SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	**Project # :**	40307
		Location :	700 Area
		UST Reg. # :	

Analysis :	OQA-QAM-025	**Date Received :**	29-Apr-04
Matrix :	Soil	**Date Extracted :**	05-May-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Shake
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	06-May-04
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
4030701	BI-18F	1.00	15.11	78.04	192	ND
METHOD BLANK	MB-050504-01	1.00	15.00	100.00	151	ND

ND = Not Detected

MDL = Method Detection Limit

LABORATORY DELIVERABLES CHECKLIST AND NON-CONFORMANCE SUMMARY

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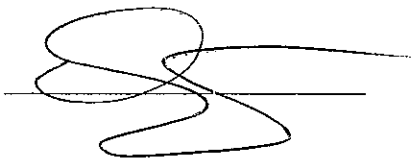
1.	Cover Page, Title Page listing Lab Certification #, facility name and address, & date of report submitted.	✓
2.	Table of Contents submitted.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds submitted.	✓
4.	Document paginated and legible.	✓
5.	Chain of Custody submitted.	✓
6.	Samples submitted to lab within 48 hours of sample collection.	✓
7.	Methodology Summary submitted.	✓
8.	Laboratory Chronicle and Holding Time Check submitted.	✓
9.	Results submitted on a dry weight basis.	✓
10.	Method Detection Limits submitted.	✓
11.	Lab certified by NJDEP for parameters of appropriate category of parameters or a member of the USEPA CLP.	✓

Laboratory Manager or Environmental Consultant's Signature 

Date: 5/19/04

Laboratory Certification # 13461

*Refer to NJAC 7:26E – Appendix A, Section IV – Reduced Data Deliverables – Non-USEPA/CLP Methods for further guidance.

Laboratory Authentication Statement

I certify under penalty of law, where applicable, that this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18 and 40 CFR Part 136 for Water and Wastewater Analyses and SW-846 for Solid Waste Analysis. I have personally examined the information contained in this report and to the best of my knowledge, I believe that the submitted information is true, accurate, complete and meets the above referenced standards where applicable. I am aware that there are significant penalties for purposefully submitting falsified information, including the possibility of a fine and imprisonment.



Daniel K. Wright
Laboratory Manager

ATTACHMENT K

UST 746B File Review and Analyses

PARSONS

UNDERGROUND STORAGE TANK FILE REVIEW
FORT MONMOUTH BRAC 05 FACILITY
OCEANPORT, NEW JERSEY

Date: *April 1, 2015* Review Performed By: *Kent Friesen, Parsons*

Site ID: ***746B*** Registration ID: *None*

Recommended Status of Site: ***Change to "Case Closed"***

UST Probability (from May 2014 "Addendum 1 ECP UHOT Report"): ***NFA***

Based on the file review, were there indications of a contaminant release? [ ] Yes [X] No

NJDEP Release No. or DICAR (If applicable): _____

Did NJDEP approve No Further Action (NFA) for this site? [ ] Yes [X] No [ ] Not Applicable

Tank Description: [X] Steel [ ] Fiberglass Size: 1000 gals. Contents: No. 2 Fuel Oil

[X] Residential [ ] Commercial/Industrial

Tank Removed? [X] Yes [ ] No If "yes," removal date: 12/13/2010

Were closure soil samples taken? [X] Yes [ ] No Analyses: TPH

Comparison criteria: 5,100 mg/kg TPH

Were closure soil sample results less than comparison criteria? ? [X] Yes [ ] No

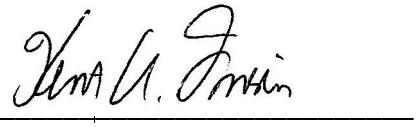
Brief Narrative

This tank was discovered and removed during Building 746 demolition. A fiberglass UST was previously removed from this Building 746 area in 1997 that was designated as 746, and then subsequently as 746A when this 746B steel tank was discovered.

Soil samples were collected from the tank excavation in 2010 and analyzed by the Fort Monmouth Environmental Laboratory for total petroleum hydrocarbons (TPH). Three soil samples from the excavation (plus one field duplicate) were collected on December 13, 2010. All of the soil sample results from this excavation were non-detected (ND) for TPH. The final results were less than 5,100 mg/kg for TPH, which is the current remediation criterion. Therefore, soil remediation was completed, and no additional sampling or remedial action was warranted.

In conclusion, the analytical results support changing the UST Case Status to "Case Closed."

Recommendations (if any): Change Status to "Case Closed," request NFA from NJDEP

Signed: 

Kent A. Friesen, Parsons

Fort Monmouth UST Status Summary Report

UST REGISTRATION INFORMATION SUMMARY

LOCATION: 746 B ***NJDEP REG ID:*** -

RESIDENTIAL? YES

UST CONSTRUCTION INFORMATION SUMMARY

SIZE (GALLONS): 1000 ***CONSTRUCTION:*** STEEL

PRODUCT: #2 FUEL OIL ***YEAR INSTALLED:***

UST REMOVAL/INVESTIGATION SUMMARY

REMOVAL DATE: 12/13/2010 ***REMOVAL CONTRACTOR:*** TVS Inc

SRF SEND DATE: ***TMS:***

DICAR NO. ***LEAK DETECT:***

REMEDIATION COMMENTS:

REGISTRATION COMMENTS: UHOT as per BRAC Legal Office Determination

SAS DONE: NO ***CONSULTANT:***

MWs NEEDED: ***MONITORING WELLS:***

SUB-SURFACE EVALUATOR: H.Hornung

CURRENT UST STATUS

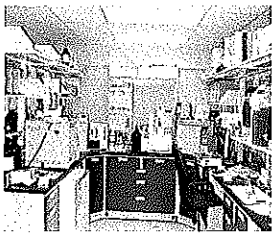
UST STATUS: REMOVED CLEAN SITE SAS CONT ***CASE STATUS:*** Case Open

SUBMITTAL DATE: ***APPROVAL DATE:***

FINALIZED: No

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732) 532-6224 FAX: (732) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: UST Program

Bldg. /746

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
746-A/East End	1054701	Soil	13-Dec-10 13:40	12/13/10
746-B/Center	1054702	Soil	13-Dec-10 14:00	12/13/10
746-C/West End	1054703	Soil	13-Dec-10 14:25	12/13/10
746-Duplicate	1054704	Soil	13-Dec-10 14:00	12/13/10

ANALYSIS:
ACCUTEST LABORATORIES
TPHC, %SOLIDS

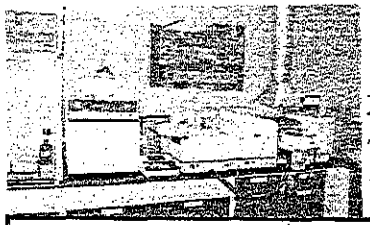
Dean Tardiff/Date: 1/26/11
Laboratory Manager

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

Table of Contents

Section	Pages
Chain of Custody	1-3
GPS Points	4-5
Field Duplicate	5A-5B
Method Summary	5C-5D
Conformance/Non-Conformance	6-7
Laboratory Chronicle	8-9
TPHC	10
Results Summary	11
Calibration Summary	12-15
Surrogate Results Summary	16
MS/MSD Results Summary	17
LCS Summary	18
Raw Sample Data	19-37
Laboratory Deliverables Checklist	38
Laboratory Authentication Statement	39

CHAIN OF CUSTODY



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:Dean Tardiff@us.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: CHUCK APPLEBY
Phone #: X 22692
( )DERA ( )OMA (X)Other: BRC

Project No: 11-33212
Location: BLDG. 746 (FORMER)

Samplers Name / Company: FRANK ACCORSI / TVS

Analysis Parameters

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	TPH *	% SOLIDS					PID (PPM)	DEPTH (FT.)	Remarks / Preservation Method
10547 01	746-A, EAST END	12-13-10	1340	SOIL	1	X	X					2	7-7.5	ICE
02	746-B. CENTER	↓	1400	↓	↓	X	X					0	7-7.5	↓
03	746-C WEST END	↓	1425	↓	↓	X	X					0	7-7.5	↓
04	746-DUPLICATE	↓	1400	↓	↓	X	X					0	7-7.5	↓

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Frank Accorsi	12-13-10 1550	J. [illegible] 12/14/10 1530			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, (X)Reduced, ( )Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: ( )Standard 3 wks, (X)Rush ~~3 Wk~~ 3 DAYS, ( )ASAP Verbal ___Hrs.

Comments: IF TPH > 1,000 PPM TPH, ANALYZE FOR NAPHTHALENE, 2-METHYL NAPHTHALENE

000002

print legibly

new coc._1.XLS12/16/2009

SAMPLE RECEIPT FORM

Date Received: 12-14-10 Work Order ID#: 10574

Site/Proj. Name: Bldg 746 Cooler Temp (°C): ICE

Received By: J. Dungan Sign: J. Dungan
(Print name)

Check the appropriate box

1. Did the samples come in a cooler?	yes	no	n/a
2. Were samples rec'd in good condition?	yes	no	
3. Was the chain of custody filled out correctly and legibly?	yes	no	
4. Was the chain of custody signed in the appropriate place?	yes	no	
5. Did the labels agree with the chain of custody?	yes	no	
6. Were the correct containers/preservatives used?	yes	no	
7. Was a sufficient amount of sample supplied?	yes	no	
8. Were air bubbles present in VOA vials?	yes	no	n/a
9. Were samples received on ice?	yes	no	
10. Were analyze-immediately tests perform within 15 minutes	yes	no	n/a

Fill out the following table for each sample bottle

Lims ID	pH	Preservative	Sample ID	pH	Preservative

Comments: _____

GPS
POINTS

U.S. ARMY-FT. MONMOUTH, NJ

SITE 746

SOIL SAMPLING GPS POSITIONS & COORDINATES

US STATE PLANE 1983, NJ (NY EAST) 2900, NAD 1983 (CONUS)

POSITION/DESCRIPTION	Y COORDINATE (NORTHING)	X COORDINATE (EASTING)
746 East	538032.095	618633.27
746 Center	538030.938	618628.231
746 West	538029.021	618624.493

FIELD DUPLICATE

000005A

Field Duplicate Identification

Lab ID: 10547

Site: Bldg. 746

The Field Duplicate was performed on 746-B/Center (1054702).

000005B

METHOD SUMMARY

000005C

Method Summary

NJDEP Method OQA-QAM-025 02/08
Gas Chromatographic Determination of Total Petroleum Hydrocarbons in Soil

Fifteen grams (15g) of soil is added to a 125-ml acid cleaned and solvent rinsed capped Erlenmeyer flask. 15g anhydrous Sodium Sulfate is added to dry the sample. Surrogate standard spiking solution is then added to the flask.

Twenty-five ml of Methylene Chloride is added to the flask and it is secured on an orbital shaker table. The agitation rate is set to 400 rpm and the sample is shaken for 30 minutes. The flask is removed from the table and the particulate matter is allowed to settle. The extract is transferred to a Teflon capped vial. A second 25-ml of Methylene Chloride is added to the flask and shaken for an additional 30 minutes. The flask is again removed and allowed to settle. The extracts are combined in the vial then transferred to a 1-ml auto-sampler vial.

The extract is then injected directly into a GC-FID for analysis. The sample is analyzed for Petroleum Hydrocarbons covering a range of C8-C42, including Pristane and Phytane. Total Petroleum Hydrocarbon concentration is determined by integrating between 5 minutes and 22 minutes. The baseline is established by starting the integration after the end of the solvent peak and stopping after the last peak. The final concentration of Total Petroleum Hydrocarbons is calculated using percent moisture, sample weight and concentration.

CONFORMANCE/ NON-CONFORMANCE SUMMARY

10547 TPHC

TPHC Conformance/Non-conformance Summary Report

		Indicate Yes, No, N/A
1.	Method Detection Limits provided.	Yes
2.	Method Blank Contamination – If yes, list the sample and the corresponding concentrations in each blank.	No
3.	Matrix Spike Results Summary Meet Criteria (If not met, list the sample and corresponding recovery which falls outside the acceptable range).	Yes
4.	Duplicate Results Summary Meet Criteria (If not met, list the sample and corresponding recovery which falls outside the acceptable range).	Yes
5.	IR Spectra submitted for standards, blanks and samples.	NA
6.	Chromatograms submitted for standards, blanks and samples if GC fingerprinting was conducted.	N/A
7.	Analysis holding time met. (If not met, list number of days exceeded for each sample).	Yes

Additional comments: _____

Jean Tang
Laboratory Manager

1/26/11
Date

1/24/11

000007

LABORATORY CHRONICLE

Laboratory Chronicle

Lab ID: 10547 **Site:** Bldg. 746

	Date	Hold Time
Date Sampled	12/13/10	NA
Receipt/Refrigeration	12/13/10	NA
Analyses		
1. TPHC	12/15/10	14 Days

TPHC

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Client: U.S. Army
DPW. SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Project #: 11-33212
Location: BLDG. 746
ECP:
Work Order:

Analysis: OQA-QAM-025
Matrix:
Inst. ID: GC TPHC INST. #1
Column Type: RTX-5, 0.32mm ID, 30 m
Injection Vol.: 1 uL

Date Received: 13-Dec-10
Date Extracted: 15-Dec-10
Extraction Method: Shake
Analyst: Robert Szot

Lab ID	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	RL (mg/kg)	TPHC Result (mg/kg)	Data		Qualifiers
MB12151001	MB12151001	1.00	15.00	100.00	23	333	not detected			
LCS12151001	LCS12151001	1.00	15.00	100.00	23	333	1240.79			
1054701	746-A EAST END	1.00	15.71	70.5	32	451	not detected			
1054702	746-B CENTER	1.00	15.64	83.6	27	382	not detected			
1054703	746-C WEST END	1.00	15.51	74.3	30	434	not detected			
1054704	746 DUPLICATE	1.00	15.85	76.4	29	413	not detected			

Qualifiers:
MDL = Method Detection Limit
RL = Reporting Limit
E = Result exceeds calibration limit
J = Estimated value, concentration is between MDL and RL
D = Result from dilution
ND = not detected

000014

LABORATORY DELIVERABLES CHECKLIST AND NON-CONFORMANCE SUMMARY

THIS FORM MUST BE COMPLETED BY THE LABORATORY OR ENVIRONMENTAL CONSULTANT AND ACCOMPANY ALL DATA SUBMISSIONS

The following Laboratory Deliverables Checklist and Non-Conformance Summary shall be included in the data submission. All deviations from the accepted methodology and procedures, of performance values outside acceptable ranges shall be summarized in the Non-Conformance Summary. The Technical Requirements for Site Remediation, effective June 7, 1993, provides further details. The document shall be bound and paginated, contain a table of contents, and all pages shall be legible. Incomplete data packages will be returned or held without review until the data package is completed.

It is recommended that the analytical results summary sheets listing all targeted and non-targeted compounds with the method detection limits, practical quantitation limits, and the laboratory and/or sample numbers be included in one section of the data package and in the main body of the report.

1.	Cover Page, Title Page listing Lab Certification #, facility name and address, & date of report submitted.	✓
2.	Table of Contents submitted.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds submitted.	✓
4.	Document paginated and legible.	✓
5.	Chain of Custody submitted.	✓
6.	Samples submitted to lab within 48 hours of sample collection.	✓
7.	Methodology Summary submitted.	✓
8.	Laboratory Chronicle and Holding Time Check submitted.	✓
9.	Results submitted on a dry weight basis.	✓
10.	Method Detection Limits submitted.	✓
11.	Lab certified by NJDEP for parameters of appropriate category of parameters or a member of the USEPA CLP.	✓

Laboratory Manager or Environmental Consultant's Signature 

Date: 1/26/11

Laboratory Certification # 13461

*Refer to NJAC 7:26E – Appendix A, Section IV – Reduced Data Deliverables – Non-USEPA/CLP Methods for further guidance.

Laboratory Authentication Statement

I certify under penalty of law, where applicable, that this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18 and 40 CFR Part 136 for Water and Wastewater Analyses and SW-846 for Solid Waste Analysis. I have personally examined the information contained in this report and to the best of my knowledge, I believe that the submitted information is true, accurate, complete and meets the above referenced standards where applicable. I am aware that there are significant penalties for purposefully submitting falsified information, including the possibility of a fine and imprisonment.

Dean Tardiff
Laboratory Manager

1/26/11

ATTACHMENT L

UST 747B File Review and Analyses

PARSONS

UNDERGROUND STORAGE TANK FILE REVIEW
FORT MONMOUTH BRAC 05 FACILITY
OCEANPORT, NEW JERSEY

Date: *April 1, 2015* Review Performed By: *Kent Friesen, Parsons*

Site ID: ***747B*** Registration ID: *None*

Recommended Status of Site: ***Change to "Case Closed"***

UST Probability (from May 2014 "Addendum 1 ECP UHOT Report"): ***NFA***

Based on the file review, were there indications of a contaminant release? [ ] Yes [X] No

NJDEP Release No. or DICAR (If applicable): _____

Did NJDEP approve No Further Action (NFA) for this site? [ ] Yes [X] No [ ] Not Applicable

Tank Description: [X] Steel [ ] Fiberglass Size: 1000 gals. Contents: No. 2 Fuel Oil

[X] Residential [ ] Commercial/Industrial

Tank Removed? [X] Yes [ ] No If "yes," removal date: 12/9/2010

Were closure soil samples taken? [X] Yes [ ] No Analyses: TPH

Comparison criteria: 5,100 mg/kg TPH

Were closure soil sample results less than comparison criteria? ? [X] Yes [ ] No

Brief Narrative

This tank was discovered and removed during Building 747 demolition. A fiberglass UST was previously removed from this Building 747 area in 1997 that was designated as 747, and then subsequently as 747A when this 747B steel tank was discovered.

Soil samples were collected from the tank excavation in 2010 and analyzed by the Fort Monmouth Environmental Laboratory for total petroleum hydrocarbons (TPH). Three soil samples from the excavation (plus one field duplicate) were collected on December 15, 2010. All of the soil sample results from this excavation were non-detected (ND) for TPH. The final results were less than 5,100 mg/kg for TPH, which is the current remediation criterion. Therefore, soil remediation was completed, and no additional sampling or remedial action was warranted.

In conclusion, the analytical results support changing the UST Case Status to "Case Closed."

Recommendations (if any): Change Status to "Case Closed," request NFA from NJDEP

Signed: 

Kent A. Friesen, Parsons

Fort Monmouth UST Status Summary Report

UST REGISTRATION INFORMATION SUMMARY

LOCATION: 747 B ***NJDEP REG ID:*** -

RESIDENTIAL? YES

UST CONSTRUCTION INFORMATION SUMMARY

SIZE (GALLONS): 1000 ***CONSTRUCTION:*** STEEL

PRODUCT: #2 FUEL OIL ***YEAR INSTALLED:***

UST REMOVAL/INVESTIGATION SUMMARY

REMOVAL DATE: 12/9/2010 ***REMOVAL CONTRACTOR:*** TVS

SRF SEND DATE: ***TMS:***

DICAR NO. ***LEAK DETECT:***

REMEDIATION COMMENTS: CA 12-10-2010 waiitng on results.

REGISTRATION COMMENTS: UHOT as per BRAC Legal Office determination. UST identified in Enviroscan TW-6 survey of the area.

SAS DONE: NO ***CONSULTANT:***

MWs NEEDED: ***MONITORING WELLS:***

SUB-SURFACE EVALUATOR: H. Hornung

CURRENT UST STATUS

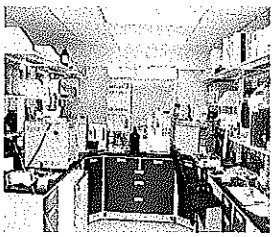
UST STATUS: REMOVED CLEAN SITE SAS CONT ***CASE STATUS:*** Case Open

SUBMITTAL DATE: ***APPROVAL DATE:***

FINALIZED: No

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732) 532-6224 FAX: (732) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 11-33212

Bldg. /747B

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
747B-A/East Wall	1055101	Soil	15-Dec-10 10:50	12/15/10
747B-B/Center	1055102	Soil	15-Dec-10 10:20	12/15/10
747B-C/West End	1055103	Soil	15-Dec-10 10:00	12/15/10
747B-Duplicate	1055104	Soil	15-Dec-10 10:20	12/15/10

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL TESTING LAB
TPHC, %SOLIDS

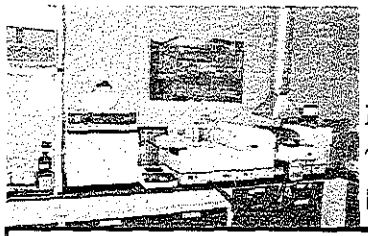
Dean Tardiff/Date: 1/5/11
Laboratory Manager

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

Table of Contents

Section	Pages
Chain of Custody	1-3
GPS Points	4-5
Field Duplicate	6-7
Method Summary	8-9
Conformance/Non-Conformance	10-11
Laboratory Chronicle	12-13
TPHC	14
Results Summary	15
Calibration Summary	16-19
Surrogate Results Summary	20
MS/MSD Results Summary	21
LCS Summary	22
Raw Sample Data	23-41
Laboratory Deliverables Checklist	42
Laboratory Authentication Statement	43

CHAIN OF CUSTODY



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:Dean Tardiff@us.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: CHUCK AFFLEBY
Phone #: X22692
( )DERA ( )OMA (X)Other: BRAC

Project No: 11-33212
Location: (FORMER) BLDG. 747B

Samplers Name / Company: FRANK ACCORSI / TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	* TPH	% SOLIDS					PID (ppm)	DEPTH (FT)	Remarks / Preservation Method
						Analysis Parameters								Comments:
10551 .01	747A-A, EAST END	12-15-10	1050	SOIL	1	X	X					0	6-6.5	ICE
.02	747A-B, CENTER		1020			X	X					2	6-6.5	
.03	747A-C, WEST END		1000			X	X					0	6-6.5	
.04	747A-DUPLICATE		1020			X	X					1	6-6.5	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Frank Accorsi	12-15-10 1115				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, (X)Reduced, ( )Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: ( )Standard 3 wks, (X)Rush ~~3 Wk.~~ 7 DAYS, ( )ASAP Verbal ____Hrs.

Comments: * IF TPH > 1,000 PPM TPH, ANALYZE FOR NAPHTHALENE + 2-METHYL NAPHTHALENE

001002

print legibly

new coc._1.XLS12/16/2009

SAMPLE RECEIPT FORM

Date Received: 12-15-10 Work Order ID#: 10557

Site/Proj. Name: Former Bldg 747A Cooler Temp (°C): 4°

Received By: Shannon Burk Sign:
(Print name)

Check the appropriate box

1. Did the samples come in a cooler?	yes	no	n/a
2. Were samples rec'd in good condition?	yes	no	
3. Was the chain of custody filled out correctly and legibly?	yes	no	
4. Was the chain of custody signed in the appropriate place?	yes	no	
5. Did the labels agree with the chain of custody?	yes	no	
6. Were the correct containers/preservatives used?	yes	no	
7. Was a sufficient amount of sample supplied?	yes	no	
8. Were air bubbles present in VOA vials?	yes	no	n/a
9. Were samples received on ice?	yes	no	
10. Were analyze-immediately tests perform within 15 minutes	yes	no	n/a

Fill out the following table for each sample bottle

Lims ID	pH	Preservative	Sample ID	pH	Preservative

Comments:

GPS POINTS

U.S. ARMY-FT. MONMOUTH, NJ

SITE 747B

SOIL SAMPLING GPS POSITIONS & COORDINATES

US STATE PLANE 1983, NJ (NY EAST) 2900, NAD 1983 (CONUS)

POSITION/DESCRIPTION	Y COORDINATE (NORTHING)	X COORDINATE (EASTING)
747B/East Wall	537949.313	618479.489
747B/Center	537947.721	618475.939
747B/West Wall	537944.032	618470.392
747B/Duplicate	537947.721	618475.939

FIELD DUPLICATE

Field Duplicate Identification

Lab ID: 10551 Site: Bldg. 747B

The Field Duplicate was performed on 747B Center (1055102)

METHOD SUMMARY

Method Summary

NJDEP Method OQA-QAM-025 02/08
Gas Chromatographic Determination of Total Petroleum Hydrocarbons in Soil

Fifteen grams (15g) of soil is added to a 125-ml acid cleaned and solvent rinsed capped Erlenmeyer flask. 15g anhydrous Sodium Sulfate is added to dry the sample. Surrogate standard spiking solution is then added to the flask.

Twenty-five ml of Methylene Chloride is added to the flask and it is secured on an orbital shaker table. The agitation rate is set to 400 rpm and the sample is shaken for 30 minutes. The flask is removed from the table and the particulate matter is allowed to settle. The extract is transferred to a Teflon capped vial. A second 25-ml of Methylene Chloride is added to the flask and shaken for an additional 30 minutes. The flask is again removed and allowed to settle. The extracts are combined in the vial then transferred to a 1-ml auto-sampler vial.

The extract is then injected directly into a GC-FID for analysis. The sample is analyzed for Petroleum Hydrocarbons covering a range of C8-C42, including Pristane and Phytane. Total Petroleum Hydrocarbon concentration is determined by integrating between 5 minutes and 22 minutes. The baseline is established by starting the integration after the end of the solvent peak and stopping after the last peak. The final concentration of Total Petroleum Hydrocarbons is calculated using percent moisture, sample weight and concentration.

CONFORMANCE/ NON-CONFORMANCE SUMMARY

10551 TPHc

TPHC Conformance/Non-conformance Summary Report

		Indicate Yes, No, N/A
1.	Method Detection Limits provided.	Yes
2.	Method Blank Contamination – If yes, list the sample and the corresponding concentrations in each blank.	No
3.	Matrix Spike Results Summary Meet Criteria (If not met, list the sample and corresponding recovery which falls outside the acceptable range).	Yes
4.	Duplicate Results Summary Meet Criteria (If not met, list the sample and corresponding recovery which falls outside the acceptable range).	Yes
5.	IR Spectra submitted for standards, blanks and samples.	N/A
6.	Chromatograms submitted for standards, blanks and samples if GC fingerprinting was conducted.	N/A
7.	Analysis holding time met. (If not met, list number of days exceeded for each sample).	Yes

Additional comments: _____

Laboratory Manager — Date 1/5/11

12/23/10

LABORATORY CHRONICLE

Laboratory Chronicle

Lab ID: 10551 **Site:** Bldg 747B

	Date	Hold Time
Date Sampled	12/15/10	NA
Receipt/Refrigeration	12/15/10	NA
Analyses		
1. TPH	12/16/10	14 Days

TPHC

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Client: U.S. Army
DPW. SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Project #: 11-33212
Location: BLDG. 747A
ECP:
Work Order:

Analysis: OQA-QAM-025
Matrix:
Inst. ID: GC TPHC INST. #1
Column Type: RTX-5, 0.32mm ID, 30 m
Injection Vol.: 1 uL

Date Received: 15-Dec-10
Date Extracted: 16-Dec-10
Extraction Method: Shake
Analyst: Robert Szot

Lab ID	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	RL (mg/kg)	TPHC Result (mg/kg)	Data		Qualifiers
MB12161001	MB12161001	1.00	15.00	100.00	23	333	not detected			
LCS12161001	LCS12161001	1.00	15.00	100.00	23	333	1100.47			
1055101	747A-A EAST END	1.00	15.50	68.9	33	468	not detected			
1055102	747A-B CENTER	1.00	15.52	72.9	31	442	not detected			
1055103	747A-C WEST END	1.00	15.88	80.6	27	391	not detected			
1055104	747A DUPLICATE	1.00	15.88	75.5	29	417	not detected			

Qualifiers:
MDL = Method Detection Limit
RL = Reporting Limit
E = Result exceeds calibration limit
J = Estimated value, concentration is between MDL and RL
D = Result from dilution
ND = not detected

000015

LABORATORY DELIVERABLES CHECKLIST AND NON-CONFORMANCE SUMMARY

THIS FORM MUST BE COMPLETED BY THE LABORATORY OR ENVIRONMENTAL CONSULTANT AND ACCOMPANY ALL DATA SUBMISSIONS

The following Laboratory Deliverables Checklist and Non-Conformance Summary shall be included in the data submission. All deviations from the accepted methodology and procedures, of performance values outside acceptable ranges shall be summarized in the Non-Conformance Summary. The Technical Requirements for Site Remediation, effective June 7, 1993, provides further details. The document shall be bound and paginated, contain a table of contents, and all pages shall be legible. Incomplete data packages will be returned or held without review until the data package is completed.

It is recommended that the analytical results summary sheets listing all targeted and non-targeted compounds with the method detection limits, practical quantitation limits, and the laboratory and/or sample numbers be included in one section of the data package and in the main body of the report.

1.	Cover Page, Title Page listing Lab Certification #, facility name and address, & date of report submitted.	✓
2.	Table of Contents submitted.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds submitted.	✓
4.	Document paginated and legible.	✓
5.	Chain of Custody submitted.	✓
6.	Samples submitted to lab within 48 hours of sample collection.	✓
7.	Methodology Summary submitted.	✓
8.	Laboratory Chronicle and Holding Time Check submitted.	✓
9.	Results submitted on a dry weight basis.	✓
10.	Method Detection Limits submitted.	✓
11.	Lab certified by NJDEP for parameters of appropriate category of parameters or a member of the USEPA CLP.	✓

Laboratory Manager or Environmental Consultant's Signature Sean Tarr

Date: 1/5/11

Laboratory Certification # 13461

*Refer to NJAC 7:26E – Appendix A, Section IV – Reduced Data Deliverables – Non-USEPA/CLP Methods for further guidance.

Laboratory Authentication Statement

I certify under penalty of law, where applicable, that this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18 and 40 CFR Part 136 for Water and Wastewater Analyses and SW-846 for Solid Waste Analysis. I have personally examined the information contained in this report and to the best of my knowledge, I believe that the submitted information is true, accurate, complete and meets the above referenced standards where applicable. I am aware that there are significant penalties for purposefully submitting falsified information, including the possibility of a fine and imprisonment.

Dean Tardiff
Laboratory Manager 1/5/11

ATTACHMENT M

700 Area Excerpts from the 2005 Residential Communities Initiative (RCI)
Remedial Action Report

FINAL
Remedial Action Report for the 800, 700, and 400 Areas

U.S. Army Installation Fort Monmouth
Fort Monmouth, New Jersey

PREPARED BY:

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OCTOBER 2005

CONTENTS

Section **Page**

EXECUTIVE SUMMARY ES-1

1.0 INTRODUCTION 1
1.1 OBJECTIVES 1
1.2 REPORT ORGANIZATION 1

2.0 SITE BACKGROUND AND ENVIRONMENTAL SETTING 2
2.1 SITE LOCATION AND DESCRIPTION 2
2.1.1 The 800 Area 2
2.1.2 The 700 Area 2
2.1.3 The 400 Area 3
2.2 ENVIRONMENTAL SETTING 3
2.2.1 Regional and Local Geology 3
2.2.2 Hydrogeology 5
2.2.3 Topography and Surface Drainage 5

3.0 SITE/REMEDIAL INVESTIGATIONS, REMEDIAL ASSESSMENTS, AND ACTIONS 7
3.1 THE 800 AREA 7
3.1.1 Geophysical Study and UST Closure Activities 8
3.1.2 Site Investigation 9
3.1.3 Contaminants of Concern
3.1.4 Remedial Investigation and Remedial Action 10
3.2 THE 700 AREA 14
3.2.1 Geophysical Survey and UST Closure Activities 14
3.2.2 Site Investigation 15
3.2.3 Contaminants of Concern
3.2.4 Remedial Investigation and Remedial Action 17
3.3 THE 400 AREA 19
3.3.1 Geophysical Survey and UST Closure Activities 19
3.3.2 Site Investigation 20
3.3.3 Contaminants of Concern
3.3.4 Remedial Investigation and Remedial Action 21

4.0 QUALITY ASSURANCE AND QUALITY CONTROL 25

5.0 WASTE CHARACTERIZATION AND DISPOSAL 27

6.0 REFERENCES 28

CONTENTS (Continued)

FIGURES

Figures

1 U.S. Army Installation Fort Monmouth Location Map
2 800, 700, and 400 Areas Location Map
3 800 Area - Site Investigation Soil Sample Locations
4a 800 Area – Remedial Investigation Soil Sample Locations
4b 800 Area - Remedial Investigation Soil Sample Locations
5a 800 Area - Post-Excavation Soil Sample Locations
5b 800 Area – Post-Excavation Soil Sample Locations
6 700 Area - Site Investigation Soil Sample Locations
7 700 Area - Remedial Investigation Soil Sample Locations
8 700 Area – Post-Excavation Soil Sample Locations
9 400 Area - Site Investigation Soil Sample Locations
10 400 Area - Remedial Investigation Soil Sample Locations
11 400 Area – Post-Excavation Soil Sample Locations

TABLES

Tables

1 800 Area – Areas of Concern
2 800 Area Sample Program Summary
3 800 Area Site Investigation Exceedances
4 800 Area Remedial Investigation Exceedances – Round 1
5 800 Area Remedial Investigation Exceedances – Round 2
6 800 Area Remedial Investigation Exceedances – Round 3
7 800 Area Remedial Investigation Exceedances – Round 4
8 800 Area Remedial Investigation Exceedances – Round 5
9 800 Area Remedial Investigation Exceedances – Round 6
10 800 Area Remedial Action Post Excavation Sample Results – Detects and Exceedances
11 700 Area – Areas of Concern
12 700 Area Sample Program Summary
13 700 Area Site Investigation Exceedances
14 700 Area Remedial Investigation Exceedances
15 700 Area Remedial Action Post Excavation Sample Results – Detects and Exceedances
16 400 Area – Areas of Concern
17 400 Area Sample Program Summary
18 400 Area Site Investigation Exceedances
19 400 Area Remedial Investigation Exceedances – Round 1
20 400 Area Remedial Investigation Exceedances – Round 2
21 400 Area Remedial Investigation Exceedances – Round 3
22 400 Area Remedial Investigation Exceedances – Round 4

CONTENTS (Continued)

23 400 Area Remedial Investigation Exceedances – Round 5
24 400 Area Remedial Investigation Exceedances – Round 6
25 400 Area Remedial Action Post Excavation Sample Results – Detects and Exceedances

APPENDIX

Appendix

A Boring Logs for Areas 800, 700, and 400
B Geophysical Survey, Buried Construction Debris and UST Detection/Delineation, 33-Acre Area, Fort Monmouth, Enviroscan, Inc., June 10, 2003
C Laboratory Analytical Data Reports for the 800 Area
D Geophysical Survey, Buried Construction Debris and UST Detection/Delineation, 700 Area, Fort Monmouth, Enviroscan, Inc., November 3, 2003
E Laboratory Analytical Data Reports for the 700 Area
F Geophysical Survey, UST Detection/Delineation, 400 Area, Fort Monmouth, Enviroscan, Inc., September 3, 2004
G Laboratory Analytical Data Reports for the 400 Area
H Onyx Environmental Soil Disposal and Tracking Table and Hazardous Waste Disposal Manifests

EXECUTIVE SUMMARY

In support of future construction activities under the U.S. Army's Residential Communities Initiative (RCI) and Enhanced Use Leasing (EUL) programs, personnel from the Fort Monmouth Directorate of Public Works (DPW) and TECOM-Vinnell Services (TVS), a subsidiary of the Base Operations (BASEOPS) contractor Chenega Technology Services Corporation (Chenega), performed site investigation (SI) activities at three sites at the Main Post of Fort Monmouth, NJ designated as the 800, 700, and 400 Areas, and found contamination above the applicable New Jersey Department of Environmental Protection (NJDEP) soil cleanup criteria. Subsequent to the discovery of the contamination, DPW/TVS personnel performed remedial investigation (RI) activities to fully delineate the limits of the contamination; once that was completed, DPW/TVS performed the necessary remedial action (RA) excavation and post-excavation sampling activities. Tetra Tech EM, Inc. (Tetra Tech) has been contracted by Chenega, on behalf of the DPW, under Purchase Order #CD4-02109, to prepare a Remedial Action Report (RAR) for the remedial activities at the 800, 700, and 400 Areas. This report addresses the remedial activities performed at these sites between May 2003 and April 2005.

This RAR presents the remedial action processes and post-excavation soil sampling performed by DPW and TVS personnel at the 800, 700, and 400 Areas. The activities described in this report were completed in accordance with the NJDEP Technical Requirements for Site Remediation (N.J.A.C. 7:26E *et al.*).

The Army requires that all areas that may pose potential harm to the environment be assessed and remediated in compliance with NJDEP and U.S. Environmental Protection Agency (USEPA) regulations. From May 2003 to April 2005, soils at the 800, 700, and 400 Areas at the Main Post were the subject of SI, RI, and RA activities. The primary objective of these activities was the characterization of environmental conditions at the 800, 700, and 400 Areas and the performance of remedial actions including the removal and disposal of all soil with concentrations above state (NJDEP Residential Direct Contact Soil Cleanup Criteria [RDCSCC] for the 800 Area, NJDEP Non-Residential Direct Contact Soil Cleanup Criteria [NRDCSCC] for the 700 and 400 Areas) criteria as necessary to support future construction activities. A secondary objective of the investigation activities was a geophysical investigation in order to identify, locate, and remove historic underground storage tanks (USTs) and/or buried construction debris at each of the areas. All objectives of the RI and RA activities have been met: soils with concentrations that exceeded the applicable criteria for each area have been removed as verified through post-excavation sampling results and all known USTs have been removed and remediated (NOTE: Fort Monmouth will submit UST Closure Reports to the NJDEP as a separate submission for all

of the USTs that were removed and closed). The Army requests that the NJDEP issue a ***No Further Action*** letter for the 800, 700, and 400 Areas based on the results of these actions.

1.0 INTRODUCTION

Tetra Tech EM, Inc. (Tetra Tech) has been contracted by the Fort Monmouth base operations (BASEOPS) contractor, Chenega Technology Services Corporation (Chenega), on behalf of the U.S. Army Garrison Fort Monmouth Directorate of Public Works (DPW) under Purchase Order #CD4-02109, to prepare a Remedial Action Report (RAR) for the remedial activities that were performed at the 800, 700, and 400 Areas at the Main Post of Fort Monmouth, NJ. Personnel from the Fort Monmouth DPW and TECOM-Vinnell Services (TVS), a subsidiary of the BASEOPS contractor Chenega, performed site investigation, remedial investigation, and remedial actions at three sites designated as the 800 Area, 700 Area, and 400 Area in support of future construction activities under the U.S. Army's Residential Communities Initiative (RCI) and Enhanced Use Leasing (EUL) programs. This report addresses the remedial activities performed at these sites between May 2003 and April 2005.

1.1 OBJECTIVES

The objective of this RAR is to present the results of the site investigations, remedial investigations, and remedial action activities performed at the 800, 700, and 400 Areas at the Main Post of Fort Monmouth for the purpose of requesting No Further Action letters from the New Jersey Department of Environmental Protection (NJDEP) for the contamination identified at these sites. The purpose of the remedial actions was to excavate and dispose of contaminated soils in these areas.

1.2 REPORT ORGANIZATION

This report is organized to minimize repetition. Section 2 provides background information and general descriptions of the 800, 700, and 400 Areas at the Main Post of Fort Monmouth. Section 3 provides a discussion of the site investigation, remedial investigation, and remedial action activities specific to the 800, 700, and 400 Areas. Section 4 describes the quality assurance and quality control results of the sampling. Section 5 describes waste characterization and disposal activities. Section 6 provides a list of references utilized in developing the RAR.

2.0 SITE BACKGROUND AND ENVIRONMENTAL SETTING

The following sections describe the site background and environmental settings of the geographical area surrounding the Main Post of Fort Monmouth. Included is a description of the site location and environmental setting, including regional and local geology, hydrogeology, topography, and surface drainage.

2.1 SITE LOCATION AND DESCRIPTION

Fort Monmouth is located in the central-eastern portion of New Jersey in Monmouth County, approximately 45 miles south of New York City and 70 miles northeast of Philadelphia. Figure 1 is a vicinity location map. In addition to the Main Post, the installation includes two subposts, the Charles Wood Area and the Evans Area. The primary mission of Fort Monmouth is to provide command, administrative, and logistical support for Headquarters, U.S. Army Communications and Electronics Command (CECOM). CECOM is a major subordinate command of the U.S. Army Material Command (AMC) and is the host tenant at Fort Monmouth.

The 800, 700, and 400 Areas are located on the Main Post of Fort Monmouth, which is bounded by State Highway 35, Parkers Creek, Lafetra Creek, the New Jersey Transit Railroad, and a residential area to the south. The 800 and 700 Areas are located in the central-southern portion of the Main Post and the 400 Area is located in the eastern portion of the base (see Figure 2).

2.1.1 The 800 Area

The 800 Area is approximately 33 acres in size and is comprised of open grass-covered areas, asphalt-covered parking lots, buildings, and a football field. Approximately 12 acres of the 800 Area has been designated for future residential housing construction under the RCI.

2.1.2 The 700 Area

The 700 Area is approximately twelve acres in size and consists of two parcels. The larger parcel includes open mowed fields with several buildings along the southern boundary of the 700 Area and is surrounded by Alexander Avenue to the north, Radio Avenue to the east, Nicodemus Avenue to the south, and Wilson Avenue to the west. The smaller parcel includes a paved parking area and a grassy area between buildings and is bound by Alexander Avenue to the west and Nicodemus Avenue to the south

and east. The 700 Area has been designated for future administrative building construction.

2.1.3 The 400 Area

The 400 Area is approximately 30 acres in size and encompasses open mowed fields extending south-southeast from Parker's Creek to Till Avenue. South of Allen Avenue, the fields are populated with various buildings and other structures. Approximately one acre of the 400 Area has been designated for future maintenance building construction under the RCI.

2.2 ENVIRONMENTAL SETTING

The following sections describe the environmental setting which includes the geological and hydrogeological setting, the topography, and surface drainage of the area.

2.2.1 Regional and Local Geology

Monmouth County lies within the New Jersey Section of the Atlantic Coastal Plain physiographic province. The Main Post is located in the Outer Coastal Plain subprovince.

In general, New Jersey Coastal Plain formations consist of a seaward-dipping wedge of unconsolidated deposits of clay, silt, and gravel. These formations typically strike northeast-southwest with a dip ranging from 10 to 60 feet per mile and were deposited on Precambrian and lower Paleozoic rocks. These sediments, predominantly derived from deltaic, shallow marine, and continental shelf environments, date from the Cretaceous through the Quaternary Periods. The mineralogy ranges from quartz to glauconite.

The formations record several major transgressive/regressive cycles and contain units that are generally thicker to the southeast and reflect a deeper water environment. Over 20 regional geologic units are present within the sediments of the Coastal Plain. Regressive, upward coarsening deposits are usually aquifers (for example, the Englishtown and Kirkwood formations, and the Cohansey Sand), while the transgressive deposits act as confining units (for example, the Merchantville, Marshalltown, and Navesink formations). The individual thicknesses for these units vary greatly (that is, from several feet to several hundred feet). The Coastal Plain deposits thicken to the southeast to the Fall Line (i.e., a boundary zone between older, resistant rocks and younger, softer plain sediments) to greater than 6,500 feet in Cape May County.

Based on the regional geologic map, the Cretaceous-age Red Bank Sand and Tinton Sand, and the Tertiary-age Hornerstown Sand crop out at the Main Post area. The Red Bank Sand conformably overlies the Navesink Formation and dips to the southeast at 35 feet per mile. The upper member (Shrewsbury) of the Red Bank Sand is a yellowish-gray to reddish brown clayey, medium-to-coarse-grained sand that contains abundant rock fragments, minor mica and glauconite. The lower member (Sandy Hook) is a dark gray to black, medium-to-fine grained sand with abundant clay, mica, and glauconite. The Navesink Formation, which crops out approximately four miles northwest of the Main Post is dark grayish-black clayey glauconitic sand which conformably overlies the Mount Laurel Sand (Versar, 2003).

The Tinton Sand conformably overlies the Red Bank Sand and ranges from a clayey medium to very coarse-grained feldspathic-quartz and glauconite-sand to a glauconitic-coarse sand. The color varies from dark yellowish orange or light brown to moderate brown and from light olive to grayish olive. Glauconite may constitute 60 to 80 percent of the sand fraction in the upper part of the unit. The upper part of the Tinton is often highly oxidized and iron oxide encrusted (Versar, 2003).

The Hornerstown Sand unconformably overlies the Red Bank Sand and dips to the southeast at 50 to 60 feet per mile. The Hornerstown Sand consists of dark green clayey glauconitic sand (Versar, 2003).

The Tertiary-age Kirkwood and Vincentown Formations crop out approximately two miles south of the Main Post. The Vincentown Formation contains a lower member which is a greenish-gray glauconitic sand and an upper member which ranges from sand to clayey limestone. The Kirkwood Formation consists of alternating layers of sand and clay. The Vincentown and Kirkwood Formations dip to the southeast at approximately 20 and 27 feet per mile, respectively (Versar, 2003).

As part of the RAR, soil borings were advanced at the 800, 700, and 400 Areas. The general soil profile for the 800 Area consisted of a layer of topsoil overlying orange-brown, coarse to fine sands to four feet below ground surface (bgs). The general soil profile for the 700 Area consisted of orange-brown, medium to fine sands to eight feet bgs. A clay lens was identified in several borings from approximately two to six feet bgs. The general soil profile for the 400 Area consisted of brown clay to three feet bgs. Below the clay layer was brown to orange sand to a depth of eight feet bgs. The soils identified at the 800, 700, and 400 Areas most closely correlate to the Tinton Sand. Boring logs for the 800, 700, and 400 Areas are provided in Appendix A.

2.2.2 Hydrogeology

Fort Monmouth lies in the Atlantic and Eastern Gulf Coastal Plain groundwater region. This groundwater region is underlain by undeformed, unconsolidated to semi-consolidated sedimentary deposits. The chemistry of the water near the surface is variable with low dissolved solids and high iron concentrations. The water chemistry in areas underlain by glauconitic sediments (such as the Red Bank, Tinton and Hornerstown Sands) is dominated by calcium, magnesium, manganese, aluminum and iron. The sediments in the area of Fort Monmouth were deposited in fluvial-deltaic to near shore environments (Versar, 2003).

The water table aquifer in the Main Post area is identified as part of the "composite confining units," or minor aquifers. The minor aquifers include the Navesink Formation, Red Bank Sand, Tinton Sand, Hornerstown Sand, Vincentown Formation, Manasquan Formation, Shark River Formation, Piney Point Formation and the basal clay of the Kirkwood Formation. These geologic formations comprise a "Composite Confining Bed" for the Wenonah Mount Laurel Aquifer (Versar, 2003).

Wells installed in the Red Bank and Tinton Sands produce two to 25 gallons per minute (gpm). Groundwater is typically encountered at the Main Post and in the surrounding areas at shallow depths below ground surface (two to nine feet bgs). Water in the surficial aquifer generally flows east toward the Atlantic Ocean (Versar, 2003).

Groundwater was encountered in soil borings from the 700 Area at depths of four feet to eight feet bgs and at depths of four feet to five feet bgs in the 400 Area. Groundwater was not encountered in soil borings from the 800 Area, which were advanced to a depth of four feet bgs. Boring logs for the 800, 700, and 400 Areas are provided in Appendix A.

2.2.3 Topography and Surface Drainage

Over the last 80 years, the natural topography of Fort Monmouth has been altered by excavation and filling activities conducted by the military. The land surface at the Main Post is relatively flat and ranges in elevation from approximately four feet above mean sea level (amsl) in the east at Oceanport Creek to 32 feet amsl at the western end of the Main Post, near Highway 35. The eastern half of the Main Post is generally 10 feet amsl in elevation (Versar, 2003).

Surface water runoff from the western part of the Main Post flows into the Lafetra Creek to the north or into the Mill Creek to the south. Both Mill Creek and Lafetra Creek originate off-post. Lafetra Creek forms the northern boundary of the Main Post and joins Mill Creek to form Parkers Creek. Parkers Creek flows eastward along the northern boundary and joins Oceanport Creek east of the Main Post. Most of Parkers Creek, Lafetra Creek and Mill Creek are tidally influenced (Versar, 2003).

3.0 SITE INVESTIGATIONS, REMEDIAL INVESTIGATIONS, AND REMEDIAL ACTIONS

Fort Monmouth DPW and TVS personnel have performed site investigations, remedial investigations, and remedial action activities at the 800, 700, and 400 Areas in support of the future construction activities under the RCI and EUL programs. The actions at the 800, 700, and 400 Areas encompassed the following activities:

- Reviewed historical maps of Fort Monmouth from the 1940s and 1950s to identify potential contaminant sources.
- Performed a geophysical investigation in order to identify, locate, and remove historic USTs at the 800, 700, and 400 Areas; in addition, the geophysical surveys resulted in the detection of non-UST anomalies that were detected and investigated during the course of the project (see Section 3.1.1 for details) (NOTE: Closure reports for each of the USTs will be submitted by Fort Monmouth to the NJDEP separately from this report).
- Investigated and characterized environmental conditions at designated portions of the 800, 700, and 400 Areas.
- Excavated contaminated soils in areas identified through remedial investigation sampling conducted between July 2003 and April 2005.
- Conducted post-excavation soil sampling to evaluate the effectiveness of the remedial action.
- Compared the results of the sampling at the 800 Area with the NJDEP Residential Direct Contact Soil Cleanup Criteria (RDCSCC) listed in Cleanup Standards for Contaminated Sites, N.J.A.C. 7:26D.
- Compared the results of the sampling at the 700 and 400 Areas with the NJDEP Non-Residential Direct Contact Soil Cleanup Criteria (NRDCSCC) listed in Cleanup Standards for Contaminated Sites, N.J.A.C. 7:26D.
- Conducted waste characterization sampling and analyses and off-site disposal of contaminated soils.

The following sections describe these activities.

3.1 THE 800 AREA

Activities associated with the 800 Area are described in the following sections and include a geophysical study and UST closure activities, site investigation activities and a discussion of the contaminants of

Text Omitted unless pertaining to 700 Area

As shown on Table 1 and Figure 3, a total of six areas of concern (AOC's) were identified during the initial site investigation around seven sample locations: 800-19, 800-32, 800-35, 800-39, 800-44, 800-45, and 800-75 (NOTE: Because samples 800-39 and 800-44 were adjacent to each other, the contamination was treated as one area for remediation [excavation] purposes). Six rounds of soil borings and collection of 85 delineation samples were performed during the RI phase around the location of the contaminated soil samples identified during the site investigation in order to establish the horizontal and vertical extent of the contamination (see Tables 4 through 9 and Figures 4a and 4b). Subsequent to completion of the RI delineation sampling, three rounds of remedial excavation and post-excavation sampling were conducted at the 800 Area (see Table 10 and Figures 5a and 5b). A total of 271 delineation and post-excavation samples and 6 field duplicate samples were collected throughout the 800 Area. A total of 226 samples with SVOC, pesticide/PCB, and arsenic concentrations less than the RDCSCC were collected throughout the 800 Area. All areas where delineation samples indicated concentrations greater than the RDCSCC were excavated during the remedial action. Therefore, it is recommended that the NJDEP issue a No Further Action letter for the SVOC, pesticide/PCB, and arsenic contamination for the 800 Area.

3.2 THE 700 AREA

Activities associated with the 700 Area are described in the following sections and included a geophysical study and UST closure activities, site investigation activities and a discussion of the contaminants of concern that were found, remedial investigation activities, and remedial actions.

3.2.1 Geophysical Survey and UST Closure Activities

A review of historical maps for the Fort Monmouth Main Post revealed that prior to the 1970s approximately 30 barracks buildings occupied an area of approximately 12 acres within the designated 700 Area. According to one utility map, most of these buildings were supplied by a 1000-gallon #2 fuel oil UST for heating purposes. No records were available to indicate whether these tanks were removed during the demolition of the barracks buildings which occurred in the 1960s. In an effort to identify remaining USTs and/or buried debris beneath the 700 Area, a geophysical study was performed. Between October 6, 2003 and October 8, 2003, Enviroscan conducted a geophysical survey of the 700 Area. A copy of this report is provided as Appendix D.

The first component of the field effort involved an EM terrain conductivity/metal detector survey of the entire site. The EM data were examined for strong, laterally restricted anomalies of the type consistent

with potential USTs. GPR scanning was then performed in order to further characterize specific targets and areas identified in the EM survey.

Both the terrain conductivity and inphase data displayed linear, orthogonal anomalies of the type consistent with underground utilities and/or foundation remnants. The presence of these, as well as ubiquitous, small shallow targets (consistent with miscellaneous debris) was confirmed with GPR. High-amplitude, parabolic anomalies of the type consistent with USTs were not detected at any of the EM survey anomaly locations, nor elsewhere along the GPR profiles (Enviroscan, 2003b); however, four anomalies were subsequently confirmed as historic USTs in the 700 Area. Between March 2004 and December 2004, a total of four 1,000-gallon, heating oil USTs were removed from the 700 Area. A fifth heating oil UST was identified and removed in December 2004 from the west side of the 700 Area along Wilson Ave. Historically, these USTs supplied fuel for surrounding residential barracks. Two of the tank locations indicated releases and excavation of impacted soils was performed as required; for further information, see the UST closure reports prepared by Fort Monmouth DPW/TVS for separate submission to the NJDEP.

The two releases were reported to the NJDEP and the NJDEP assigned the following Case Numbers for the releases identified at the 700 Area:

- Case # 04-04-05-1357-41
- Case # 04-04-14-1304-04

3.2.2 Site Investigation

Between February 3 and February 26, 2004, Fort Monmouth DPW and TVS conducted an investigation in support of future administrative building construction under EUL at the 700 Area. This investigation consisted of the advancement of soil borings, using direct-push technology, spaced in a grid oriented approximately 100 feet apart. A total of 49 soil borings were advanced within the 700 Area during the SI. Soil borings were advanced to a depth of eight feet bgs. Soil samples collected at 0 to 6 inches bgs were analyzed for SVOCs + 15 parameters, pesticides, PCBs, TPHC, and TAL metals. Soil samples from 18 to 24 inches bgs were analyzed for VOCs + 15 parameters. The soil from the borings was screened with a PID for indications of TPHC contamination; soil samples were collected at 0 to 6 inches bgs at all locations. In most cases, a second soil sample was collected at varying depths below 2.0’ bgs for TPHC based on the PID screening at each of the borings. A total of 147 samples were collected (Figure 6). A

sample program summary table is presented as Table 12. Pursuant to the intended use of the 700 Area, the laboratory analytical results were compared to the NRDCSCC.

Samples from two boring locations (B30 [0-0.5] and B49 [0-0.5]) had concentrations of SVOCs above the NRDCSCC; in addition, samples from borings B9 (0-0.5) and B14 (0-0.5) contained concentrations of the pesticide Heptachlor above the NRDCSCC (NOTE: Per the scope of work for this project, the report was prepared to cover the excavation and sampling activities performed to remediate the SVOC contamination at B30 and B49; Fort Monmouth indicated that no remediation of those areas was required [see Section 3.2.4 for further evaluation of pesticide contamination]). The soil samples with exceedances are presented in Table 13. These were considered the COCs for the 700 Area. The sample locations and SVOC concentrations are shown on Figure 6. A copy of the laboratory analytical report is included in Appendix E.

The areas where contamination was detected did not coincide with the anomalous targets identified during the geophysical survey. Historical data was reviewed by DPW personnel to assess potential sources of these COC's. The SVOCs may be present from the breakdown of petroleum-based products historically used as a delivery matrix during normal application of pesticides to grass areas around the barracks. The Heptachlor exceedences indicate anomalous occurrences. No other potential sources were identified. An RI and remedial action was conducted in each of the areas to delineate and remove the contaminated soils that were identified. Section 3.2.3 below discusses the COC's identified and Section 3.2.4 below describes the RI and RA performed.

3.2.3 Contaminants of Concern

As stated in the preceding paragraphs, four borings were found to contain concentrations of contaminants above the NRDCSCC. Based on the results of the site investigation sampling, SVOCs and pesticides were considered to be the only COCs for the 700 Area (no other analytes were detected above the NJDEP NRDCSCC). The following paragraphs present the results of the COCs.

The SVOC benzo(a)pyrene was detected above the NJDEP NRDCSCC criteria. The NJDEP NRDCSCC criteria for this SVOC is 0.66 mg/kg. The concentrations of benzo(a)pyrene detected that exceeded the criteria ranged from 1.5 mg/kg at boring 700-B49 to 2.8 mg/kg at boring 700-B30.

The pesticide Heptachlor was detected above the NJDEP NRDCSCC criteria of 0.65 mg/kg during the

site investigation sampling at two locations. The concentration of Heptachlor was 8.1 mg/kg at boring 700-B9 and 7.9 mg/kg at boring 700-B14.

3.2.4 Remedial Investigation and Remedial Action

From March 2004 to November 2004, Fort Monmouth DPW and TVS conducted a remedial investigation and remedial action of the 700 Area that included delineation of contaminated soils identified during the site investigation and excavation and disposal of the contaminated soils.

Soil borings performed during the RI were advanced around the location of the two soil samples that were identified as contaminated with SVOCs during the site investigation, followed by the collection of delineation samples (Figure 7). Any areas where the concentration in the delineation samples exceeded the NRDCSCC were stepped-out horizontally and re-sampled (NOTE: The samples collected for vertical delineation below the location of the original samples were below the RDCSCC and, therefore, did not require additional sampling to establish the vertical extent of the contamination). This procedure was continued until all delineation samples had concentrations that were below the NRDCSCC. A total of two rounds of delineation sampling were performed. A total of 16 samples were collected during the RI (see Table 12: Sample Program Summary – 700 Area). Subsequent to the completion of the delineation sampling for the SVOC contamination at the 700 Area, excavation and post-excavation sampling were conducted at the 700 Area. One round of excavation and post-excavation sampling were conducted at the 700 Area. The RI and RA sampling are discussed in the following paragraphs. The laboratory analytical data for all of the sampling rounds conducted at the 700 Area is presented in Appendix E. Samples collected for QA/QC purposes pursuant to NJDEP Technical Requirements for Site Remediation (N.J.A.C. 7:26E *et al.*) are described in Section 4.0.

The first round of delineation sampling was conducted between March 26, 2004 and April 16, 2004. A total of five soil borings were advanced around each of the two soil boring locations (B30 and B49) identified in the site investigation to contain concentration of SVOCs above the NRDCSCC in order to delineate the extent of contamination. Four soil samples were collected on each side of a 10-foot by 10-foot square area around each of the two boring locations in order to delineate the horizontal extent of contamination and one soil sample was collected directly adjacent to the original borehole at a depth of 12-18 inches bgs to delineate the vertical extent of contamination; in addition, 3 additional samples were collected at a depth of 0-6 inches bgs in the vicinity of sample B49. A total of 13 samples were collected and analyzed for SVOCs and pesticides. Of these, one sample had concentrations of SVOCs exceeding

the NRDCSCC. The soil sample with exceedances is presented in Table 14.

The second sampling round was conducted on April 23, 2004. A total of 3 samples (including a sample from 18-24 inches bgs at the B49 location) were collected and analyzed for SVOCs. None of the samples had concentrations exceeding the NRDCSCC.

The RA consisted of excavation to a depth of 1.0' bgs around the location of sample location 700-B30 and 1.5' bgs around the location of sample location 700-B49 followed by collection of post-excavation (bottom) samples. If there was an exceedance of the NJDEP criteria, additional rounds of (deeper) excavations would be performed and additional post-excavation samples would be collected until the results were below the NRDCSCC. Excavations were performed by a backhoe and all excavated soil was stockpiled pending off-site disposal (see Section 5.0).

The RA excavation to a depth of 1.0' bgs around the location of sample location 700-B30 and 1.5' bgs around sample location 700-B49 was conducted on May 4, 2004. Two post-excavation samples were collected and analyzed for SVOCs (one sample was collected from the bottom of the 700-B30 remedial excavation and the second sample was collected from the bottom of the 700-B49 remedial excavation). Neither sample contained SVOC concentrations exceeding the NRDCSCC. The soil sample results are presented in Table 15.

As stated above in Section 3.2.2, during the site investigation at the 700 Area, exceedances of the pesticide Heptachlor at concentrations of 8.1 mg/kg and 7.9 mg/kg were revealed at the locations of borings B-9 and B-14, respectively. Per the report entitled, "Findings and Recommendations for the Remediation of Historic Pesticide Contamination" prepared by the Historic Pesticide Contamination Task Force for the NJDEP in March 1999, Heptachlor was a commercial pesticide used for routine agricultural applications from the early 1950's through 1988. Though the majority of the report dealt with Arsenic, Lead, and DDT contamination as a result of historic pesticide use, Heptachlor was discussed and will not require remediation due to the fact that the exceedances are only one order of magnitude above the NJDEP NRDCSCC. In addition, the Army interpretation of the applicable environmental regulations was that no remediation is required for pesticide contamination that results from the routine application of pesticides to landscaped areas. Lastly, because the 700 area will be used for non-residential purposes and the exceedances occurred at only two locations within a 49-boring sampling grid, it is believed that no remediation of the two locations is required.

As shown on Table 12 and Figure 6, a total of four AOC's were identified during the initial site investigation around four sample locations: 700-B9, 700-B14, 700-B30, and 700-B49. Two rounds of soil borings and collection of delineation samples were performed during the RI phase around the location of the two soil samples identified as containing concentrations of SVOCs above the NRDCSCC during the site investigation in order to establish the horizontal and vertical extent of the contamination (see Table 14 and Figure 7). Subsequent to completion of the RI delineation sampling, one round of remedial excavation and post-excavation sampling were conducted at the 700 Area (see Tables 15 and Figure 8). A total of 160 delineation and post-excavation and 9 field duplicate samples were collected throughout the 700 Area. A total of 158 samples with SVOC and pesticide concentrations less than the NRDCSCC were collected throughout the 700 Area. All areas where samples indicated SVOC concentrations greater than the NRDCSCC were excavated during the remedial action. Regarding the Heptachlor exceedances found at two boring locations, as stated in the paragraph above, it is believed that no remediation of the two locations is required for pesticide contamination that results from the routine application of pesticides to landscaped areas. Therefore, it is recommended that the NJDEP issue a No Further Action letter for SVOC and pesticide contamination at the 700 Area.

3.3 THE 400 AREA

Activities associated with the 400 Area are described in the following sections and included a geophysical study and UST closure activities, site investigation activities and a discussion of the contaminants of concern that were found, remedial investigation activities, and remedial actions.

3.3.1 Geophysical Survey and UST Closure Activities

A review of historical maps for the Fort Monmouth Main Post revealed that prior to the 1970s approximately 75 barracks buildings occupied an area of approximately 33 acres within the designated 400 Area. According to one utility map, most of these buildings were supplied by a 1000-gallon #2 fuel oil UST for heating purposes. No records were available to indicate whether these tanks were removed during the demolition of the barracks buildings which occurred in the 1960s. In an effort to identify remaining USTs and/or buried debris beneath the 400 Area, a geophysical study was performed. In June 2004 through August 2004, Enviroscan conducted a geophysical survey of the 400 Area. A copy of this report is provided as Appendix F.

The first component of the field effort involved an electromagnetic (EM) terrain conductivity/metal

Text omitted unless pertaining to 700 Area

4.0 QUALITY ASSURANCE AND QUALITY CONTROL

This section describes the quality assurance and quality control (QA/QC) program that was followed during implementation of the remedial action. Sampling activities conducted during the remedial action were performed in accordance with the NJDEP Field Sampling Procedures Manual (NJDEP 1992). Quality assurance measures are listed here and described in more detail below:

- All samples were analyzed by a certified laboratory. All samples were shipped to the Fort Monmouth Environmental Testing Lab (NJDEP Certification No. 13461; New York State Department of Health [NYSDOH] Certification No. 11699).
- Collection and analyses of field duplicate samples
- Laboratory data validation
- Electronic management of analytical results

During the course of conducting the remedial actions, a total of 24 field samples and associated duplicate samples were collected (six in the 800 Area, nine in the 700 Area, nine in the 400 Area). These sample pairs are summarized below:

- The 800 Area sample identifications: 800-39D2 0-6”/Duplicate; 800-45C 0-6”/Duplicate; 800-44E3 0-6”/Duplicate; 800-39/44PX2 /Duplicate; 800-39/44PX8 /Duplicate; and 800-39/44PX16/Duplicate
- The 700 Area sample identifications: B1 0-6”/Duplicate 0-6”; B1 18-24”/Duplicate 18-24”; B1 48”/Duplicate 48”; B21/ Duplicate 0-6”; B21 18-24”/ Duplicate 18-24”; B21 60”/ Duplicate 60”; B11 0-6”/Duplicate 0-6”; B11 18-24”/Duplicate 18-24”; and B11 36”/Duplicate 36”
- The 400 Area sample identifications: B10 0-6”/Dupe 0-6”; B10 18-24”/Dupe 18-24”; B10 4.5-5’/Dupe 4.5-5’; B7/12-18”/DUP; B14/12-18”/DUP; B7C 18-24”/Dupe; B7F1 0-6”/Duplicate; 400B15-PX1/400B15-Duplicate; and 400B7-PX3/Duplicate

The total ratio of duplicate to environmental samples is approximately 1 in 23; the NJDEP requires one duplicate per 20 environmental samples. The ratio of duplicate to environmental samples for the 700 Area is about 1 in 18 and for the 400 Area is about 1 in 14; however, the ratio of duplicate to environmental samples for the 800 Area is about 1 in 45. The Fort Monmouth DPW Environmental Office has indicated, however, that due to the limited size of the main excavation in the 800 Area (around boring locations 800-39 and 800-44) and the fact that the total number of samples collected was far

greater than required by the NJDEP Technical Requirements for Site Remediation (N.J.A.C. 7:26E *et al*.), it is believed that the quality assurance of the field sampling was adequate.

Pursuant to N.J.A.C. 7:26E Subchapter 2, the Fort Monmouth Environmental Testing Lab performed data validation of the samples analyzed for this project. As such, the analytical results received from the Fort Monmouth Environmental Testing Lab in the HAZSITE electronic data deliverables format were deemed useable and reliable as submitted or qualified. Information on laboratory quality controls including but not limited to method blanks, matrix spikes (MS) and matrix spike duplicates (MSD) are included in each laboratory data package. The laboratory authentication statements certifying the results, laboratory performance standards and compliance with quality control requirements specified in N.J.A.C. 7:18 and 40 CFR Part 136 for water and waste water analyses and SW-846 for solid waste analyses are also included in each laboratory data package. Consistent with its scope of work for this project, Tetra Tech did not complete any independent data validation activities.

Electronic data management enhances the QA/QC of analytical data during preparation of summary tables that are used to determine whether a sample result exceeds the NJDEP RDCSCC or NRDCSCC. It also enhances the QA/QC and reliability of sample coordinates provided in the NJDEP HAZSITE deliverables. The following describes the QA/QC procedure and electronic data management from the laboratory to the report summary tables and HAZSITE deliverables.

- All analytical data is maintained in a Microsoft Access database that was developed to meet the specifications of the NJDEP Electronic Data Deliverables (HAZSITE) program. Completed electronic deliverables in a HAZSITE-compatible format are provided by the Fort Monmouth Environmental Testing Lab and imported into the Access database. Various query and reporting functions have been built into the database to allow automated extraction, analysis and reporting of laboratory results to assist in report preparation.

- Sample locations are maintained in an AutoCad (CAD) file that has been geo-rectified to the New Jersey State Plane Feet coordinate system (NAD83). The sample locations and coordinates were provided by the DPW. The coordinates of the sample locations were imported into the CAD file. Once imported, the locations of the sample points and excavation boundaries in the CAD file were then verified by DPW/TVS personnel to ensure they were properly located.

5.0 WASTE CHARACTERIZATION AND DISPOSAL

In excess of 2,000 tons of contaminated soil exceeding the applicable regulatory criteria (both RDCSCC and NRDCSCC) were excavated from the 800, 700, and 400 Areas of the Main Post. The contaminated soils were stockpiled and managed in accordance with NJDEP regulations and guidelines. All contaminated soil exceeding the regulatory criteria from the 800 Area and some of the contaminated soil from the 700 and 400 Areas has been shipped from Fort Monmouth for disposal.

As of December 2004, 1,807 tons of soil has been characterized and disposed of by the U.S. Army, Fort Monmouth Directorate of Public Works (DPW), and its subcontractor, ONYX Environmental Services. In March 2004, 841 tons of SVOC contaminated soil was transported and disposed. In March and April 2004, 788 tons of ID-27/pesticide contaminated soil was transported and disposed. In October 2004, 178 tons of PCB contaminated soil from the 400 Area was transported and disposed. All of these batches of soil were transported to Model City, New York for disposal. In May 2005, 413 tons of petroleum/SVOC contaminated soils from the 400 Area excavations and the 700 Area UST excavations were transported and recycled at Clean Earth of Philadelphia.

The hazardous waste disposal manifests and summary tables for the soil disposal conducted to date are included in Appendix H.

No offsite disposal of water was required during the remedial action. Minor amounts of water generated during equipment decontamination was mixed with the contaminated soils removed from the site.

4.0 REFERENCES

Enviroscan, Inc. (Enviroscan). 2003a. "Geophysical Survey, Buried Construction Debris and UST Detection/Delineation, 33-Acre Area, Fort Monmouth, New Jersey". June.

Enviroscan. 2003b. "Geophysical Survey, Buried Construction Debris and UST Detection/Delineation, 700 Area, Fort Monmouth, New Jersey". November.

Enviroscan. 2004. "Final Report. Geophysical Survey. UST Detection/Delineation, 400 Area, Fort Monmouth, New Jersey". September.

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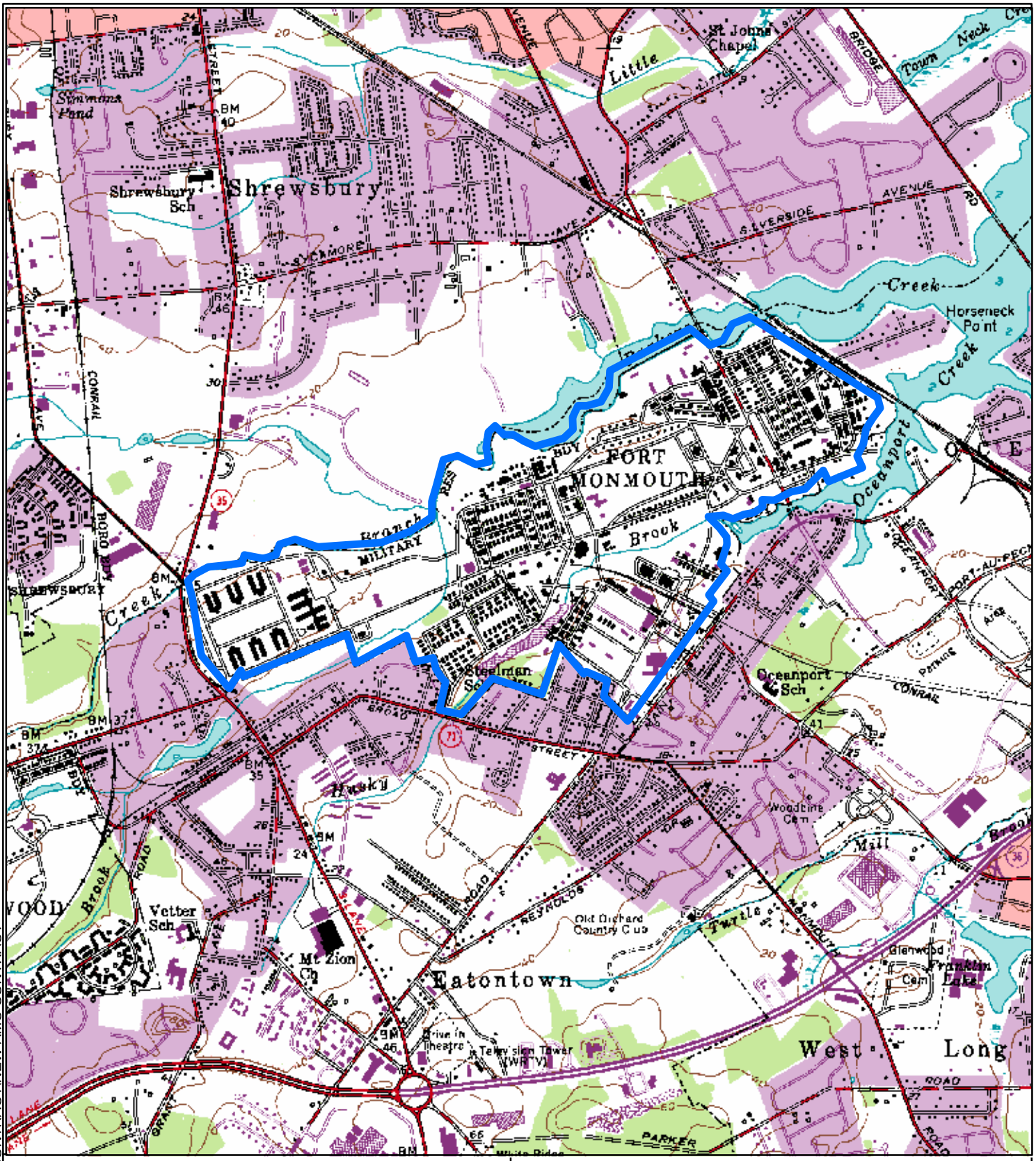
New Jersey Department of Environmental Protection. 1992. "Field Sampling Procedures Manual". May.

New Jersey Geological Survey. 1994. "Geologic Map of New Jersey".

Versar, Inc. 2003. "Final Remedial Investigation Report M-12 Landfill Site, U.S. Army Garrison Fort Monmouth, Fort Monmouth, New Jersey." September.

FIGURES



2,000 1,000 0 2,000 Feet

SOURCE: USGS DIGITAL TOPOQUAD
LONGBRANCH, NJ
1954 - PHOTOREVISED 1981

LEGEND

FTMM Boundary (approx.)

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FIGURE 1

U.S. Army Installation Fort Monmouth Location Map

Fort Monmouth, Eatontown, New Jersey

DATE:	10/04/05
DESIGNED BY:	JR\KJP
SCALE:	AS SHOWN
JOB NO.:	S3152.03
DWG. NO.:	Figure 1

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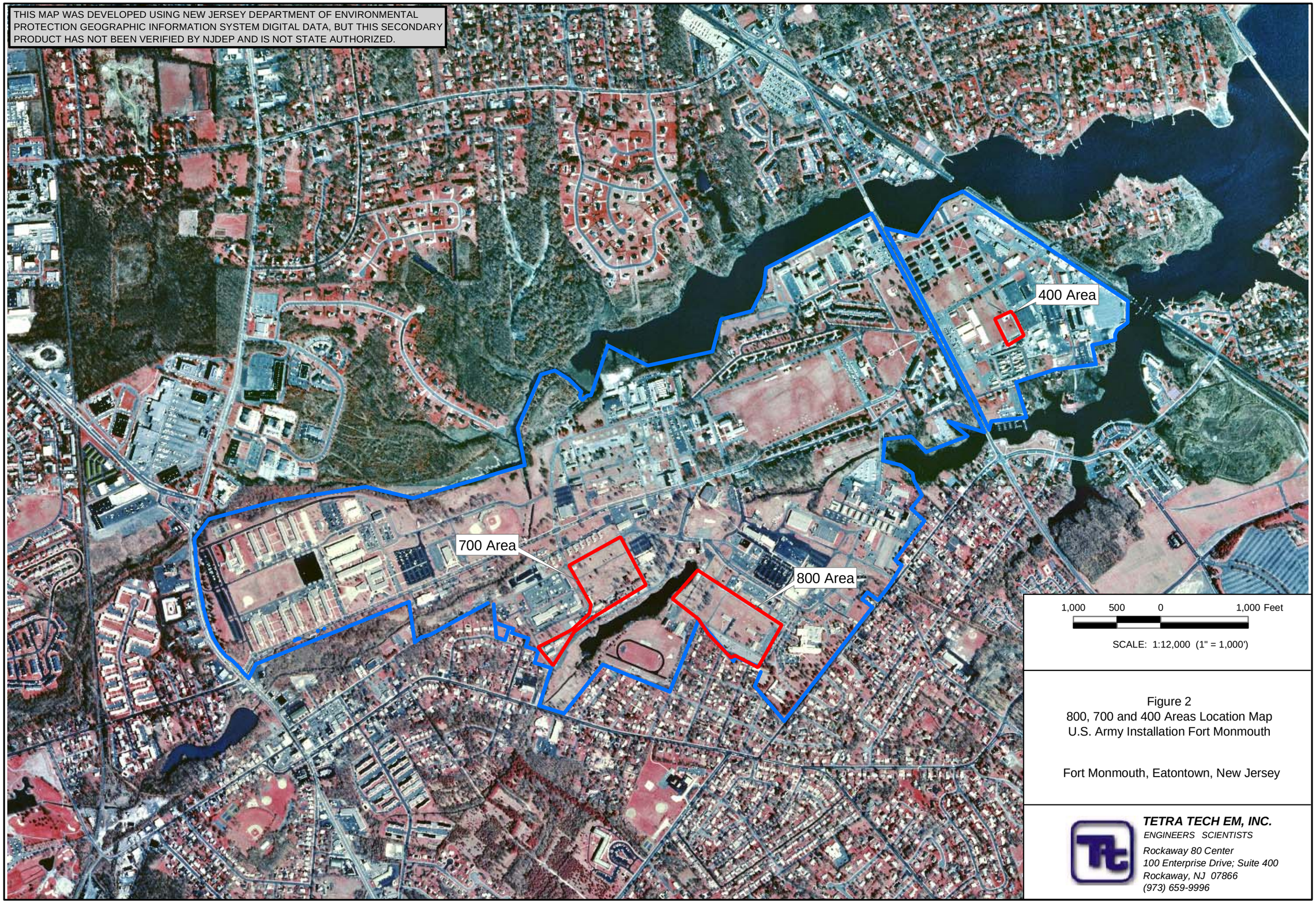
THIS MAP WAS DEVELOPED USING NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION GEOGRAPHIC INFORMATION SYSTEM DIGITAL DATA, BUT THIS SECONDARY PRODUCT HAS NOT BEEN VERIFIED BY NJDEP AND IS NOT STATE AUTHORIZED.



1,000 500 0 1,000 Feet

SCALE: 1:12,000 (1" = 1,000')

Figure 2
800, 700 and 400 Areas Location Map
U.S. Army Installation Fort Monmouth

Fort Monmouth, Eatontown, New Jersey

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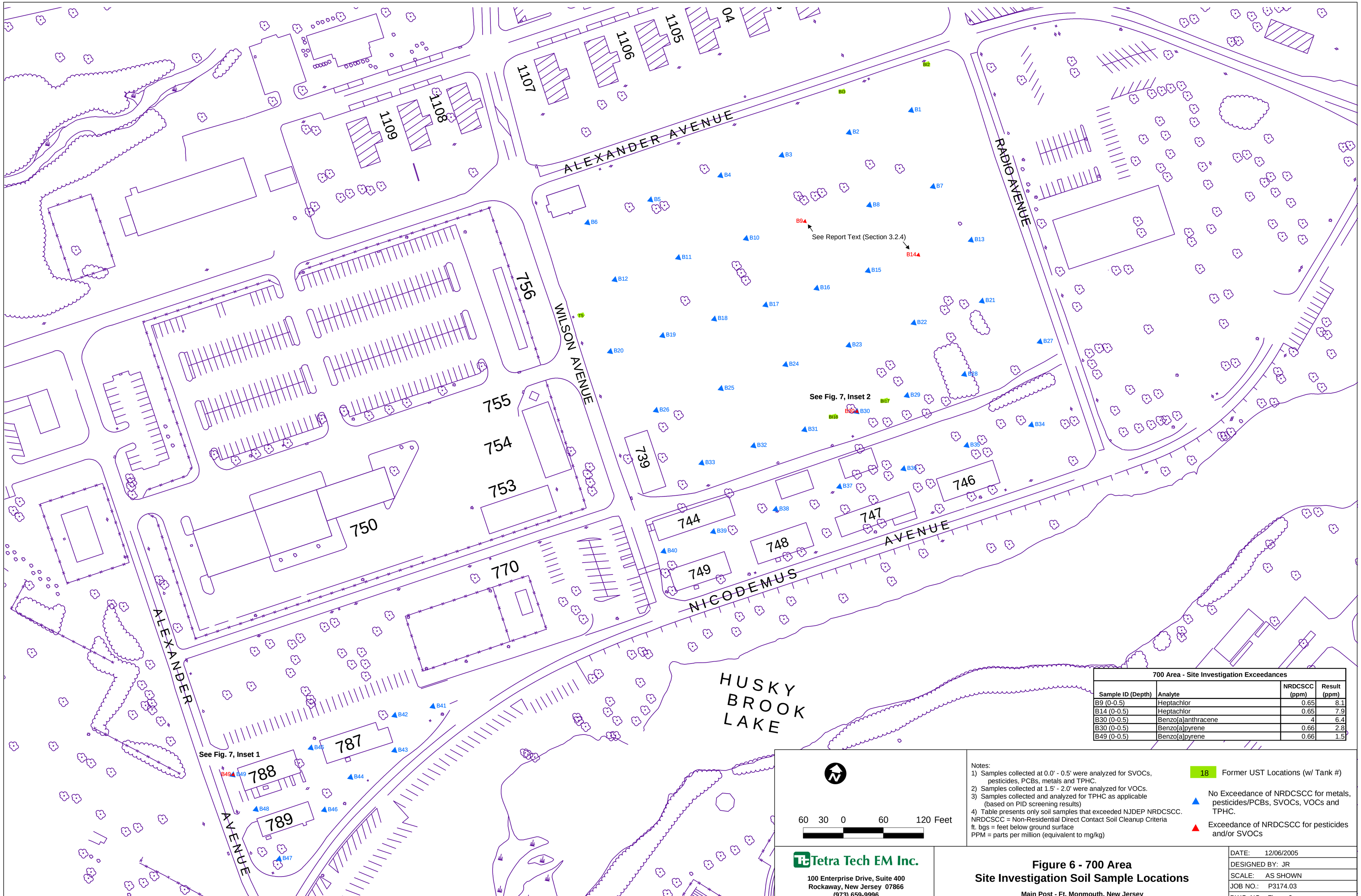

700 Area - Site Investigation Exceedances			
Sample ID (Depth)	Analyte	NRDCSCC (ppm)	Result (ppm)
B9 (0-0.5)	Heptachlor	0.65	8.1
B14 (0-0.5)	Heptachlor	0.65	7.9
B30 (0-0.5)	Benzo[a]anthracene	4	6.4
B30 (0-0.5)	Benzo[a]pyrene	0.66	2.8
B49 (0-0.5)	Benzo[a]pyrene	0.66	1.5

Notes:
1) Samples collected at 0.0' - 0.5' were analyzed for SVOCs, pesticides, PCBs, metals and TPHC.
2) Samples collected at 1.5' - 2.0' were analyzed for VOCs.
3) Samples collected and analyzed for TPHC as applicable (based on PID screening results)
4) Table presents only soil samples that exceeded NJDEP NRDCSCC.
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
ft. bgs = feet below ground surface
PPM = parts per million (equivalent to mg/kg)

18 Former UST Locations (w/ Tank #)

▲ No Exceedance of NRDCSCC for metals, pesticides/PCBs, SVOCs, VOCs and TPHC.

▲ Exceedance of NRDCSCC for pesticides and/or SVOCs

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Figure 6 - 700 Area
Site Investigation Soil Sample Locations
Main Post - Ft. Monmouth, New Jersey

DATE: 12/06/2005
DESIGNED BY: JR
SCALE: AS SHOWN
JOB NO.: P3174.03
DWG. NO.: Figure 6

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Figure 7 - 700 Area
Remedial Investigation Soil Sample Locations
Main Post - Ft. Monmouth, New Jersey

DATE:	12/06/2005
DESIGNED BY:	JR
SCALE:	AS SHOWN
JOB NO.:	P3174.03
DWG. NO.:	Figure 7

Excavation Boundaries - Indicated for reference only (see Figure 8 for post-excavation sample locations)

1' Depth

1.5' Depth

Remedial Investigation Sample - No Exceedance of NRDCSCC for SVOCs

Remedial Investigation Sample - Exceedance of NRDCSCC for SVOCs

Original Site Investigation Sample Location

Sample Round Color Code Scheme
Remedial Investigation - Round 1
Remedial Investigation - Round 2

60 30 0 60 Feet

Notes:
1) Samples collected were analyzed for SVOCs.
2) Table presents only soil samples that exceeded NJDEP NRDCSCC.
3) All samples collected at 0.0' - 0.5', unless otherwise noted.
ft. bgs = feet below ground surface
PPM = parts per million (equivalent to mg/kg)
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria

700 Area - Remedial Investigation Exceedances

Sample ID (Depth)	Analyte	NRDCSCC (ppm)	Result (ppm)
B49 (1-1.5)	Benzo[b]fluoranthene (3,4-Benzofluoranthene)	4	5.7
B49 (1-1.5)	Benzo[a]pyrene	0.66	3.6

Inset 1

Notes:
1) This inset shows only the site investigation sample (B49) that exceeded the NJDEP criteria, and the Remedial Investigation samples collected to delineate the areal extent of contamination.
2) See Figure 8 for post-excavation sample locations.
3) COCs at this location are SVOCs.

0 2 4 8 Feet

B49 (1.0-1.5)
B49A
B49B
B49B1
B49B2
B49C
B49C1
B49C2
B49C3
B49D
Sidewalk
Sidewalk
T-788

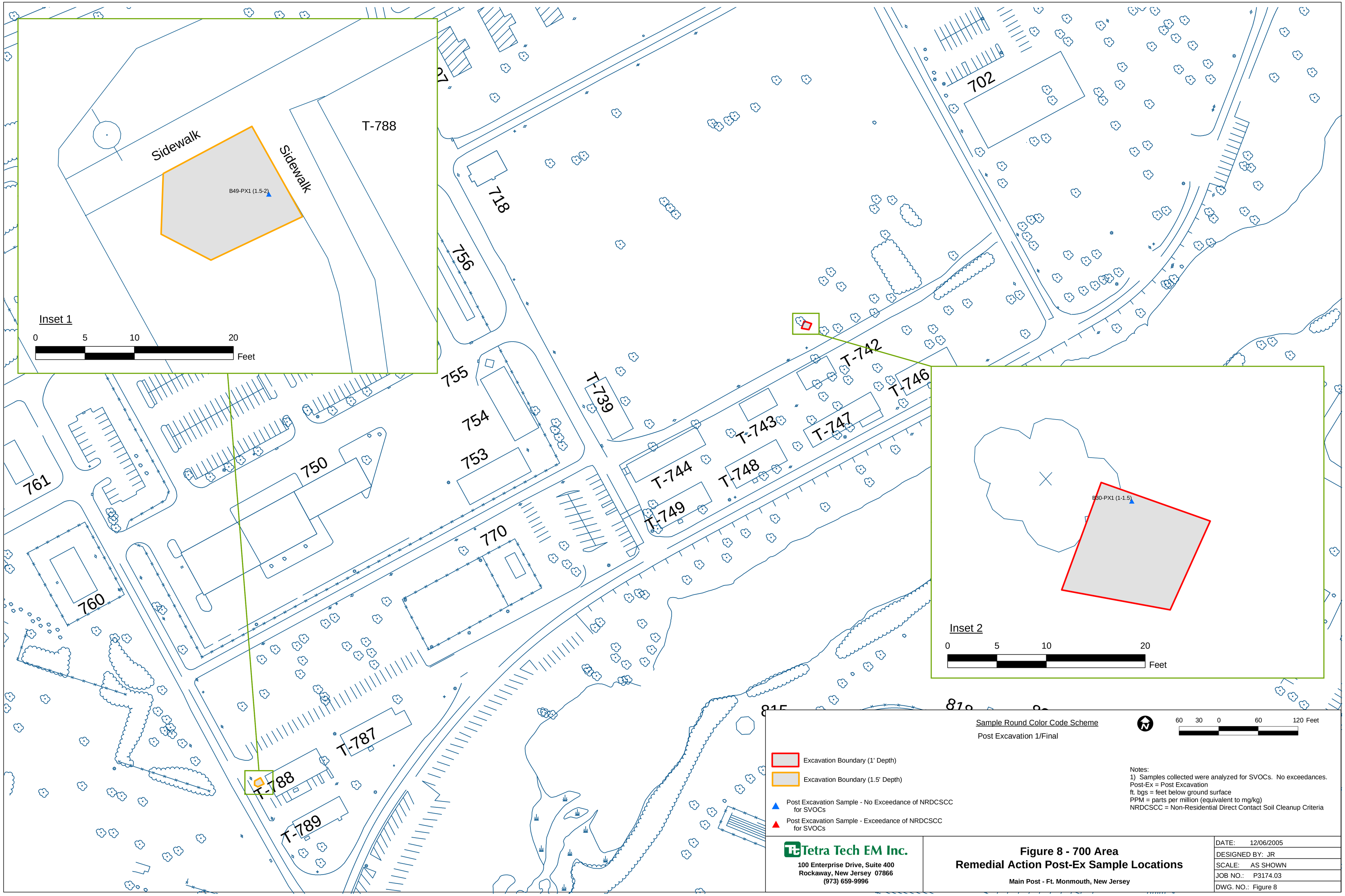
Inset 2

Notes:
1) This inset shows only the site investigation sample (B30) that exceeded the NJDEP criteria, and the Remedial Investigation samples collected to delineate the areal extent of contamination.
2) See Figure 8 for post-excavation sample locations.
3) COCs at this location are SVOCs.

0 2 4 8 Feet

B30 (1.0-1.5')
B30A
B30B
B30C
B30D

T-787
T-788
T-789
T-742
T-743
T-744
T-746
T-747
T-748
T-749
T-739
760
770
750
753
754
755
756
718
702
761
S-1107
SEMAPHO
ALEXANDER AVENUE
WILSON AVENUE
AVENUE
AVENUE


Inset 1
Sidewalk
Sidewalk
T-788
B49-PX1 (1.5-2)
0
5
10
20
Feet
Inset 2
B30-PX1 (1-1.5)
0
5
10
20
Feet
702
718
756
755
754
753
750
761
760
770
T-739
T-742
T-743
T-744
T-746
T-747
T-748
T-749
T-787
T-788
T-789
Sample Round Color Code Scheme
Post Excavation 1/Final
60
30
0
60
120 Feet
Excavation Boundary (1' Depth)
Excavation Boundary (1.5' Depth)
Post Excavation Sample - No Exceedance of NRDCSCC for SVOCs
Post Excavation Sample - Exceedance of NRDCSCC for SVOCs
Notes:
1) Samples collected were analyzed for SVOCs. No exceedances.
Post-Ex = Post Excavation
ft. bgs = feet below ground surface
PPM = parts per million (equivalent to mg/kg)
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
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Rockaway, New Jersey 07866
(973) 659-9996
Figure 8 - 700 Area
Remedial Action Post-Ex Sample Locations
Main Post - Ft. Monmouth, New Jersey
DATE: 12/06/2005
DESIGNED BY: JR
SCALE: AS SHOWN
JOB NO.: P3174.03
DWG. NO.: Figure 8
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TABLES

Table 11
700 Area
Areas of Concern
Fort Monmouth, NJ

Original Exceedance Areas	Initial Site Investigation (SI) Exceedance Location	Contaminant of Concern (COC)	Location
1	(700-)B9	Pesticides (Heptachlor)	Northeast Quadrant of the Open Grass Area bordered by Alexander Avenue to the north, Wilson Avenue to the west, Radio Avenue to the east, and an Unnamed Road to the south
2	(700-)B14	Pesticides (Heptachlor)	Northeast Quadrant of the Open Grass Area bordered by Alexander Avenue to the north, Wilson Avenue to the west, Radio Avenue to the east, and an Unnamed Road to the south
3	(700-)B30	SVOC's	South (Central) Portion of the Open Grass Area bordered by Alexander Avenue to the north, Wilson Avenue to the west, Radio Avenue to the east, and an Unnamed Road to the south
4	(700-)B49	SVOC's	Open Grass Area (Lawn) Adjacent to the Sidewalk Between Building 788 and Alexander Avenue

Table 12 Sample Program Summary - 700 Area

Sample ID	Lab ID	Date Sampled	Sample Depth (feet bgs)	Analytical Parameters
B1	4009602	2/3/2004	0-0.5	TPH, PCBs, Metals, SVOCs, Mercury
B1	4009603	2/3/2004	1.5-2	VOCs
B1	4009604	2/3/2004	1.5-2	TPH
B2	4009608	2/3/2004	0-0.5	Metals, Mercury, PCBs, TPH, SVOCs
B2	4009609	2/3/2004	1.5-2	VOCs
B2	4009610	2/3/2004	1.5-2	TPH
B3	4009611	2/3/2004	0-0.5	PCBs, Metals, SVOCs, TPH, Mercury
B3	4009612	2/3/2004	1.5-2	VOCs
B3	4009613	2/3/2004	1.5-2	TPH
B4	4009614	2/3/2004	0-0.5	Metals, TPH, Mercury, PCBs, SVOCs
B4	4009615	2/3/2004	1.5-2	VOCs
B4	4009616	2/3/2004	1.5-2	TPH
B5	4009617	2/3/2004	0-0.5	Mercury, SVOCs, TPH, Metals, PCBs
B5	4009618	2/3/2004	1.5-2	VOCs
B5	4009619	2/3/2004	1.5-2	TPH
B6	4010902	2/9/2004	0-0.5	Mercury, PCBs, SVOCs, Pest./Herb., Metals, TPH
B6	4010903	2/9/2004	1.5-2	VOCs
B6	4010904	2/9/2004	1.5-2	TPH
B7	4010905	2/9/2004	0-0.5	SVOCs, TPH, Metals, Mercury, PCBs, Pest./Herb.
B7	4010907	2/9/2004	1.5-2	TPH
B7	4010906	2/9/2004	1.5-2	VOCs
B8	4010908	2/9/2004	0-0.5	Metals, TPH, PCBs, SVOCs, Mercury, Pest./Herb.
B8	4010910	2/9/2004	1.5-2	TPH
B8	4010909	2/9/2004	1.5-2	VOCs
B9	4010911	2/9/2004	0-0.5	SVOCs, TPH, Mercury, PCBs, Metals, Pest./Herb.
B9	4010913	2/9/2004	1.5-2	TPH
B9	4010912	2/9/2004	1.5-2	VOCs
B10	4010914	2/9/2004	0-0.5	Pest./Herb., PCBs, Metals, SVOCs, TPH, Mercury
B10	4010916	2/9/2004	1.5-2	TPH
B10	4010915	2/9/2004	1.5-2	VOCs
B12	4010917	2/9/2004	0-0.5	Mercury, PCBs, TPH, SVOCs, Metals, Pest./Herb.
B12	4010919	2/9/2004	1.5-2	TPH
B12	4010918	2/9/2004	1.5-2	VOCs

Table 12 Sample Program Summary - 700 Area

Sample ID	Lab ID	Date Sampled	Sample Depth (feet bgs)	Analytical Parameters
B13	4010920	2/9/2004	0-0.5	Mercury, Pest./Herb., TPH, PCBs, SVOCs, Metals
B13	4010922	2/9/2004	1.5-2	TPH
B13	4010921	2/9/2004	1.5-2	VOCs
B14	4011202	2/10/2004	0-0.5	Mercury, Pest./Herb., SVOCs, Metals, TPH, PCBs
B14	4011203	2/10/2004	1.5-2	VOCs
B14	4011204	2/10/2004	3-3.5	TPH
B15	4011205	2/10/2004	0-0.5	Metals, PCBs, Mercury, TPH, Pest./Herb., SVOCs
B15	4011206	2/10/2004	1.5-2	VOCs
B15	4011207	2/10/2004	3-3.5	TPH
B16	4011208	2/10/2004	0-0.5	TPH, Mercury, Metals, PCBs, Pest./Herb., SVOCs
B16	4011209	2/10/2004	1.5-2	VOCs
B16	4011210	2/10/2004	3-3.5	TPH
B17	4011211	2/10/2004	0-0.5	PCBs, SVOCs, Pest./Herb., TPH, Mercury, Metals
B17	4011212	2/10/2004	1.5-2	VOCs
B17	4011213	2/10/2004	3-3.5	TPH
B18	4011214	2/10/2004	0-0.5	Mercury, TPH, SVOCs, Metals, PCBs, Pest./Herb.
B18	4011215	2/10/2004	1.5-2	VOCs
B18	4011216	2/10/2004	3-3.5	TPH
B19	4011217	2/10/2004	0-0.5	Mercury, Pest./Herb., Metals, SVOCs, PCBs, TPH
B19	4011218	2/10/2004	1.5-2	VOCs
B19	4011219	2/10/2004	3-3.5	TPH
B20	4011220	2/10/2004	0-0.5	Metals, TPH, Pest./Herb., SVOCs, Mercury, PCBs
B20	4011221	2/10/2004	1.5-2	VOCs
B20	4011222	2/10/2004	3-3.5	TPH
B21	4011502	2/11/2004	0-0.5	Pest./Herb., SVOCs, Metals, TPH, PCBs, Mercury
B21	4011503	2/11/2004	1.5-2	VOCs
B21	4011504	2/11/2004	2.5-3	TPH
B22	4011508	2/11/2004	0-0.5	PCBs, Metals, Mercury, TPH, Pest./Herb., SVOCs
B22	4011509	2/11/2004	1.5-2	VOCs
B22	4011510	2/11/2004	2.5-3	TPH
B23	4011511	2/11/2004	0-0.5	Metals, TPH, Pest./Herb., SVOCs, Mercury, PCBs
B23	4011512	2/11/2004	1.5-2	VOCs
B23	4011513	2/11/2004	2.5-3	TPH

Table 12 Sample Program Summary - 700 Area

Sample ID	Lab ID	Date Sampled	Sample Depth (feet bgs)	Analytical Parameters
B24	4011514	2/11/2004	0-0.5	SVOCs, Pest./Herb., PCBs, Mercury, TPH, Metals
B24	4011515	2/11/2004	1.5-2	VOCs
B24	4011516	2/11/2004	2.5-3	TPH
B25	4011517	2/11/2004	0-0.5	PCBs, TPH, SVOCs, Pest./Herb., Metals, Mercury
B25	4011519	2/11/2004	2.5-3	VOCs, TPH
B26	4011520	2/11/2004	0-0.5	TPH, Metals, Mercury, SVOCs, PCBs, Pest./Herb.
B26	4011521	2/11/2004	1.5-2	VOCs
B26	4011522	2/11/2004	2.5-3	TPH
B27	4011702	2/12/2004	0-0.5	TPH, Pest./Herb., Metals, PCBs, SVOCs, Mercury
B27	4011703	2/12/2004	1.5-2	VOCs
B27	4011704	2/12/2004	2.5-3	TPH
B28	4011705	2/12/2004	0-0.5	SVOCs, Mercury, PCBs, Metals, Pest./Herb., TPH
B28	4011706	2/12/2004	1.5-2	VOCs
B28	4011707	2/12/2004	2.5-3	TPH
B29	4011708	2/12/2004	0-0.5	TPH, Mercury, SVOCs, Metals, Pest./Herb., PCBs
B29	4011709	2/12/2004	1.5-2	VOCs
B29	4011710	2/12/2004	2.5-3	TPH
B30	4011711	2/12/2004	0-0.5	Metals, Pest./Herb., PCBs, SVOCs, Mercury
B30	4011712	2/12/2004	1.5-2	VOCs
B30A	4020701	3/26/2004	0-0.5	SVOCs, Pest./Herb.
B30B	4020702	3/26/2004	0-0.5	SVOCs, Pest./Herb.
B30C	4020703	3/26/2004	0-0.5	SVOCs, Pest./Herb.
B30D	4020704	3/26/2004	0-0.5	SVOCs, Pest./Herb.
B31	4011714	2/12/2004	0-0.5	Pest./Herb., PCBs, SVOCs, Mercury, Metals
B31	4011715	2/12/2004	1.5-2	VOCs
B32	4011717	2/12/2004	0-0.5	Metals, PCBs, Pest./Herb., Mercury, SVOCs
B32	4011718	2/12/2004	1.5-2	VOCs
B33	4011720	2/12/2004	0-0.5	PCBs, Mercury, Metals, Pest./Herb., SVOCs
B33	4011721	2/12/2004	1.5-2	VOCs
B34	4011723	2/12/2004	0-0.5	PCBs, Pest./Herb., Metals, SVOCs, Mercury
B34	4011724	2/12/2004	1.5-2	VOCs
B35	4011726	2/12/2004	0-0.5	Pest./Herb., Metals, PCBs, Mercury, SVOCs
B35	4011727	2/12/2004	1.5-2	VOCs

Table 12 Sample Program Summary - 700 Area

Sample ID	Lab ID	Date Sampled	Sample Depth (feet bgs)	Analytical Parameters
B36	4011802	2/13/2004	0-0.5	Pest./Herb., PCBs, Metals, Mercury, SVOCs, TPH
B36	4011803	2/13/2004	1.5-2	VOCs
B36	4011804	2/13/2004	2.5-3	TPH
B37	4011805	2/13/2004	0-0.5	Mercury, Pest./Herb., Metals, SVOCs, TPH, PCBs
B37	4011806	2/13/2004	1.5-2	VOCs
B37	4011807	2/13/2004	2.5-3	TPH
B38	4011808	2/13/2004	0-0.5	SVOCs, Metals, Mercury, Pest./Herb., TPH, PCBs
B38	4011809	2/13/2004	1.5-2	VOCs
B38	4011810	2/13/2004	2.5-3	TPH
B39	4011811	2/13/2004	0-0.5	Metals, PCBs, SVOCs, Pest./Herb., TPH, Mercury
B39	4011812	2/13/2004	1.5-2	VOCs
B39	4011813	2/13/2004	2.5-3	TPH
B40	4011814	2/13/2004	0-0.5	Metals, SVOCs, Pest./Herb., Mercury, TPH, PCBs
B40	4011815	2/13/2004	1.5-2	VOCs
B40	4011816	2/13/2004	7.5-8	TPH
B11	4012102	2/17/2004	0-0.5	Pest./Herb., SVOCs, PCBs, Metals, Mercury, TPH
B11	4012103	2/17/2004	1.5-2	VOCs
B11	4012104	2/17/2004	2.5-3	TPH
B41	4012108	2/17/2004	0-0.5	TPH, SVOCs, PCBs, Mercury, Metals, Pest./Herb.
B41	4012109	2/17/2004	1.5-2	VOCs
B41	4012110	2/17/2004	4.5-5	TPH
B42	4012111	2/17/2004	0-0.5	Pest./Herb., Mercury, PCBs, SVOCs, Metals, TPH
B42	4012112	2/17/2004	1.5-2	VOCs
B42	4012113	2/17/2004	4.5-5	TPH
B43	4012114	2/17/2004	0-0.5	Pest./Herb., Metals, SVOCs, PCBs, Mercury, TPH
B43	4012115	2/17/2004	1.5-2	VOCs
B43	4012116	2/17/2004	6.5-7	TPH
B44	4012117	2/17/2004	0-0.5	TPH, Metals, Mercury, PCBs, Pest./Herb., SVOCs
B44	4012118	2/17/2004	1.5-2	VOCs
B44	4012119	2/17/2004	7.5-8	TPH
B45	4012120	2/17/2004	0-0.5	SVOCs, Mercury, TPH, Metals, PCBs, Pest./Herb.
B45	4012121	2/17/2004	1.5-2	VOCs
B45	4012122	2/17/2004	5.5-6	TPH

Table 12 Sample Program Summary - 700 Area

Sample ID	Lab ID	Date Sampled	Sample Depth (feet bgs)	Analytical Parameters
B46	4012502	2/18/2004	0-0.5	Mercury, TPH, Metals, SVOCs, PCBs, Pest./Herb.
B46	4012503	2/18/2004	1.5-2	TPH, VOCs
B46	4012504	2/18/2004	7.5-8	TPH
B47	4012505	2/18/2004	0-0.5	Metals, Pest./Herb., TPH, PCBs, Mercury, SVOCs
B47	4012506	2/18/2004	1.5-2	VOCs
B48	4012508	2/18/2004	0-0.5	TPH, PCBs, Metals, Mercury, SVOCs, Pest./Herb.
B48	4012509	2/18/2004	1.5-2	VOCs
B49	4012511	2/18/2004	0-0.5	Mercury, Metals, Pest./Herb., PCBs, SVOCs, TPH
B49	4012512	2/18/2004	1.5-2	VOCs
B49A	4020705	3/26/2004	0-0.5	SVOCs, Pest./Herb.
B49B	4020706	3/26/2004	0-0.5	SVOCs, Pest./Herb.
B49C	4020707	3/26/2004	0-0.5	SVOCs, Pest./Herb.
B49D	4020708	3/26/2004	0-0.5	SVOCs, Pest./Herb.
B48	4014301	2/26/2004	5.5-6	TPH
B49	4014302	2/26/2004	5.5-6	TPH
B30	4026001	4/16/2004	1-1.5	SVOCs, Pest./Herb.
B49	4026002	4/16/2004	1-1.5	SVOCs, Pest./Herb.
B49C1	4026003	4/16/2004	0-0.5	Pest./Herb., SVOCs
B49C2	4026004	4/16/2004	0-0.5	SVOCs, Pest./Herb.
B49C3	4026005	4/16/2004	0-0.5	SVOCs, Pest./Herb.
B49	4028801	4/23/2004	1-1.5	SVOCs
B49B1	4028802	4/23/2004	0-0.5	SVOCs
B49B2	4028803	4/23/2004	0-0.5	SVOCs
B30-PX1	4032301	5/4/2004	1-1.5	SVOCs
B49-PX1	4032302	5/4/2004	1.5-2	SVOCs

Table 13 700 Area Site Investigation Exceedances

AOC	Sample ID	Lab ID	Date Sampled	Date Analyzed	Analysis Method	Analyte	Depth	Detection Limit (ppm)	Result (ppm)	Qual.	NRDCSCC (ppm)
700	B30	4011711	2/12/2004	2/23/2004	METHOD 8270	Benzo[a]pyrene	0-0.5	1.3	2.8		0.66
700	B30	4011711	2/12/2004	2/23/2004	METHOD 8270	Benzo[a]anthracene	0-0.5	1.3	6.4		4
700	B49	4012511	2/18/2004	2/26/2004	METHOD 8270	Benzo[a]pyrene	0-0.5	1.3	1.5		0.66

Table 14 700 Area Remedial Investigation Exceedances - Round 1

AOC	Sample ID	Lab ID	Date Sampled	Date Analyzed	Analysis Method	Analyte	Depth	Detection Limit (ppm)	Result (ppm)	Qual.	NRDCSCC (ppm)
700	B49	4026002	4/16/2004	4/20/2004	METHOD 8270	Benzo[b]fluoranthene (3,4-Benz	1-1.5	1.2	5.7		4
700	B49	4026002	4/16/2004	4/20/2004	METHOD 8270	Benzo[a]pyrene	1-1.5	1.2	3.6		0.66

Table 15 700 Area Remedial Action Post Excavation Detects and Exceedances

AOC	Sample ID	Lab ID	Date Sampled	Date Analyzed	Analysis Method	Analyte	Detection Limit (ppm)	Result (ppm)	Qual.	NRDCSCC (ppm)	Result >= Cleanup Criteria
700	B30-PX1	4032301	5/4/2004	5/11/2004	METHOD 8270	Benzoic acid	1.2	0.37	J		No
700	B49-PX1	4032302	5/4/2004	5/11/2004	METHOD 8270	Benzo[a]anthracene	1.1	0.4	J	4	No
700	B49-PX1	4032302	5/4/2004	5/11/2004	METHOD 8270	Phenanthrene	1.1	0.26	J		No
700	B49-PX1	4032302	5/4/2004	5/11/2004	METHOD 8270	Indeno[1,2,3-cd]pyrene	1.1	0.17	J	4	No
700	B49-PX1	4032302	5/4/2004	5/11/2004	METHOD 8270	Fluoranthene	1.1	0.75	J	10000	No
700	B49-PX1	4032302	5/4/2004	5/11/2004	METHOD 8270	Chrysene	1.1	0.44	J	40	No
700	B49-PX1	4032302	5/4/2004	5/11/2004	METHOD 8270	Benzo[k]fluoranthene	1.1	0.18	J	4	No
700	B49-PX1	4032302	5/4/2004	5/11/2004	METHOD 8270	Benzo[g,h,i]perylene	1.1	0.17	J		No
700	B49-PX1	4032302	5/4/2004	5/11/2004	METHOD 8270	Benzo[a]pyrene	1.1	0.37	J	0.66	No
700	B49-PX1	4032302	5/4/2004	5/11/2004	METHOD 8270	Pyrene	1.1	0.67	J	10000	No
700	B49-PX1	4032302	5/4/2004	5/11/2004	METHOD 8270	Benzo[b]fluoranthene (3,4-Benz	1.1	0.5	J	4	No

ATTACHMENT N

Comparison of RCI Area 700 Soil Results with Residential Cleanup Criteria

Contents:

- Data Evaluation Approach for RCI 700 Area
- Figure 6 – 700 Area Site Investigation Soil Sample Locations (Revised)
- Figure 7 – 700 Area Remedial Investigation Soil Sample Locations (Revised)
- Enclosure 1 – Tabulated Summary of Select Analytes
- Enclosure 2 – Analytical Data Sheets

DATA EVALUATION APPROACH FOR RCI 700 AREA

Additional evaluation of the soil data from the 700 Area of the Residential Communities Initiative (RCI) program was performed to support the assessment of Parcel 53 at Fort Monmouth, New Jersey. The following documentation has been attached to support this evaluation:

- Modified Figures 6 and 7 show soil sample locations with remaining exceedances of residential cleanup criteria;
- Enclosure 1 is a tabulated summary of select analytical results that have been compared to residential cleanup criteria; and
- Enclosure 2 includes analytical data sheet backup for the Enclosure 1 tables.

Soil sampling from 49 Geoprobe borings at approximately 100 ft centers was performed in 2004 under the RCI to support an evaluation of privatized housing. Full suite analyses were performed on the soil samples included the following:

- Volatile organic compounds (VOCs) plus tentatively identified compounds (TICs), collected from the 18 to 24-inch below ground surface (bgs) depth interval;
- Semivolatile organic compounds (SVOCs) plus TICs, collected from the 0 to 6-inch bgs depth interval;
- Pesticides and polychlorinated biphenyls (PCBs), collected from the 0 to 6-inch bgs depth interval;
- Target Analyte List (TAL) metals, collected from the 0 to 6-inch bgs depth interval; and
- Total petroleum hydrocarbon compounds (TPHC), collected from the 0 to 6-inch bgs and the 48-inch or deeper depth intervals.

Subsequent to the initial 49 borings, additional sampling for SVOCs and pesticides analyses was performed in step-out samples and post-excavation soil samples from the Boring B30 and B49 areas, which were collected in support of and after soils remediation activities. The soils remediation was performed to remove SVOCs in excess of the non-residential cleanup criteria.

Additional evaluation of the soils analytical data from the 700 Area has been performed to compare the results with the NJDEP Residential Direct Contact Soil Remediation Standards (RDCSRS). The analytical data was obtained largely from Appendix E of the TetraTech (2005) report *Final Remedial Action Report for the 800, 700, and 400 Areas, U.S. Army Installation Fort Monmouth, Fort Monmouth, New Jersey.* Some data was missing from this appendix, and therefore archived data packages from the Fort Monmouth Environmental Testing Laboratory were also reviewed to provide a complete data set. The analytical reports were only available in hard copy or scanned format; therefore, data entry was performed to facilitate screening against the RDCSRSs. However, since a large quantity of analytical data was present, rationale was applied to reduce the effort required for data entry and yet retain the

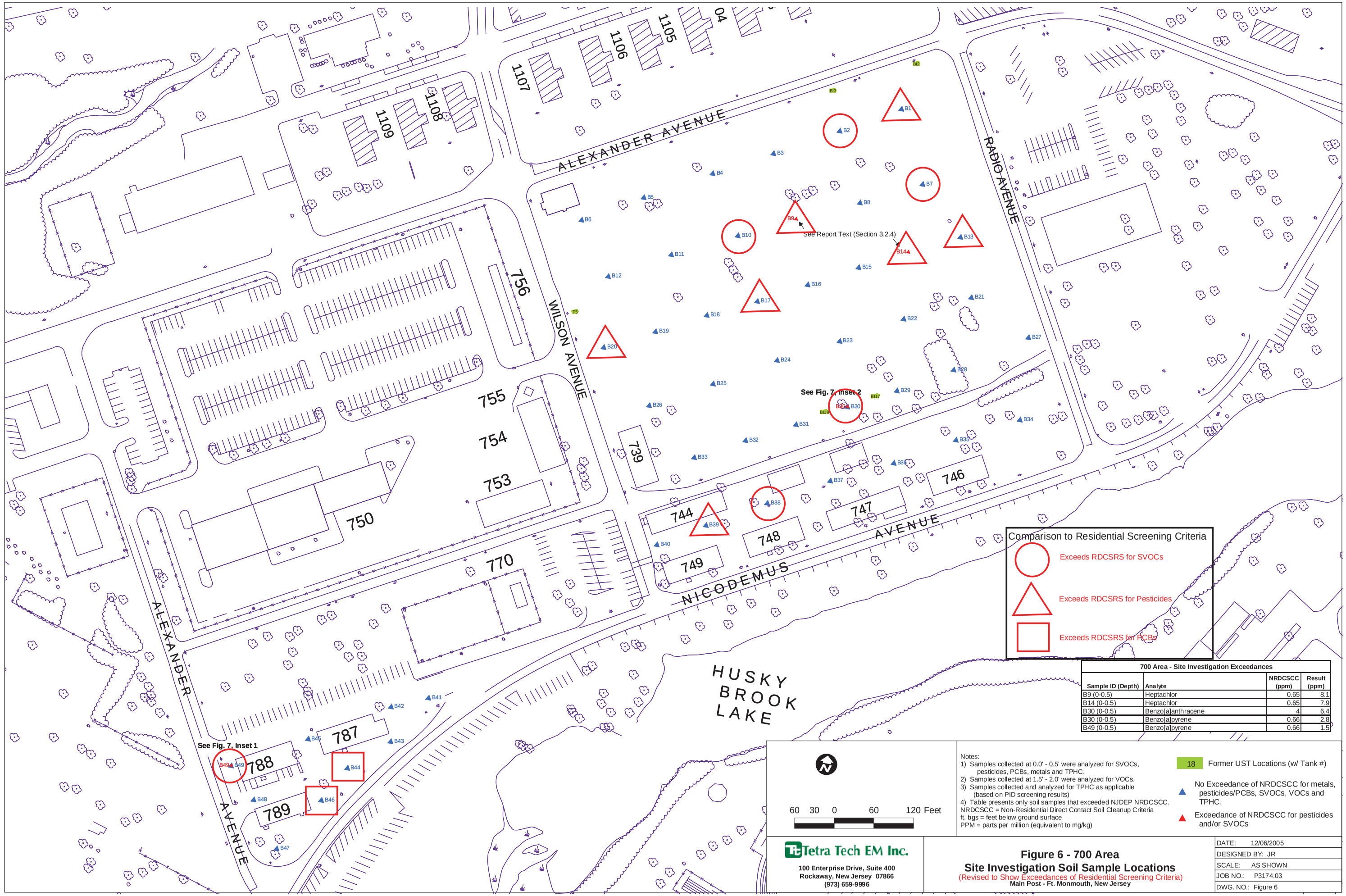
relevant data for the evaluation. The data entry approach for Parcel 53/RCI 700 Area included the following rationale:

- Polyaromatic hydrocarbons (PAHs) (a subset of SVOCs) and pesticides were previously identified as exceeding the non-residential cleanup criteria (specifically in borings B9 and B14 for pesticides, and B30 and B49 for PAHs/SVOCs).Therefore select SVOC and pesticide analytes were re-entered (Enclosure 1).
- Commonly detected analytes within each analyte group (including VOCs, SVOCs, pesticides, PCBs, and TPHC) were compared to the respective RDCSRS, as tabulated below. Analytes with higher RDCSRS criteria were not re-entered due to low likelihood of exceeding the standard.
- Metals were not identified as analytes of concern in the RCI Report and therefore were not evaluated further against the RDCSRSs herein.
- Most detected VOCs were well below the respective RDCSRSs. The VOC chloroform was detected at concentrations ranging from 83J to 190 ug/kg, which are below the RDCSRS of 600 ug/kg. Therefore, VOCs were not re-entered.
- In summary, the analytes described as "Yes" under "Data Entry?" in the table below were re-entered into (Enclosure 1). Analytical data sheets for these analyses, as well as for TPHC and metals, are presented in Enclosure 2 for supplemental information.

SELECT DETECTED ANALYTES IDENTIFIED FOR DATA ENTRY, 700 AREA/PARCEL 53

Analyte	NJDEP RDCSRS	Data Entry?	Unit
Volatile Organic Compounds (VOCs)			
Acetone	70000000	No	ug/kg
Carbon disulfide	7800000	No	ug/kg
Chloroform	600	No	ug/kg
Toluene	6300000	No	ug/kg
Ethylbenzene	7800000	No	ug/kg
Xylenes	12000000	No	ug/kg
Semivolatile Organic Compounds (SVOCs)			
Naphthalene	6000	Yes	ug/Kg
2-Methylnaphthalene	230000	Yes	ug/Kg
Dimethyl phthalate	None	No	ug/Kg
Acenaphthylene	NA	No	ug/Kg
Acenaphthene	3400000	No	ug/Kg
Dibenzofuran	None	No	ug/Kg
Diethyl phthalate	49000000	No	ug/Kg
Fluorene	2300000	No	ug/Kg
Phenanthrene	NA	No	ug/Kg
Anthracene	17000000	No	ug/Kg
Di-n-butyl phthalate	6100000	No	ug/Kg
Fluoranthene	2300000	No	ug/Kg

Pyrene	1700000	No	ug/Kg
Benzo[a]anthracene	600	Yes	ug/Kg
Chrysene	62000	No	ug/Kg
bis (2-ethylhexyl)phthalate	35000	No	ug/Kg
Di-n-octyl phthalate	2400000	No	ug/Kg
Benzo[b]fluoranthene	600	Yes	ug/Kg
Benzo[k]fluoranthene	6000	Yes	ug/Kg
Benzo[a]pyrene	200	Yes	ug/Kg
Indeno[1,2,3-cd]pyrene	600	Yes	ug/Kg
Dibenz(a,h)anthracene	200	Yes	ug/Kg
Benzo[g,h,i]perylene	380000000	No	ug/Kg
Pesticides			
Heptachlor	0.1	Yes	mg/Kg
Heptachlor Epoxide	0.07	Yes	mg/Kg
gamma-Chlordane	0.2	Yes	mg/Kg
alpha-Chlordane	0.2	Yes	mg/Kg
4,4'-DDE	3	Yes	mg/Kg
Dieldrin	0.04	Yes	mg/Kg
4,4'-DDD	2	Yes	mg/Kg
4,4'-DDT	2	Yes	mg/Kg
Polychlorinated Biphenyls (PCBs)			
Aroclor 1260	0.2	Yes	mg/Kg



700 Area - Site Investigation Exceedances

Sample ID (Depth)	Analyte	NRDCSCC (ppm)	Result (ppm)
B9 (0-0.5)	Heptachlor	0.65	8.1
B14 (0-0.5)	Heptachlor	0.65	7.9
B30 (0-0.5)	Benzo[a]anthracene	4	6.4
B30 (0-0.5)	Benzo[a]pyrene	0.66	2.8
B49 (0-0.5)	Benzo[a]pyrene	0.66	1.5

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Figure 6 - 700 Area
Site Investigation Soil Sample Locations
(Revised to Show Exceedances of Residential Screening Criteria)
Main Post - Ft. Monmouth, New Jersey

DATE:	12/06/2005
DESIGNED BY:	JR
SCALE:	AS SHOWN
JOB NO.:	P3174.03
DWG. NO.:	Figure 6

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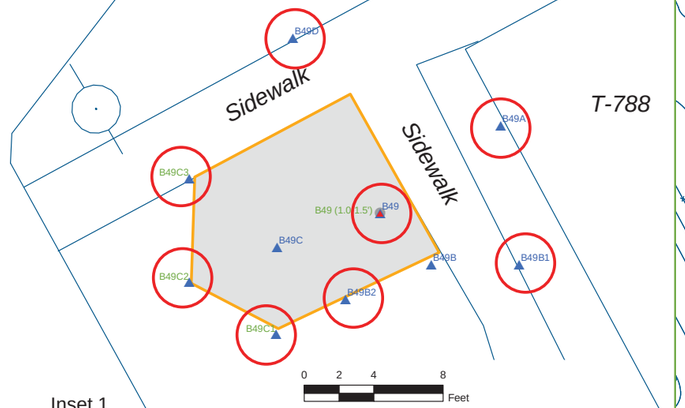
700 Area - Remedial Investigation Exceedances			
Sample ID (Depth)	Analyte	NRDCSCC (ppm)	Result (ppm)
B49 (1-1.5)	Benzo[b]fluoranthene (3,4-Benzofluoranthene)	4	5.7
B49 (1-1.5)	Benzo[a]pyrene	0.66	3.6

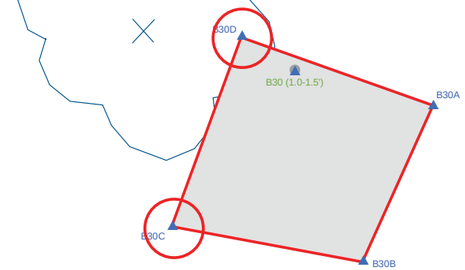
These step-out samples were not analyzed for PCBs



Inset 1

Notes:
1) This inset shows only the site investigation sample (B49) that exceeded the NJDEP criteria, and the Remedial Investigation samples collected to delineate the areal extent of contamination.
2) See Figure 8 for post-excavation sample locations.
3) COCs at this location are SVOCs.

These step-out samples were not analyzed for Pesticides or PCBs



Inset 2

Notes:
1) This inset shows only the site investigation sample (B30) that exceeded the NJDEP criteria, and the Remedial Investigation samples collected to delineate the areal extent of contamination.
2) See Figure 8 for post-excavation sample locations.
3) COCs at this location are SVOCs.

Comparison to Residential Screening Criteria

- Exceeds RDCSRS for SVOCs
- Exceeds RDCSRS for Pesticides
- Exceeds RDCSRS for PCBs

Excavation Boundaries - Indicated for reference only (see Figure 8 for post-excavation sample locations)

- 1' Depth
- 1.5' Depth
- Remedial Investigation Sample - No Exceedance of NRDCSCC for SVOCs
- Remedial Investigation Sample - Exceedance of NRDCSCC for SVOCs
- Original Site Investigation Sample Location

Sample Round Color Code Scheme

- Remedial Investigation - Round 1
- Remedial Investigation - Round 2

60 30 0 60 Feet

Notes:
1) Samples collected were analyzed for SVOCs.
2) Table presents only soil samples that exceeded NJDEP NRDCSCC.
3) All samples collected at 0.0' - 0.5' unless otherwise noted.
ft. bgs = feet below ground surface
PPM = parts per million (equivalent to mg/kg)
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria

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Figure 7 - 700 Area
Remedial Investigation Soil Sample Locations
(Revised to Show Exceedances of Residential Screening Criteria)
Main Post - Ft. Monmouth, New Jersey

DATE:	12/06/2005
DESIGNED BY:	JR
SCALE:	AS SHOWN
JOB NO.:	P3174.03
DWG. NO.:	Figure 7

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ENCLOSURE 1

Tabulated Summary of Select Analytes

Pesticides in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B1	0 to 6"	Heptachlor	***0.1***	0.12	mg/Kg		0.12	RL	0.02	MDL
B1	0 to 6"	Heptachlor Epoxide	***0.07***	0.053	mg/Kg		0.12	RL	0.02	MDL
B1	0 to 6"	gamma-Chlordane	***0.2***	0.15	mg/Kg		0.12	RL	0.02	MDL
B1	0 to 6"	alpha-Chlordane	***0.2***	0.061	mg/Kg		0.12	RL	0.02	MDL
B1	0 to 6"	4,4'-DDE	***2***	0.1	mg/Kg		0.12	RL	0.02	MDL
B1	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL
B1	0 to 6"	4,4'-DDD	***3***	0.051	mg/Kg		0.12	RL	0.02	MDL
B1	0 to 6"	4,4'-DDT	***2***	0.58	mg/Kg		0.12	RL	0.02	MDL
B2	0 to 6"	Heptachlor	***0.1***	0.038	mg/Kg		0.01	RL	0.002	MDL
B2	0 to 6"	Heptachlor Epoxide	***0.07***	0.031	mg/Kg		0.01	RL	0.002	MDL
B2	0 to 6"	gamma-Chlordane	***0.2***	0.11	mg/Kg		0.01	RL	0.002	MDL
B2	0 to 6"	alpha-Chlordane	***0.2***	0.038	mg/Kg		0.01	RL	0.002	MDL
B2	0 to 6"	4,4'-DDE	***2***	0.011	mg/Kg		0.01	RL	0.002	MDL
B2	0 to 6"	Dieldrin	***0.04***	0.0026	mg/Kg		0.01	RL	0.002	MDL
B2	0 to 6"	4,4'-DDD	***3***	0.014	mg/Kg		0.01	RL	0.002	MDL
B2	0 to 6"	4,4'-DDT	***2***	0.022	mg/Kg		0.01	RL	0.002	MDL
B3	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.01	RL	0.002	MDL
B3	0 to 6"	Heptachlor Epoxide	***0.07***	0.0037	mg/Kg		0.01	RL	0.002	MDL
B3	0 to 6"	gamma-Chlordane	***0.2***	0.028	mg/Kg		0.01	RL	0.002	MDL
B3	0 to 6"	alpha-Chlordane	***0.2***	0.056	mg/Kg		0.01	RL	0.002	MDL
B3	0 to 6"	4,4'-DDE	***2***	0.0078	mg/Kg		0.01	RL	0.002	MDL
B3	0 to 6"	Dieldrin	***0.04***	0.0034	mg/Kg		0.01	RL	0.002	MDL
B3	0 to 6"	4,4'-DDD	***3***	0.0061	mg/Kg		0.01	RL	0.002	MDL
B3	0 to 6"	4,4'-DDT	***2***	0.0098	mg/Kg		0.01	RL	0.002	MDL
B4	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.18	RL	0.03	MDL
B4	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.18	RL	0.03	MDL
B4	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.18	RL	0.03	MDL
B4	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.18	RL	0.03	MDL
B4	0 to 6"	4,4'-DDE	***2***	0.046	mg/Kg		0.18	RL	0.03	MDL
B4	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.18	RL	0.03	MDL
B4	0 to 6"	4,4'-DDD	***3***	0.03	mg/Kg		0.18	RL	0.03	MDL
B4	0 to 6"	4,4'-DDT	***2***	0.11	mg/Kg		0.18	RL	0.03	MDL
B5	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.13	RL	0.02	MDL
B5	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.13	RL	0.02	MDL
B5	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL
B5	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL
B5	0 to 6"	4,4'-DDE	***2***	0.89	mg/Kg		0.13	RL	0.02	MDL
B5	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.13	RL	0.02	MDL
B5	0 to 6"	4,4'-DDD	***3***	0.67	mg/Kg		0.13	RL	0.02	MDL
B5	0 to 6"	4,4'-DDT	***2***	2	mg/Kg		0.13	RL	0.02	MDL
B6	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.14	RL	0.02	MDL
B6	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.14	RL	0.02	MDL

Pesticides in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B6	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.14	RL	0.02	MDL
B6	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.14	RL	0.02	MDL
B6	0 to 6"	4,4'-DDE	***2***	0.23	mg/Kg		0.14	RL	0.02	MDL
B6	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.14	RL	0.02	MDL
B6	0 to 6"	4,4'-DDD	***3***	0.067	mg/Kg		0.14	RL	0.02	MDL
B6	0 to 6"	4,4'-DDT	***2***	0.26	mg/Kg		0.14	RL	0.02	MDL
B7	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.12	RL	0.02	MDL
B7	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.12	RL	0.02	MDL
B7	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B7	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B7	0 to 6"	4,4'-DDE	***2***	ND	mg/Kg		0.12	RL	0.02	MDL
B7	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL
B7	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.12	RL	0.02	MDL
B7	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.12	RL	0.02	MDL
B8	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.16	RL	0.03	MDL
B8	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.16	RL	0.03	MDL
B8	0 to 6"	gamma-Chlordane	***0.2***	0.094	mg/Kg		0.16	RL	0.03	MDL
B8	0 to 6"	alpha-Chlordane	***0.2***	0.062	mg/Kg		0.16	RL	0.03	MDL
B8	0 to 6"	4,4'-DDE	***2***	ND	mg/Kg		0.16	RL	0.03	MDL
B8	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.16	RL	0.03	MDL
B8	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.16	RL	0.03	MDL
B8	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.16	RL	0.03	MDL
B9	0 to 6"	Heptachlor	***0.1***	8.1	mg/Kg		0.11	RL	0.02	MDL
B9	0 to 6"	Heptachlor Epoxide	***0.07***	0.66	mg/Kg		0.11	RL	0.02	MDL
B9	0 to 6"	gamma-Chlordane	***0.2***	5.4	mg/Kg		0.11	RL	0.02	MDL
B9	0 to 6"	alpha-Chlordane	***0.2***	1.6	mg/Kg		0.11	RL	0.02	MDL
B9	0 to 6"	4,4'-DDE	***2***	0.3	mg/Kg		0.11	RL	0.02	MDL
B9	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.11	RL	0.02	MDL
B9	0 to 6"	4,4'-DDD	***3***	0.3	mg/Kg		0.11	RL	0.02	MDL
B9	0 to 6"	4,4'-DDT	***2***	0.41	mg/Kg		0.11	RL	0.02	MDL
B10	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.14	RL	0.02	MDL
B10	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.14	RL	0.02	MDL
B10	0 to 6"	gamma-Chlordane	***0.2***	0.068	mg/Kg		0.14	RL	0.02	MDL
B10	0 to 6"	alpha-Chlordane	***0.2***	0.11	mg/Kg		0.14	RL	0.02	MDL
B10	0 to 6"	4,4'-DDE	***2***	ND	mg/Kg		0.14	RL	0.02	MDL
B10	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.14	RL	0.02	MDL
B10	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.14	RL	0.02	MDL
B10	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.14	RL	0.02	MDL
B11	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.12	RL	0.02	MDL
B11	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.12	RL	0.02	MDL
B11	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B11	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B11	0 to 6"	4,4'-DDE	***2***	0.022	mg/Kg		0.12	RL	0.02	MDL

Pesticides in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B11	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL
B11	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.12	RL	0.02	MDL
B11	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.12	RL	0.02	MDL
B12	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.16	RL	0.03	MDL
B12	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.16	RL	0.03	MDL
B12	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.16	RL	0.03	MDL
B12	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.16	RL	0.03	MDL
B12	0 to 6"	4,4'-DDE	***2***	0.034	mg/Kg		0.16	RL	0.03	MDL
B12	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.16	RL	0.03	MDL
B12	0 to 6"	4,4'-DDD	***3***	0.031	mg/Kg		0.16	RL	0.03	MDL
B12	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.16	RL	0.03	MDL
B13	0 to 6"	Heptachlor	***0.1***	0.42	mg/Kg		0.12	RL	0.02	MDL
B13	0 to 6"	Heptachlor Epoxide	***0.07***	0.18	mg/Kg		0.12	RL	0.02	MDL
B13	0 to 6"	gamma-Chlordane	***0.2***	0.39	mg/Kg		0.12	RL	0.02	MDL
B13	0 to 6"	alpha-Chlordane	***0.2***	0.18	mg/Kg		0.12	RL	0.02	MDL
B13	0 to 6"	4,4'-DDE	***2***	0.061	mg/Kg		0.12	RL	0.02	MDL
B13	0 to 6"	Dieldrin	***0.04***	0.027	mg/Kg		0.12	RL	0.02	MDL
B13	0 to 6"	4,4'-DDD	***3***	0.053	mg/Kg		0.12	RL	0.02	MDL
B13	0 to 6"	4,4'-DDT	***2***	0.13	mg/Kg		0.12	RL	0.02	MDL
B14	0 to 6"	Heptachlor	***0.1***	7.9	mg/Kg		0.12	RL	0.02	MDL
B14	0 to 6"	Heptachlor Epoxide	***0.07***	1.1	mg/Kg		0.12	RL	0.02	MDL
B14	0 to 6"	gamma-Chlordane	***0.2***	3.8	mg/Kg		0.12	RL	0.02	MDL
B14	0 to 6"	alpha-Chlordane	***0.2***	1	mg/Kg		0.12	RL	0.02	MDL
B14	0 to 6"	4,4'-DDE	***2***	0.32	mg/Kg		0.12	RL	0.02	MDL
B14	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL
B14	0 to 6"	4,4'-DDD	***3***	0.24	mg/Kg		0.12	RL	0.02	MDL
B14	0 to 6"	4,4'-DDT	***2***	0.7	mg/Kg		0.12	RL	0.02	MDL
B15	0 to 6"	Heptachlor	***0.1***	0.051	mg/Kg		0.12	RL	0.02	MDL
B15	0 to 6"	Heptachlor Epoxide	***0.07***	0.035	mg/Kg		0.12	RL	0.02	MDL
B15	0 to 6"	gamma-Chlordane	***0.2***	0.067	mg/Kg		0.12	RL	0.02	MDL
B15	0 to 6"	alpha-Chlordane	***0.2***	0.072	mg/Kg		0.12	RL	0.02	MDL
B15	0 to 6"	4,4'-DDE	***2***	ND	mg/Kg		0.12	RL	0.02	MDL
B15	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL
B15	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.12	RL	0.02	MDL
B15	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.12	RL	0.02	MDL
B16	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.13	RL	0.02	MDL
B16	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.13	RL	0.02	MDL
B16	0 to 6"	gamma-Chlordane	***0.2***	0.046	mg/Kg		0.13	RL	0.02	MDL
B16	0 to 6"	alpha-Chlordane	***0.2***	0.079	mg/Kg		0.13	RL	0.02	MDL
B16	0 to 6"	4,4'-DDE	***2***	ND	mg/Kg		0.13	RL	0.02	MDL
B16	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.13	RL	0.02	MDL
B16	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.13	RL	0.02	MDL
B16	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.13	RL	0.02	MDL

Pesticides in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B17	0 to 6"	Heptachlor	***0.1***	0.077	mg/Kg		0.13	RL	0.02	MDL
B17	0 to 6"	Heptachlor Epoxide	***0.07***	0.13	mg/Kg		0.13	RL	0.02	MDL
B17	0 to 6"	gamma-Chlordane	***0.2***	0.35	mg/Kg		0.13	RL	0.02	MDL
B17	0 to 6"	alpha-Chlordane	***0.2***	0.12	mg/Kg		0.13	RL	0.02	MDL
B17	0 to 6"	4,4'-DDE	***2***	0.042	mg/Kg		0.13	RL	0.02	MDL
B17	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.13	RL	0.02	MDL
B17	0 to 6"	4,4'-DDD	***3***	0.07	mg/Kg		0.13	RL	0.02	MDL
B17	0 to 6"	4,4'-DDT	***2***	0.094	mg/Kg		0.13	RL	0.02	MDL
B18	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.12	RL	0.02	MDL
B18	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.12	RL	0.02	MDL
B18	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B18	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B18	0 to 6"	4,4'-DDE	***2***	0.059	mg/Kg		0.12	RL	0.02	MDL
B18	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL
B18	0 to 6"	4,4'-DDD	***3***	0.045	mg/Kg		0.12	RL	0.02	MDL
B18	0 to 6"	4,4'-DDT	***2***	0.048	mg/Kg		0.12	RL	0.02	MDL
B19	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.13	RL	0.02	MDL
B19	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.13	RL	0.02	MDL
B19	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL
B19	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL
B19	0 to 6"	4,4'-DDE	***2***	0.033	mg/Kg		0.13	RL	0.02	MDL
B19	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.13	RL	0.02	MDL
B19	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.13	RL	0.02	MDL
B19	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.13	RL	0.02	MDL
B20	0 to 6"	Heptachlor	***0.1***	0.37	mg/Kg		0.15	RL	0.03	MDL
B20	0 to 6"	Heptachlor Epoxide	***0.07***	0.27	mg/Kg		0.15	RL	0.03	MDL
B20	0 to 6"	gamma-Chlordane	***0.2***	0.45	mg/Kg		0.15	RL	0.03	MDL
B20	0 to 6"	alpha-Chlordane	***0.2***	0.2	mg/Kg		0.15	RL	0.03	MDL
B20	0 to 6"	4,4'-DDE	***2***	0.08	mg/Kg		0.15	RL	0.03	MDL
B20	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.15	RL	0.03	MDL
B20	0 to 6"	4,4'-DDD	***3***	0.084	mg/Kg		0.15	RL	0.03	MDL
B20	0 to 6"	4,4'-DDT	***2***	0.11	mg/Kg		0.15	RL	0.03	MDL
B21	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.11	RL	0.02	MDL
B21	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.11	RL	0.02	MDL
B21	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.11	RL	0.02	MDL
B21	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.11	RL	0.02	MDL
B21	0 to 6"	4,4'-DDE	***2***	0.057	mg/Kg		0.11	RL	0.02	MDL
B21	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.11	RL	0.02	MDL
B21	0 to 6"	4,4'-DDD	***3***	0.024	mg/Kg		0.11	RL	0.02	MDL
B21	0 to 6"	4,4'-DDT	***2***	0.21	mg/Kg		0.11	RL	0.02	MDL
B22	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.13	RL	0.02	MDL
B22	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.13	RL	0.02	MDL

Pesticides in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B22	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL
B22	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL
B22	0 to 6"	4,4'-DDE	***2***	ND	mg/Kg		0.13	RL	0.02	MDL
B22	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.13	RL	0.02	MDL
B22	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.13	RL	0.02	MDL
B22	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.13	RL	0.02	MDL
B23	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.13	RL	0.02	MDL
B23	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.13	RL	0.02	MDL
B23	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL
B23	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL
B23	0 to 6"	4,4'-DDE	***2***	ND	mg/Kg		0.13	RL	0.02	MDL
B23	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.13	RL	0.02	MDL
B23	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.13	RL	0.02	MDL
B23	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.13	RL	0.02	MDL
B24	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.13	RL	0.02	MDL
B24	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.13	RL	0.02	MDL
B24	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL
B24	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL
B24	0 to 6"	4,4'-DDE	***2***	ND	mg/Kg		0.13	RL	0.02	MDL
B24	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.13	RL	0.02	MDL
B24	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.13	RL	0.02	MDL
B24	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.13	RL	0.02	MDL
B25	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.12	RL	0.02	MDL
B25	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.12	RL	0.02	MDL
B25	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B25	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B25	0 to 6"	4,4'-DDE	***2***	ND	mg/Kg		0.12	RL	0.02	MDL
B25	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL
B25	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.12	RL	0.02	MDL
B25	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.12	RL	0.02	MDL
B26	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.13	RL	0.02	MDL
B26	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.13	RL	0.02	MDL
B26	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL
B26	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL
B26	0 to 6"	4,4'-DDE	***2***	ND	mg/Kg		0.13	RL	0.02	MDL
B26	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.13	RL	0.02	MDL
B26	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.13	RL	0.02	MDL
B26	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.13	RL	0.02	MDL
B27	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.17	RL	0.03	MDL
B27	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.17	RL	0.03	MDL
B27	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.17	RL	0.03	MDL
B27	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.17	RL	0.03	MDL
B27	0 to 6"	4,4'-DDE	***2***	0.076	mg/Kg		0.17	RL	0.03	MDL

Pesticides in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type	
B27	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.17	RL	0.03	MDL	
B27	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.17	RL	0.03	MDL	
B27	0 to 6"	4,4'-DDT	***2***	0.14	mg/Kg		0.17	RL	0.03	MDL	
B28	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.13	RL	0.02	MDL	
B28	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.13	RL	0.02	MDL	
B28	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL	
B28	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL	
B28	0 to 6"	4,4'-DDE	***2***	0.17	mg/Kg		0.13	RL	0.02	MDL	
B28	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.13	RL	0.02	MDL	
B28	0 to 6"	4,4'-DDD	***3***	0.059	mg/Kg		0.13	RL	0.02	MDL	
B28	0 to 6"	4,4'-DDT	***2***	0.57	mg/Kg		0.13	RL	0.02	MDL	
B29	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.14	RL	0.02	MDL	
B29	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.14	RL	0.02	MDL	
B29	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.14	RL	0.02	MDL	
B29	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.14	RL	0.02	MDL	
B29	0 to 6"	4,4'-DDE	***2***	0.15	mg/Kg		0.14	RL	0.02	MDL	
B29	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.14	RL	0.02	MDL	
B29	0 to 6"	4,4'-DDD	***3***	0.051	mg/Kg		0.14	RL	0.02	MDL	
B29	0 to 6"	4,4'-DDT	***2***	0.24	mg/Kg		0.14	RL	0.02	MDL	
B30	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.13	RL	0.02	MDL	REMOVED
B30	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.13	RL	0.02	MDL	REMOVED
B30	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL	REMOVED
B30	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL	REMOVED
B30	0 to 6"	4,4'-DDE	***2***	0.054	mg/Kg		0.13	RL	0.02	MDL	REMOVED
B30	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.13	RL	0.02	MDL	REMOVED
B30	0 to 6"	4,4'-DDD	***3***	0.03	mg/Kg		0.13	RL	0.02	MDL	REMOVED
B30	0 to 6"	4,4'-DDT	***2***	0.041	mg/Kg		0.13	RL	0.02	MDL	REMOVED
B31	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.13	RL	0.02	MDL	
B31	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.13	RL	0.02	MDL	
B31	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL	
B31	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL	
B31	0 to 6"	4,4'-DDE	***2***	0.087	mg/Kg		0.13	RL	0.02	MDL	
B31	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.13	RL	0.02	MDL	
B31	0 to 6"	4,4'-DDD	***3***	0.057	mg/Kg		0.13	RL	0.02	MDL	
B31	0 to 6"	4,4'-DDT	***2***	0.039	mg/Kg		0.13	RL	0.02	MDL	
B32	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.13	RL	0.02	MDL	
B32	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.13	RL	0.02	MDL	
B32	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL	
B32	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL	
B32	0 to 6"	4,4'-DDE	***2***	0.14	mg/Kg		0.13	RL	0.02	MDL	
B32	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.13	RL	0.02	MDL	
B32	0 to 6"	4,4'-DDD	***3***	0.078	mg/Kg		0.13	RL	0.02	MDL	
B32	0 to 6"	4,4'-DDT	***2***	0.14	mg/Kg		0.13	RL	0.02	MDL	

Pesticides in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B33	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.13	RL	0.02	MDL
B33	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.13	RL	0.02	MDL
B33	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL
B33	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL
B33	0 to 6"	4,4'-DDE	***2***	0.56	mg/Kg		0.13	RL	0.02	MDL
B33	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.13	RL	0.02	MDL
B33	0 to 6"	4,4'-DDD	***3***	0.14	mg/Kg		0.13	RL	0.02	MDL
B33	0 to 6"	4,4'-DDT	***2***	0.28	mg/Kg		0.13	RL	0.02	MDL
B34	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.14	RL	0.02	MDL
B34	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.14	RL	0.02	MDL
B34	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.14	RL	0.02	MDL
B34	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.14	RL	0.02	MDL
B34	0 to 6"	4,4'-DDE	***2***	0.17	mg/Kg		0.14	RL	0.02	MDL
B34	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.14	RL	0.02	MDL
B34	0 to 6"	4,4'-DDD	***3***	0.039	mg/Kg		0.14	RL	0.02	MDL
B34	0 to 6"	4,4'-DDT	***2***	0.082	mg/Kg		0.14	RL	0.02	MDL
B35	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.12	RL	0.02	MDL
B35	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.12	RL	0.02	MDL
B35	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B35	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B35	0 to 6"	4,4'-DDE	***2***	ND	mg/Kg		0.12	RL	0.02	MDL
B35	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL
B35	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.12	RL	0.02	MDL
B35	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.12	RL	0.02	MDL
B36	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.12	RL	0.02	MDL
B36	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.12	RL	0.02	MDL
B36	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B36	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B36	0 to 6"	4,4'-DDE	***2***	0.1	mg/Kg		0.12	RL	0.02	MDL
B36	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL
B36	0 to 6"	4,4'-DDD	***3***	0.039	mg/Kg		0.12	RL	0.02	MDL
B36	0 to 6"	4,4'-DDT	***2***	0.055	mg/Kg		0.12	RL	0.02	MDL
B37	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.14	RL	0.02	MDL
B37	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.14	RL	0.02	MDL
B37	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.14	RL	0.02	MDL
B37	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.14	RL	0.02	MDL
B37	0 to 6"	4,4'-DDE	***2***	0.2	mg/Kg		0.14	RL	0.02	MDL
B37	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.14	RL	0.02	MDL
B37	0 to 6"	4,4'-DDD	***3***	0.051	mg/Kg		0.14	RL	0.02	MDL
B37	0 to 6"	4,4'-DDT	***2***	0.099	mg/Kg		0.14	RL	0.02	MDL
B38	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.12	RL	0.02	MDL
B38	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.12	RL	0.02	MDL

Pesticides in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B38	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B38	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B38	0 to 6"	4,4'-DDE	***2***	0.71	mg/Kg		0.12	RL	0.02	MDL
B38	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL
B38	0 to 6"	4,4'-DDD	***3***	0.16	mg/Kg		0.12	RL	0.02	MDL
B38	0 to 6"	4,4'-DDT	***2***	0.39	mg/Kg		0.12	RL	0.02	MDL
B39	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.11	RL	0.02	MDL
B39	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.11	RL	0.02	MDL
B39	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.11	RL	0.02	MDL
B39	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.11	RL	0.02	MDL
B39	0 to 6"	4,4'-DDE	***2***	2.1	mg/Kg		0.11	RL	0.02	MDL
B39	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.11	RL	0.02	MDL
B39	0 to 6"	4,4'-DDD	***3***	0.49	mg/Kg		0.11	RL	0.02	MDL
B39	0 to 6"	4,4'-DDT	***2***	1.4	mg/Kg		0.11	RL	0.02	MDL
B40	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.13	RL	0.02	MDL
B40	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.13	RL	0.02	MDL
B40	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL
B40	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL
B40	0 to 6"	4,4'-DDE	***2***	0.45	mg/Kg		0.13	RL	0.02	MDL
B40	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.13	RL	0.02	MDL
B40	0 to 6"	4,4'-DDD	***3***	0.16	mg/Kg		0.13	RL	0.02	MDL
B40	0 to 6"	4,4'-DDT	***2***	0.46	mg/Kg		0.13	RL	0.02	MDL
B41	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.12	RL	0.02	MDL
B41	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.12	RL	0.02	MDL
B41	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B41	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B41	0 to 6"	4,4'-DDE	***2***	ND	mg/Kg		0.12	RL	0.02	MDL
B41	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL
B41	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.12	RL	0.02	MDL
B41	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.12	RL	0.02	MDL
B42	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.12	RL	0.02	MDL
B42	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.12	RL	0.02	MDL
B42	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B42	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B42	0 to 6"	4,4'-DDE	***2***	0.024	mg/Kg		0.12	RL	0.02	MDL
B42	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL
B42	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.12	RL	0.02	MDL
B42	0 to 6"	4,4'-DDT	***2***	0.034	mg/Kg		0.12	RL	0.02	MDL
B43	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.12	RL	0.02	MDL
B43	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.12	RL	0.02	MDL
B43	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B43	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B43	0 to 6"	4,4'-DDE	***2***	0.092	mg/Kg		0.12	RL	0.02	MDL

Pesticides in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B43	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL
B43	0 to 6"	4,4'-DDD	***3***	0.02	mg/Kg		0.12	RL	0.02	MDL
B43	0 to 6"	4,4'-DDT	***2***	0.053	mg/Kg		0.12	RL	0.02	MDL
B44	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.11	RL	0.02	MDL
B44	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.11	RL	0.02	MDL
B44	0 to 6"	gamma-Chlordane	***0.2***	0.02	mg/Kg		0.11	RL	0.02	MDL
B44	0 to 6"	alpha-Chlordane	***0.2***	0.045	mg/Kg		0.11	RL	0.02	MDL
B44	0 to 6"	4,4'-DDE	***2***	ND	mg/Kg		0.11	RL	0.02	MDL
B44	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.11	RL	0.02	MDL
B44	0 to 6"	4,4'-DDD	***3***	0.018	mg/Kg		0.11	RL	0.02	MDL
B44	0 to 6"	4,4'-DDT	***2***	0.055	mg/Kg		0.11	RL	0.02	MDL
B45	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.12	RL	0.02	MDL
B45	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.12	RL	0.02	MDL
B45	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B45	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B45	0 to 6"	4,4'-DDE	***2***	ND	mg/Kg		0.12	RL	0.02	MDL
B45	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL
B45	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.12	RL	0.02	MDL
B45	0 to 6"	4,4'-DDT	***2***	0.034	mg/Kg		0.12	RL	0.02	MDL
B46	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.12	RL	0.02	MDL
B46	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.12	RL	0.02	MDL
B46	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B46	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B46	0 to 6"	4,4'-DDE	***2***	0.66	mg/Kg		0.12	RL	0.02	MDL
B46	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL
B46	0 to 6"	4,4'-DDD	***3***	0.22	mg/Kg		0.12	RL	0.02	MDL
B46	0 to 6"	4,4'-DDT	***2***	0.59	mg/Kg		0.12	RL	0.02	MDL
B47	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.13	RL	0.02	MDL
B47	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.13	RL	0.02	MDL
B47	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL
B47	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL
B47	0 to 6"	4,4'-DDE	***2***	0.055	mg/Kg		0.13	RL	0.02	MDL
B47	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.13	RL	0.02	MDL
B47	0 to 6"	4,4'-DDD	***3***	0.02	mg/Kg		0.13	RL	0.02	MDL
B47	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.13	RL	0.02	MDL
B48	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.12	RL	0.02	MDL
B48	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.12	RL	0.02	MDL
B48	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B48	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL
B48	0 to 6"	4,4'-DDE	***2***	ND	mg/Kg		0.12	RL	0.02	MDL
B48	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL
B48	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.12	RL	0.02	MDL
B48	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.12	RL	0.02	MDL

Pesticides in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type	
B49	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.13	RL	0.02	MDL	REMOVED
B49	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.13	RL	0.02	MDL	REMOVED
B49	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL	REMOVED
B49	0 to 6"	alpha-Chlordane	***0.2***	0.062	mg/Kg		0.13	RL	0.02	MDL	REMOVED
B49	0 to 6"	4,4'-DDE	***2***	0.043	mg/Kg		0.13	RL	0.02	MDL	REMOVED
B49	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.13	RL	0.02	MDL	REMOVED
B49	0 to 6"	4,4'-DDD	***3***	0.024	mg/Kg		0.13	RL	0.02	MDL	REMOVED
B49	0 to 6"	4,4'-DDT	***2***	0.058	mg/Kg		0.13	RL	0.02	MDL	REMOVED
B30A	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30A	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30A	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30A	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30A	0 to 6"	4,4'-DDE	***2***	0.34	mg/Kg		0.12	RL	0.02	MDL	
B30A	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30A	0 to 6"	4,4'-DDD	***3***	0.11	mg/Kg		0.12	RL	0.02	MDL	
B30A	0 to 6"	4,4'-DDT	***2***	0.35	mg/Kg		0.12	RL	0.02	MDL	
B30B	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30B	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30B	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30B	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30B	0 to 6"	4,4'-DDE	***2***	0.029	mg/Kg		0.12	RL	0.02	MDL	
B30B	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30B	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30B	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30C	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30C	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30C	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30C	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30C	0 to 6"	4,4'-DDE	***2***	0.04	mg/Kg		0.12	RL	0.02	MDL	
B30C	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30C	0 to 6"	4,4'-DDD	***3***	0.022	mg/Kg		0.12	RL	0.02	MDL	
B30C	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30D	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.13	RL	0.02	MDL	
B30D	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.13	RL	0.02	MDL	
B30D	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL	
B30D	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.13	RL	0.02	MDL	
B30D	0 to 6"	4,4'-DDE	***2***	0.083	mg/Kg		0.13	RL	0.02	MDL	
B30D	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.13	RL	0.02	MDL	
B30D	0 to 6"	4,4'-DDD	***3***	0.077	mg/Kg		0.13	RL	0.02	MDL	
B30D	0 to 6"	4,4'-DDT	***2***	0.15	mg/Kg		0.13	RL	0.02	MDL	
B49A	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.13	RL	0.02	MDL	
B49A	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.13	RL	0.02	MDL	

Pesticides in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type	
B49A	0 to 6"	gamma-Chlordane	***0.2***	0.023	mg/Kg		0.13	RL	0.02	MDL	
B49A	0 to 6"	alpha-Chlordane	***0.2***	0.074	mg/Kg		0.13	RL	0.02	MDL	
B49A	0 to 6"	4,4'-DDE	***2***	0.033	mg/Kg		0.13	RL	0.02	MDL	
B49A	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.13	RL	0.02	MDL	
B49A	0 to 6"	4,4'-DDD	***3***	0.027	mg/Kg		0.13	RL	0.02	MDL	
B49A	0 to 6"	4,4'-DDT	***2***	0.042	mg/Kg		0.13	RL	0.02	MDL	
B49B	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.12	RL	0.02	MDL	REMOVED
B49B	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.12	RL	0.02	MDL	REMOVED
B49B	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL	REMOVED
B49B	0 to 6"	alpha-Chlordane	***0.2***	0.052	mg/Kg		0.12	RL	0.02	MDL	REMOVED
B49B	0 to 6"	4,4'-DDE	***2***	0.035	mg/Kg		0.12	RL	0.02	MDL	REMOVED
B49B	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL	REMOVED
B49B	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.12	RL	0.02	MDL	REMOVED
B49B	0 to 6"	4,4'-DDT	***2***	0.033	mg/Kg		0.12	RL	0.02	MDL	REMOVED
B49C	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.11	RL	0.02	MDL	REMOVED
B49C	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.11	RL	0.02	MDL	REMOVED
B49C	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.11	RL	0.02	MDL	REMOVED
B49C	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.11	RL	0.02	MDL	REMOVED
B49C	0 to 6"	4,4'-DDE	***2***	ND	mg/Kg		0.11	RL	0.02	MDL	REMOVED
B49C	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.11	RL	0.02	MDL	REMOVED
B49C	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.11	RL	0.02	MDL	REMOVED
B49C	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.11	RL	0.02	MDL	REMOVED
B49D	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49D	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49D	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49D	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49D	0 to 6"	4,4'-DDE	***2***	0.047	mg/Kg		0.11	RL	0.02	MDL	
B49D	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49D	0 to 6"	4,4'-DDD	***3***	0.018	mg/Kg		0.11	RL	0.02	MDL	
B49D	0 to 6"	4,4'-DDT	***2***	0.029	mg/Kg		0.11	RL	0.02	MDL	
B30	12" to 16"	Heptachlor	***0.1***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30	12" to 16"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30	12" to 16"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30	12" to 16"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30	12" to 16"	4,4'-DDE	***2***	0.025	mg/Kg		0.12	RL	0.02	MDL	
B30	12" to 16"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30	12" to 16"	4,4'-DDD	***3***	ND	mg/Kg		0.12	RL	0.02	MDL	
B30	12" to 16"	4,4'-DDT	***2***	0.048	mg/Kg		0.12	RL	0.02	MDL	
B49	12" to 16"	Heptachlor	***0.1***	ND	mg/Kg		0.12	RL	0.02	MDL	REMOVED
B49	12" to 16"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.12	RL	0.02	MDL	REMOVED
B49	12" to 16"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL	REMOVED
B49	12" to 16"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.12	RL	0.02	MDL	REMOVED
B49	12" to 16"	4,4'-DDE	***2***	ND	mg/Kg		0.12	RL	0.02	MDL	REMOVED

Pesticides in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type	
B49	12" to 16"	Dieldrin	***0.04***	ND	mg/Kg		0.12	RL	0.02	MDL	REMOVED
B49	12" to 16"	4,4'-DDD	***3***	ND	mg/Kg		0.12	RL	0.02	MDL	REMOVED
B49	12" to 16"	4,4'-DDT	***2***	ND	mg/Kg		0.12	RL	0.02	MDL	REMOVED
B49C1	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C1	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C1	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C1	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C1	0 to 6"	4,4'-DDE	***2***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C1	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C1	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C1	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C2	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C2	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C2	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C2	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C2	0 to 6"	4,4'-DDE	***2***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C2	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C2	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C2	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C3	0 to 6"	Heptachlor	***0.1***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C3	0 to 6"	Heptachlor Epoxide	***0.07***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C3	0 to 6"	gamma-Chlordane	***0.2***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C3	0 to 6"	alpha-Chlordane	***0.2***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C3	0 to 6"	4,4'-DDE	***2***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C3	0 to 6"	Dieldrin	***0.04***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C3	0 to 6"	4,4'-DDD	***3***	ND	mg/Kg		0.11	RL	0.02	MDL	
B49C3	0 to 6"	4,4'-DDT	***2***	ND	mg/Kg		0.11	RL	0.02	MDL	

Select SVOCs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B1	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B1	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B1	0 to 6"	Benzo[a]anthracene	***600***	1200	ug/Kg	U	1200	RL		MDL
B1	0 to 6"	Benzo[b]fluoranthene	***600***	1200	ug/Kg	U	1200	RL		MDL
B1	0 to 6"	Benzo[k]fluoranthene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B1	0 to 6"	Benzo[a]pyrene	***200***	1200	ug/Kg	U	1200	RL		MDL
B1	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL
B1	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL
B2	0 to 6"	Naphthalene	***6000***	1300	ug/Kg	U	1300	RL		MDL
B2	0 to 6"	2-Methylnaphthalene	***230000***	1300	ug/Kg	U	1300	RL		MDL
B2	0 to 6"	Benzo[a]anthracene	***600***	330	ug/Kg	J	1300	RL		MDL
B2	0 to 6"	Benzo[b]fluoranthene	***600***	530	ug/Kg	J	1300	RL		MDL
B2	0 to 6"	Benzo[k]fluoranthene	***6000***	180	ug/Kg	J	1300	RL		MDL
B2	0 to 6"	Benzo[a]pyrene	***200***	370	ug/Kg	J	1300	RL		MDL
B2	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	220	ug/Kg	J	1300	RL		MDL
B2	0 to 6"	Dibenz(a,h)anthracene	***200***	1300	ug/Kg	U	1300	RL		MDL
B3	0 to 6"	Naphthalene	***6000***	1100	ug/Kg	U	1100	RL		MDL
B3	0 to 6"	2-Methylnaphthalene	***230000***	1100	ug/Kg	U	1100	RL		MDL
B3	0 to 6"	Benzo[a]anthracene	***600***	1100	ug/Kg	U	1100	RL		MDL
B3	0 to 6"	Benzo[b]fluoranthene	***600***	230	ug/Kg	J	1100	RL		MDL
B3	0 to 6"	Benzo[k]fluoranthene	***6000***	1100	ug/Kg	U	1100	RL		MDL
B3	0 to 6"	Benzo[a]pyrene	***200***	150	ug/Kg	J	1100	RL		MDL
B3	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1100	ug/Kg	U	1100	RL		MDL
B3	0 to 6"	Dibenz(a,h)anthracene	***200***	1100	ug/Kg	U	1100	RL		MDL
B4	0 to 6"	Naphthalene	***6000***	1800	ug/Kg	U	1800	RL		MDL
B4	0 to 6"	2-Methylnaphthalene	***230000***	1800	ug/Kg	U	1800	RL		MDL
B4	0 to 6"	Benzo[a]anthracene	***600***	1800	ug/Kg	U	1800	RL		MDL
B4	0 to 6"	Benzo[b]fluoranthene	***600***	1800	ug/Kg	U	1800	RL		MDL
B4	0 to 6"	Benzo[k]fluoranthene	***6000***	1800	ug/Kg	U	1800	RL		MDL
B4	0 to 6"	Benzo[a]pyrene	***200***	1800	ug/Kg	U	1800	RL		MDL
B4	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1800	ug/Kg	U	1800	RL		MDL
B4	0 to 6"	Dibenz(a,h)anthracene	***200***	1800	ug/Kg	U	1800	RL		MDL
B5	0 to 6"	Naphthalene	***6000***	1300	ug/Kg	U	1300	RL		MDL
B5	0 to 6"	2-Methylnaphthalene	***230000***	1300	ug/Kg	U	1300	RL		MDL
B5	0 to 6"	Benzo[a]anthracene	***600***	1300	ug/Kg	U	1300	RL		MDL
B5	0 to 6"	Benzo[b]fluoranthene	***600***	1300	ug/Kg	U	1300	RL		MDL
B5	0 to 6"	Benzo[k]fluoranthene	***6000***	1300	ug/Kg	U	1300	RL		MDL
B5	0 to 6"	Benzo[a]pyrene	***200***	1300	ug/Kg	U	1300	RL		MDL
B5	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1300	ug/Kg	U	1300	RL		MDL
B5	0 to 6"	Dibenz(a,h)anthracene	***200***	1300	ug/Kg	U	1300	RL		MDL
B6	0 to 6"	Naphthalene	***6000***	1400	ug/Kg	U	1400	RL		MDL
B6	0 to 6"	2-Methylnaphthalene	***230000***	1400	ug/Kg	U	1400	RL		MDL
B6	0 to 6"	Benzo[a]anthracene	***600***	1400	ug/Kg	U	1400	RL		MDL

Select SVOCs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B6	0 to 6"	Benzo[b]fluoranthene	***600***	1400	ug/Kg	U	1400	RL		MDL
B6	0 to 6"	Benzo[k]fluoranthene	***6000***	1400	ug/Kg	U	1400	RL		MDL
B6	0 to 6"	Benzo[a]pyrene	***200***	1400	ug/Kg	U	1400	RL		MDL
B6	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1400	ug/Kg	U	1400	RL		MDL
B6	0 to 6"	Dibenz(a,h)anthracene	***200***	1400	ug/Kg	U	1400	RL		MDL
B7	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B7	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B7	0 to 6"	Benzo[a]anthracene	***600***	190	ug/Kg	J	1200	RL		MDL
B7	0 to 6"	Benzo[b]fluoranthene	***600***	390	ug/Kg	J	1200	RL		MDL
B7	0 to 6"	Benzo[k]fluoranthene	***6000***	140	ug/Kg	J	1200	RL		MDL
B7	0 to 6"	Benzo[a]pyrene	***200***	230	ug/Kg	J	1200	RL		MDL
B7	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	160	ug/Kg	J	1200	RL		MDL
B7	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL
B8	0 to 6"	Naphthalene	***6000***	1600	ug/Kg	U	1600	RL		MDL
B8	0 to 6"	2-Methylnaphthalene	***230000***	1600	ug/Kg	U	1600	RL		MDL
B8	0 to 6"	Benzo[a]anthracene	***600***	1600	ug/Kg	U	1600	RL		MDL
B8	0 to 6"	Benzo[b]fluoranthene	***600***	200	ug/Kg	J	1600	RL		MDL
B8	0 to 6"	Benzo[k]fluoranthene	***6000***	1600	ug/Kg	U	1600	RL		MDL
B8	0 to 6"	Benzo[a]pyrene	***200***	1600	ug/Kg	U	1600	RL		MDL
B8	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1600	ug/Kg	U	1600	RL		MDL
B8	0 to 6"	Dibenz(a,h)anthracene	***200***	1600	ug/Kg	U	1600	RL		MDL
B9	0 to 6"	Naphthalene	***6000***	1100	ug/Kg	U	1100	RL		MDL
B9	0 to 6"	2-Methylnaphthalene	***230000***	1100	ug/Kg	U	1100	RL		MDL
B9	0 to 6"	Benzo[a]anthracene	***600***	1100	ug/Kg	U	1100	RL		MDL
B9	0 to 6"	Benzo[b]fluoranthene	***600***	1100	ug/Kg	U	1100	RL		MDL
B9	0 to 6"	Benzo[k]fluoranthene	***6000***	1100	ug/Kg	U	1100	RL		MDL
B9	0 to 6"	Benzo[a]pyrene	***200***	1100	ug/Kg	U	1100	RL		MDL
B9	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1100	ug/Kg	U	1100	RL		MDL
B9	0 to 6"	Dibenz(a,h)anthracene	***200***	1100	ug/Kg	U	1100	RL		MDL
B10	0 to 6"	Naphthalene	***6000***	1400	ug/Kg	U	1400	RL		MDL
B10	0 to 6"	2-Methylnaphthalene	***230000***	1400	ug/Kg	U	1400	RL		MDL
B10	0 to 6"	Benzo[a]anthracene	***600***	210	ug/Kg	J	1400	RL		MDL
B10	0 to 6"	Benzo[b]fluoranthene	***600***	350	ug/Kg	J	1400	RL		MDL
B10	0 to 6"	Benzo[k]fluoranthene	***6000***	1400	ug/Kg	U	1400	RL		MDL
B10	0 to 6"	Benzo[a]pyrene	***200***	240	ug/Kg	J	1400	RL		MDL
B10	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1400	ug/Kg	U	1400	RL		MDL
B10	0 to 6"	Dibenz(a,h)anthracene	***200***	1400	ug/Kg	U	1400	RL		MDL
B11	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B11	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B11	0 to 6"	Benzo[a]anthracene	***600***	200	ug/Kg	J	1200	RL		MDL
B11	0 to 6"	Benzo[b]fluoranthene	***600***	170	ug/Kg	J	1200	RL		MDL
B11	0 to 6"	Benzo[k]fluoranthene	***6000***	150	ug/Kg	J	1200	RL		MDL
B11	0 to 6"	Benzo[a]pyrene	***200***	130	ug/Kg	J	1200	RL		MDL

Select SVOCs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B11	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL
B11	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL
B12	0 to 6"	Naphthalene	***6000***	1600	ug/Kg	U	1600	RL		MDL
B12	0 to 6"	2-Methylnaphthalene	***230000***	1600	ug/Kg	U	1600	RL		MDL
B12	0 to 6"	Benzo[a]anthracene	***600***	1600	ug/Kg	U	1600	RL		MDL
B12	0 to 6"	Benzo[b]fluoranthene	***600***	1600	ug/Kg	U	1600	RL		MDL
B12	0 to 6"	Benzo[k]fluoranthene	***6000***	1600	ug/Kg	U	1600	RL		MDL
B12	0 to 6"	Benzo[a]pyrene	***200***	1600	ug/Kg	U	1600	RL		MDL
B12	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1600	ug/Kg	U	1600	RL		MDL
B12	0 to 6"	Dibenz(a,h)anthracene	***200***	1600	ug/Kg	U	1600	RL		MDL
B13	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B13	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B13	0 to 6"	Benzo[a]anthracene	***600***	1200	ug/Kg	U	1200	RL		MDL
B13	0 to 6"	Benzo[b]fluoranthene	***600***	150	ug/Kg	J	1200	RL		MDL
B13	0 to 6"	Benzo[k]fluoranthene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B13	0 to 6"	Benzo[a]pyrene	***200***	1200	ug/Kg	U	1200	RL		MDL
B13	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL
B13	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL
B14	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B14	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B14	0 to 6"	Benzo[a]anthracene	***600***	1200	ug/Kg	U	1200	RL		MDL
B14	0 to 6"	Benzo[b]fluoranthene	***600***	160	ug/Kg	J	1200	RL		MDL
B14	0 to 6"	Benzo[k]fluoranthene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B14	0 to 6"	Benzo[a]pyrene	***200***	1200	ug/Kg	U	1200	RL		MDL
B14	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL
B14	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL
B15	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B15	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B15	0 to 6"	Benzo[a]anthracene	***600***	140	ug/Kg	J	1200	RL		MDL
B15	0 to 6"	Benzo[b]fluoranthene	***600***	170	ug/Kg	J	1200	RL		MDL
B15	0 to 6"	Benzo[k]fluoranthene	***6000***	150	ug/Kg	J	1200	RL		MDL
B15	0 to 6"	Benzo[a]pyrene	***200***	160	ug/Kg	J	1200	RL		MDL
B15	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL
B15	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL
B16	0 to 6"	Naphthalene	***6000***	1300	ug/Kg	U	1300	RL		MDL
B16	0 to 6"	2-Methylnaphthalene	***230000***	1300	ug/Kg	U	1300	RL		MDL
B16	0 to 6"	Benzo[a]anthracene	***600***	140	ug/Kg	J	1300	RL		MDL
B16	0 to 6"	Benzo[b]fluoranthene	***600***	260	ug/Kg	J	1300	RL		MDL
B16	0 to 6"	Benzo[k]fluoranthene	***6000***	1300	ug/Kg	U	1300	RL		MDL
B16	0 to 6"	Benzo[a]pyrene	***200***	170	ug/Kg	J	1300	RL		MDL
B16	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1300	ug/Kg	U	1300	RL		MDL
B16	0 to 6"	Dibenz(a,h)anthracene	***200***	1300	ug/Kg	U	1300	RL		MDL

Select SVOCs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B17	0 to 6"	Naphthalene	***6000***	1300	ug/Kg	U	1300	RL		MDL
B17	0 to 6"	2-Methylnaphthalene	***230000***	1300	ug/Kg	U	1300	RL		MDL
B17	0 to 6"	Benzo[a]anthracene	***600***	1300	ug/Kg	U	1300	RL		MDL
B17	0 to 6"	Benzo[b]fluoranthene	***600***	150	ug/Kg	J	1300	RL		MDL
B17	0 to 6"	Benzo[k]fluoranthene	***6000***	1300	ug/Kg	U	1300	RL		MDL
B17	0 to 6"	Benzo[a]pyrene	***200***	1300	ug/Kg	U	1300	RL		MDL
B17	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1300	ug/Kg	U	1300	RL		MDL
B17	0 to 6"	Dibenz(a,h)anthracene	***200***	1300	ug/Kg	U	1300	RL		MDL
B18	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B18	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B18	0 to 6"	Benzo[a]anthracene	***600***	1200	ug/Kg	U	1200	RL		MDL
B18	0 to 6"	Benzo[b]fluoranthene	***600***	1200	ug/Kg	U	1200	RL		MDL
B18	0 to 6"	Benzo[k]fluoranthene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B18	0 to 6"	Benzo[a]pyrene	***200***	1200	ug/Kg	U	1200	RL		MDL
B18	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL
B18	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL
B19	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B19	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B19	0 to 6"	Benzo[a]anthracene	***600***	1200	ug/Kg	U	1200	RL		MDL
B19	0 to 6"	Benzo[b]fluoranthene	***600***	1200	ug/Kg	U	1200	RL		MDL
B19	0 to 6"	Benzo[k]fluoranthene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B19	0 to 6"	Benzo[a]pyrene	***200***	1200	ug/Kg	U	1200	RL		MDL
B19	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL
B19	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL
B20	0 to 6"	Naphthalene	***6000***	1400	ug/Kg	U	1400	RL		MDL
B20	0 to 6"	2-Methylnaphthalene	***230000***	1400	ug/Kg	U	1400	RL		MDL
B20	0 to 6"	Benzo[a]anthracene	***600***	1400	ug/Kg	U	1400	RL		MDL
B20	0 to 6"	Benzo[b]fluoranthene	***600***	1400	ug/Kg	U	1400	RL		MDL
B20	0 to 6"	Benzo[k]fluoranthene	***6000***	1400	ug/Kg	U	1400	RL		MDL
B20	0 to 6"	Benzo[a]pyrene	***200***	1400	ug/Kg	U	1400	RL		MDL
B20	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1400	ug/Kg	U	1400	RL		MDL
B20	0 to 6"	Dibenz(a,h)anthracene	***200***	1400	ug/Kg	U	1400	RL		MDL
B21	0 to 6"	Naphthalene	***6000***	1100	ug/Kg	U	1100	RL		MDL
B21	0 to 6"	2-Methylnaphthalene	***230000***	1100	ug/Kg	U	1100	RL		MDL
B21	0 to 6"	Benzo[a]anthracene	***600***	1100	ug/Kg	U	1100	RL		MDL
B21	0 to 6"	Benzo[b]fluoranthene	***600***	1100	ug/Kg	U	1100	RL		MDL
B21	0 to 6"	Benzo[k]fluoranthene	***6000***	1100	ug/Kg	U	1100	RL		MDL
B21	0 to 6"	Benzo[a]pyrene	***200***	1100	ug/Kg	U	1100	RL		MDL
B21	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1100	ug/Kg	U	1100	RL		MDL
B21	0 to 6"	Dibenz(a,h)anthracene	***200***	1100	ug/Kg	U	1100	RL		MDL
B22	0 to 6"	Naphthalene	***6000***	1300	ug/Kg	U	1300	RL		MDL
B22	0 to 6"	2-Methylnaphthalene	***230000***	1300	ug/Kg	U	1300	RL		MDL
B22	0 to 6"	Benzo[a]anthracene	***600***	1300	ug/Kg	U	1300	RL		MDL

Select SVOCs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B22	0 to 6"	Benzo[b]fluoranthene	***600***	1300	ug/Kg	U	1300	RL		MDL
B22	0 to 6"	Benzo[k]fluoranthene	***6000***	1300	ug/Kg	U	1300	RL		MDL
B22	0 to 6"	Benzo[a]pyrene	***200***	1300	ug/Kg	U	1300	RL		MDL
B22	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1300	ug/Kg	U	1300	RL		MDL
B22	0 to 6"	Dibenz(a,h)anthracene	***200***	1300	ug/Kg	U	1300	RL		MDL
B23	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B23	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B23	0 to 6"	Benzo[a]anthracene	***600***	1200	ug/Kg	U	1200	RL		MDL
B23	0 to 6"	Benzo[b]fluoranthene	***600***	1200	ug/Kg	U	1200	RL		MDL
B23	0 to 6"	Benzo[k]fluoranthene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B23	0 to 6"	Benzo[a]pyrene	***200***	1200	ug/Kg	U	1200	RL		MDL
B23	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL
B23	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL
B24	0 to 6"	Naphthalene	***6000***	1300	ug/Kg	U	1300	RL		MDL
B24	0 to 6"	2-Methylnaphthalene	***230000***	1300	ug/Kg	U	1300	RL		MDL
B24	0 to 6"	Benzo[a]anthracene	***600***	1300	ug/Kg	U	1300	RL		MDL
B24	0 to 6"	Benzo[b]fluoranthene	***600***	1300	ug/Kg	U	1300	RL		MDL
B24	0 to 6"	Benzo[k]fluoranthene	***6000***	1300	ug/Kg	U	1300	RL		MDL
B24	0 to 6"	Benzo[a]pyrene	***200***	1300	ug/Kg	U	1300	RL		MDL
B24	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1300	ug/Kg	U	1300	RL		MDL
B24	0 to 6"	Dibenz(a,h)anthracene	***200***	1300	ug/Kg	U	1300	RL		MDL
B25	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B25	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B25	0 to 6"	Benzo[a]anthracene	***600***	1200	ug/Kg	U	1200	RL		MDL
B25	0 to 6"	Benzo[b]fluoranthene	***600***	1200	ug/Kg	U	1200	RL		MDL
B25	0 to 6"	Benzo[k]fluoranthene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B25	0 to 6"	Benzo[a]pyrene	***200***	1200	ug/Kg	U	1200	RL		MDL
B25	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL
B25	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL
B26	0 to 6"	Naphthalene	***6000***	1300	ug/Kg	U	1300	RL		MDL
B26	0 to 6"	2-Methylnaphthalene	***230000***	1300	ug/Kg	U	1300	RL		MDL
B26	0 to 6"	Benzo[a]anthracene	***600***	1300	ug/Kg	U	1300	RL		MDL
B26	0 to 6"	Benzo[b]fluoranthene	***600***	1300	ug/Kg	U	1300	RL		MDL
B26	0 to 6"	Benzo[k]fluoranthene	***6000***	1300	ug/Kg	U	1300	RL		MDL
B26	0 to 6"	Benzo[a]pyrene	***200***	1300	ug/Kg	U	1300	RL		MDL
B26	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1300	ug/Kg	U	1300	RL		MDL
B26	0 to 6"	Dibenz(a,h)anthracene	***200***	1300	ug/Kg	U	1300	RL		MDL
B27	0 to 6"	Naphthalene	***6000***	1600	ug/Kg	U	1600	RL		MDL
B27	0 to 6"	2-Methylnaphthalene	***230000***	1600	ug/Kg	U	1600	RL		MDL
B27	0 to 6"	Benzo[a]anthracene	***600***	1600	ug/Kg	U	1600	RL		MDL
B27	0 to 6"	Benzo[b]fluoranthene	***600***	1600	ug/Kg	U	1600	RL		MDL
B27	0 to 6"	Benzo[k]fluoranthene	***6000***	1600	ug/Kg	U	1600	RL		MDL
B27	0 to 6"	Benzo[a]pyrene	***200***	1600	ug/Kg	U	1600	RL		MDL

Select SVOCs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type	
B27	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1600	ug/Kg	U	1600	RL		MDL	
B27	0 to 6"	Dibenz(a,h)anthracene	***200***	1600	ug/Kg	U	1600	RL		MDL	
B28	0 to 6"	Naphthalene	***6000***	1300	ug/Kg	U	1300	RL		MDL	
B28	0 to 6"	2-Methylnaphthalene	***230000***	1300	ug/Kg	U	1300	RL		MDL	
B28	0 to 6"	Benzo[a]anthracene	***600***	190	ug/Kg	J	1300	RL		MDL	
B28	0 to 6"	Benzo[b]fluoranthene	***600***	280	ug/Kg	J	1300	RL		MDL	
B28	0 to 6"	Benzo[k]fluoranthene	***6000***	1300	ug/Kg	U	1300	RL		MDL	
B28	0 to 6"	Benzo[a]pyrene	***200***	190	ug/Kg	J	1300	RL		MDL	
B28	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1300	ug/Kg	U	1300	RL		MDL	
B28	0 to 6"	Dibenz(a,h)anthracene	***200***	1300	ug/Kg	U	1300	RL		MDL	
B29	0 to 6"	Naphthalene	***6000***	1400	ug/Kg	U	1400	RL		MDL	
B29	0 to 6"	2-Methylnaphthalene	***230000***	1400	ug/Kg	U	1400	RL		MDL	
B29	0 to 6"	Benzo[a]anthracene	***600***	1400	ug/Kg	U	1400	RL		MDL	
B29	0 to 6"	Benzo[b]fluoranthene	***600***	1400	ug/Kg	U	1400	RL		MDL	
B29	0 to 6"	Benzo[k]fluoranthene	***6000***	1400	ug/Kg	U	1400	RL		MDL	
B29	0 to 6"	Benzo[a]pyrene	***200***	1400	ug/Kg	U	1400	RL		MDL	
B29	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1400	ug/Kg	U	1400	RL		MDL	
B29	0 to 6"	Dibenz(a,h)anthracene	***200***	1400	ug/Kg	U	1400	RL		MDL	
B30	0 to 6"	Naphthalene	***6000***	510	ug/Kg	J	1300	RL		MDL	REMOVED
B30	0 to 6"	2-Methylnaphthalene	***230000***	430	ug/Kg	J	1300	RL		MDL	REMOVED
B30	0 to 6"	Benzo[a]anthracene	***600***	3400	ug/Kg		1300	RL		MDL	REMOVED
B30	0 to 6"	Benzo[b]fluoranthene	***600***	2300	ug/Kg		1300	RL		MDL	REMOVED
B30	0 to 6"	Benzo[k]fluoranthene	***6000***	2300	ug/Kg		1300	RL		MDL	REMOVED
B30	0 to 6"	Benzo[a]pyrene	***200***	2800	ug/Kg		1300	RL		MDL	REMOVED
B30	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1500	ug/Kg		1300	RL		MDL	REMOVED
B30	0 to 6"	Dibenz(a,h)anthracene	***200***	1300	ug/Kg	U	1300	RL		MDL	REMOVED
B31	0 to 6"	Naphthalene	***6000***	1300	ug/Kg	U	1300	RL		MDL	
B31	0 to 6"	2-Methylnaphthalene	***230000***	1300	ug/Kg	U	1300	RL		MDL	
B31	0 to 6"	Benzo[a]anthracene	***600***	1300	ug/Kg	U	1300	RL		MDL	
B31	0 to 6"	Benzo[b]fluoranthene	***600***	1300	ug/Kg	U	1300	RL		MDL	
B31	0 to 6"	Benzo[k]fluoranthene	***6000***	1300	ug/Kg	U	1300	RL		MDL	
B31	0 to 6"	Benzo[a]pyrene	***200***	1300	ug/Kg	U	1300	RL		MDL	
B31	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1300	ug/Kg	U	1300	RL		MDL	
B31	0 to 6"	Dibenz(a,h)anthracene	***200***	1300	ug/Kg	U	1300	RL		MDL	
B32	0 to 6"	Naphthalene	***6000***	1300	ug/Kg	U	1300	RL		MDL	
B32	0 to 6"	2-Methylnaphthalene	***230000***	1300	ug/Kg	U	1300	RL		MDL	
B32	0 to 6"	Benzo[a]anthracene	***600***	1300	ug/Kg	U	1300	RL		MDL	
B32	0 to 6"	Benzo[b]fluoranthene	***600***	1300	ug/Kg	U	1300	RL		MDL	
B32	0 to 6"	Benzo[k]fluoranthene	***6000***	1300	ug/Kg	U	1300	RL		MDL	
B32	0 to 6"	Benzo[a]pyrene	***200***	1300	ug/Kg	U	1300	RL		MDL	
B32	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1300	ug/Kg	U	1300	RL		MDL	
B32	0 to 6"	Dibenz(a,h)anthracene	***200***	1300	ug/Kg	U	1300	RL		MDL	

Select SVOCs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B33	0 to 6"	Naphthalene	***6000***	1300	ug/Kg	U	1300	RL		MDL
B33	0 to 6"	2-Methylnaphthalene	***230000***	1300	ug/Kg	U	1300	RL		MDL
B33	0 to 6"	Benzo[a]anthracene	***600***	1300	ug/Kg	U	1300	RL		MDL
B33	0 to 6"	Benzo[b]fluoranthene	***600***	1300	ug/Kg	U	1300	RL		MDL
B33	0 to 6"	Benzo[k]fluoranthene	***6000***	1300	ug/Kg	U	1300	RL		MDL
B33	0 to 6"	Benzo[a]pyrene	***200***	1300	ug/Kg	U	1300	RL		MDL
B33	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1300	ug/Kg	U	1300	RL		MDL
B33	0 to 6"	Dibenz(a,h)anthracene	***200***	1300	ug/Kg	U	1300	RL		MDL
B34	0 to 6"	Naphthalene	***6000***	1400	ug/Kg	U	1400	RL		MDL
B34	0 to 6"	2-Methylnaphthalene	***230000***	1400	ug/Kg	U	1400	RL		MDL
B34	0 to 6"	Benzo[a]anthracene	***600***	1400	ug/Kg	U	1400	RL		MDL
B34	0 to 6"	Benzo[b]fluoranthene	***600***	1400	ug/Kg	U	1400	RL		MDL
B34	0 to 6"	Benzo[k]fluoranthene	***6000***	1400	ug/Kg	U	1400	RL		MDL
B34	0 to 6"	Benzo[a]pyrene	***200***	1400	ug/Kg	U	1400	RL		MDL
B34	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1400	ug/Kg	U	1400	RL		MDL
B34	0 to 6"	Dibenz(a,h)anthracene	***200***	1400	ug/Kg	U	1400	RL		MDL
B35	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B35	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B35	0 to 6"	Benzo[a]anthracene	***600***	1200	ug/Kg	U	1200	RL		MDL
B35	0 to 6"	Benzo[b]fluoranthene	***600***	1200	ug/Kg	U	1200	RL		MDL
B35	0 to 6"	Benzo[k]fluoranthene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B35	0 to 6"	Benzo[a]pyrene	***200***	1200	ug/Kg	U	1200	RL		MDL
B35	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL
B35	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL
B36	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B36	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B36	0 to 6"	Benzo[a]anthracene	***600***	1200	ug/Kg	U	1200	RL		MDL
B36	0 to 6"	Benzo[b]fluoranthene	***600***	1200	ug/Kg	U	1200	RL		MDL
B36	0 to 6"	Benzo[k]fluoranthene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B36	0 to 6"	Benzo[a]pyrene	***200***	1200	ug/Kg	U	1200	RL		MDL
B36	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL
B36	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL
B37	0 to 6"	Naphthalene	***6000***	1400	ug/Kg	U	1400	RL		MDL
B37	0 to 6"	2-Methylnaphthalene	***230000***	1400	ug/Kg	U	1400	RL		MDL
B37	0 to 6"	Benzo[a]anthracene	***600***	1400	ug/Kg	U	1400	RL		MDL
B37	0 to 6"	Benzo[b]fluoranthene	***600***	1400	ug/Kg	U	1400	RL		MDL
B37	0 to 6"	Benzo[k]fluoranthene	***6000***	1400	ug/Kg	U	1400	RL		MDL
B37	0 to 6"	Benzo[a]pyrene	***200***	1400	ug/Kg	U	1400	RL		MDL
B37	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1400	ug/Kg	U	1400	RL		MDL
B37	0 to 6"	Dibenz(a,h)anthracene	***200***	1400	ug/Kg	U	1400	RL		MDL
B38	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B38	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B38	0 to 6"	Benzo[a]anthracene	***600***	220	ug/Kg	J	1200	RL		MDL

Select SVOCs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B38	0 to 6"	Benzo[b]fluoranthene	***600***	230	ug/Kg	J	1200	RL		MDL
B38	0 to 6"	Benzo[k]fluoranthene	***6000***	180	ug/Kg	J	1200	RL		MDL
B38	0 to 6"	Benzo[a]pyrene	***200***	220	ug/Kg	J	1200	RL		MDL
B38	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL
B38	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL
B39	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B39	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B39	0 to 6"	Benzo[a]anthracene	***600***	1200	ug/Kg	U	1200	RL		MDL
B39	0 to 6"	Benzo[b]fluoranthene	***600***	1200	ug/Kg	U	1200	RL		MDL
B39	0 to 6"	Benzo[k]fluoranthene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B39	0 to 6"	Benzo[a]pyrene	***200***	1200	ug/Kg	U	1200	RL		MDL
B39	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL
B39	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL
B40	0 to 6"	Naphthalene	***6000***	1300	ug/Kg	U	1300	RL		MDL
B40	0 to 6"	2-Methylnaphthalene	***230000***	1300	ug/Kg	U	1300	RL		MDL
B40	0 to 6"	Benzo[a]anthracene	***600***	190	ug/Kg	J	1300	RL		MDL
B40	0 to 6"	Benzo[b]fluoranthene	***600***	190	ug/Kg	J	1300	RL		MDL
B40	0 to 6"	Benzo[k]fluoranthene	***6000***	150	ug/Kg	J	1300	RL		MDL
B40	0 to 6"	Benzo[a]pyrene	***200***	1300	ug/Kg	U	1300	RL		MDL
B40	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1300	ug/Kg	U	1300	RL		MDL
B40	0 to 6"	Dibenz(a,h)anthracene	***200***	1300	ug/Kg	U	1300	RL		MDL
B41	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B41	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B41	0 to 6"	Benzo[a]anthracene	***600***	1200	ug/Kg	U	1200	RL		MDL
B41	0 to 6"	Benzo[b]fluoranthene	***600***	1200	ug/Kg	U	1200	RL		MDL
B41	0 to 6"	Benzo[k]fluoranthene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B41	0 to 6"	Benzo[a]pyrene	***200***	1200	ug/Kg	U	1200	RL		MDL
B41	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL
B41	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL
B42	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B42	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B42	0 to 6"	Benzo[a]anthracene	***600***	1200	ug/Kg	U	1200	RL		MDL
B42	0 to 6"	Benzo[b]fluoranthene	***600***	1200	ug/Kg	U	1200	RL		MDL
B42	0 to 6"	Benzo[k]fluoranthene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B42	0 to 6"	Benzo[a]pyrene	***200***	1200	ug/Kg	U	1200	RL		MDL
B42	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL
B42	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL
B43	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B43	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B43	0 to 6"	Benzo[a]anthracene	***600***	1200	ug/Kg	U	1200	RL		MDL
B43	0 to 6"	Benzo[b]fluoranthene	***600***	1200	ug/Kg	U	1200	RL		MDL
B43	0 to 6"	Benzo[k]fluoranthene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B43	0 to 6"	Benzo[a]pyrene	***200***	1200	ug/Kg	U	1200	RL		MDL

Select SVOCs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B43	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL
B43	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL
B44	0 to 6"	Naphthalene	***6000***	1100	ug/Kg	U	1100	RL		MDL
B44	0 to 6"	2-Methylnaphthalene	***230000***	1100	ug/Kg	U	1100	RL		MDL
B44	0 to 6"	Benzo[a]anthracene	***600***	1100	ug/Kg	U	1100	RL		MDL
B44	0 to 6"	Benzo[b]fluoranthene	***600***	1100	ug/Kg	U	1100	RL		MDL
B44	0 to 6"	Benzo[k]fluoranthene	***6000***	1100	ug/Kg	U	1100	RL		MDL
B44	0 to 6"	Benzo[a]pyrene	***200***	1100	ug/Kg	U	1100	RL		MDL
B44	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1100	ug/Kg	U	1100	RL		MDL
B44	0 to 6"	Dibenz(a,h)anthracene	***200***	1100	ug/Kg	U	1100	RL		MDL
B45	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B45	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B45	0 to 6"	Benzo[a]anthracene	***600***	1200	ug/Kg	U	1200	RL		MDL
B45	0 to 6"	Benzo[b]fluoranthene	***600***	1200	ug/Kg	U	1200	RL		MDL
B45	0 to 6"	Benzo[k]fluoranthene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B45	0 to 6"	Benzo[a]pyrene	***200***	1200	ug/Kg	U	1200	RL		MDL
B45	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL
B45	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL
B46	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B46	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B46	0 to 6"	Benzo[a]anthracene	***600***	1200	ug/Kg	U	1200	RL		MDL
B46	0 to 6"	Benzo[b]fluoranthene	***600***	130	ug/Kg	J	1200	RL		MDL
B46	0 to 6"	Benzo[k]fluoranthene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B46	0 to 6"	Benzo[a]pyrene	***200***	120	ug/Kg	J	1200	RL		MDL
B46	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL
B46	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL
B47	0 to 6"	Naphthalene	***6000***	1300	ug/Kg	U	1300	RL		MDL
B47	0 to 6"	2-Methylnaphthalene	***230000***	1300	ug/Kg	U	1300	RL		MDL
B47	0 to 6"	Benzo[a]anthracene	***600***	1300	ug/Kg	U	1300	RL		MDL
B47	0 to 6"	Benzo[b]fluoranthene	***600***	1300	ug/Kg	U	1300	RL		MDL
B47	0 to 6"	Benzo[k]fluoranthene	***6000***	1300	ug/Kg	U	1300	RL		MDL
B47	0 to 6"	Benzo[a]pyrene	***200***	1300	ug/Kg	U	1300	RL		MDL
B47	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1300	ug/Kg	U	1300	RL		MDL
B47	0 to 6"	Dibenz(a,h)anthracene	***200***	1300	ug/Kg	U	1300	RL		MDL
B48	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B48	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B48	0 to 6"	Benzo[a]anthracene	***600***	1200	ug/Kg	U	1200	RL		MDL
B48	0 to 6"	Benzo[b]fluoranthene	***600***	1200	ug/Kg	U	1200	RL		MDL
B48	0 to 6"	Benzo[k]fluoranthene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B48	0 to 6"	Benzo[a]pyrene	***200***	1200	ug/Kg	U	1200	RL		MDL
B48	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL
B48	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL

Select SVOCs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type	
B49	0 to 6"	Naphthalene	***6000***	1300	ug/Kg	U	1300	RL		MDL	REMOVED
B49	0 to 6"	2-Methylnaphthalene	***230000***	1300	ug/Kg	U	1300	RL		MDL	REMOVED
B49	0 to 6"	Benzo[a]anthracene	***600***	1400	ug/Kg		1300	RL		MDL	REMOVED
B49	0 to 6"	Benzo[b]fluoranthene	***600***	1600	ug/Kg		1300	RL		MDL	REMOVED
B49	0 to 6"	Benzo[k]fluoranthene	***6000***	1300	ug/Kg		1300	RL		MDL	REMOVED
B49	0 to 6"	Benzo[a]pyrene	***200***	1500	ug/Kg		1300	RL		MDL	REMOVED
B49	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1000	ug/Kg	J	1300	RL		MDL	REMOVED
B49	0 to 6"	Dibenz(a,h)anthracene	***200***	1300	ug/Kg	U	1300	RL		MDL	REMOVED
B30A	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL	
B30A	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL	
B30A	0 to 6"	Benzo[a]anthracene	***600***	130	ug/Kg	J	1200	RL		MDL	
B30A	0 to 6"	Benzo[b]fluoranthene	***600***	190	ug/Kg	J	1200	RL		MDL	
B30A	0 to 6"	Benzo[k]fluoranthene	***6000***	88	ug/Kg	J	1200	RL		MDL	
B30A	0 to 6"	Benzo[a]pyrene	***200***	120	ug/Kg	J	1200	RL		MDL	
B30A	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL	
B30A	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL	
B30B	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL	
B30B	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL	
B30B	0 to 6"	Benzo[a]anthracene	***600***	140	ug/Kg	J	1200	RL		MDL	
B30B	0 to 6"	Benzo[b]fluoranthene	***600***	150	ug/Kg	J	1200	RL		MDL	
B30B	0 to 6"	Benzo[k]fluoranthene	***6000***	1200	ug/Kg	U	1200	RL		MDL	
B30B	0 to 6"	Benzo[a]pyrene	***200***	120	ug/Kg	J	1200	RL		MDL	
B30B	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL	
B30B	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL	
B30C	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL	
B30C	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL	
B30C	0 to 6"	Benzo[a]anthracene	***600***	210	ug/Kg	J	1200	RL		MDL	
B30C	0 to 6"	Benzo[b]fluoranthene	***600***	280	ug/Kg	J	1200	RL		MDL	
B30C	0 to 6"	Benzo[k]fluoranthene	***6000***	110	ug/Kg	J	1200	RL		MDL	
B30C	0 to 6"	Benzo[a]pyrene	***200***	210	ug/Kg	J	1200	RL		MDL	
B30C	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	110	ug/Kg	J	1200	RL		MDL	
B30C	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL	
B30D	0 to 6"	Naphthalene	***6000***	1300	ug/Kg	U	1300	RL		MDL	
B30D	0 to 6"	2-Methylnaphthalene	***230000***	1300	ug/Kg	U	1300	RL		MDL	
B30D	0 to 6"	Benzo[a]anthracene	***600***	150	ug/Kg	J	1300	RL		MDL	
B30D	0 to 6"	Benzo[b]fluoranthene	***600***	380	ug/Kg	J	1300	RL		MDL	
B30D	0 to 6"	Benzo[k]fluoranthene	***6000***	110	ug/Kg	J	1300	RL		MDL	
B30D	0 to 6"	Benzo[a]pyrene	***200***	250	ug/Kg	J	1300	RL		MDL	
B30D	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	200	ug/Kg	J	1300	RL		MDL	
B30D	0 to 6"	Dibenz(a,h)anthracene	***200***	1300	ug/Kg	U	1300	RL		MDL	
B49A	0 to 6"	Naphthalene	***6000***	1300	ug/Kg	U	1300	RL		MDL	
B49A	0 to 6"	2-Methylnaphthalene	***230000***	1300	ug/Kg	U	1300	RL		MDL	
B49A	0 to 6"	Benzo[a]anthracene	***600***	560	ug/Kg	J	1300	RL		MDL	

Select SVOCs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type	
B49A	0 to 6"	Benzo[b]fluoranthene	***600***	880	ug/Kg	J	1300	RL		MDL	
B49A	0 to 6"	Benzo[k]fluoranthene	***6000***	310	ug/Kg	J	1300	RL		MDL	
B49A	0 to 6"	Benzo[a]pyrene	***200***	550	ug/Kg	J	1300	RL		MDL	
B49A	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	210	ug/Kg	J	1300	RL		MDL	
B49A	0 to 6"	Dibenz(a,h)anthracene	***200***	1300	ug/Kg	U	1300	RL		MDL	
B49B	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL	REMOVED
B49B	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL	REMOVED
B49B	0 to 6"	Benzo[a]anthracene	***600***	1200	ug/Kg	J	1200	RL		MDL	REMOVED
B49B	0 to 6"	Benzo[b]fluoranthene	***600***	1600	ug/Kg		1200	RL		MDL	REMOVED
B49B	0 to 6"	Benzo[k]fluoranthene	***6000***	530	ug/Kg	J	1200	RL		MDL	REMOVED
B49B	0 to 6"	Benzo[a]pyrene	***200***	1100	ug/Kg	J	1200	RL		MDL	REMOVED
B49B	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	400	ug/Kg	J	1200	RL		MDL	REMOVED
B49B	0 to 6"	Dibenz(a,h)anthracene	***200***	110	ug/Kg	J	1200	RL		MDL	REMOVED
B49C	0 to 6"	Naphthalene	***6000***	1100	ug/Kg	U	1100	RL		MDL	REMOVED
B49C	0 to 6"	2-Methylnaphthalene	***230000***	1100	ug/Kg	U	1100	RL		MDL	REMOVED
B49C	0 to 6"	Benzo[a]anthracene	***600***	280	ug/Kg	J	1100	RL		MDL	REMOVED
B49C	0 to 6"	Benzo[b]fluoranthene	***600***	400	ug/Kg	J	1100	RL		MDL	REMOVED
B49C	0 to 6"	Benzo[k]fluoranthene	***6000***	180	ug/Kg	J	1100	RL		MDL	REMOVED
B49C	0 to 6"	Benzo[a]pyrene	***200***	280	ug/Kg	J	1100	RL		MDL	REMOVED
B49C	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	120	ug/Kg	J	1100	RL		MDL	REMOVED
B49C	0 to 6"	Dibenz(a,h)anthracene	***200***	1100	ug/Kg	U	1100	RL		MDL	REMOVED
B49D	0 to 6"	Naphthalene	***6000***	1100	ug/Kg	U	1100	RL		MDL	
B49D	0 to 6"	2-Methylnaphthalene	***230000***	1100	ug/Kg	U	1100	RL		MDL	
B49D	0 to 6"	Benzo[a]anthracene	***600***	350	ug/Kg	J	1100	RL		MDL	
B49D	0 to 6"	Benzo[b]fluoranthene	***600***	600	ug/Kg	J	1100	RL		MDL	
B49D	0 to 6"	Benzo[k]fluoranthene	***6000***	190	ug/Kg	J	1100	RL		MDL	
B49D	0 to 6"	Benzo[a]pyrene	***200***	370	ug/Kg	J	1100	RL		MDL	
B49D	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	140	ug/Kg	J	1100	RL		MDL	
B49D	0 to 6"	Dibenz(a,h)anthracene	***200***	1100	ug/Kg	U	1100	RL		MDL	
B49	18 to 24"	Naphthalene	***6000***	1100	ug/Kg	U	1100	RL		MDL	
B49	18 to 24"	2-Methylnaphthalene	***230000***	1100	ug/Kg	U	1100	RL		MDL	
B49	18 to 24"	Benzo[a]anthracene	***600***	200	ug/Kg	J	1100	RL		MDL	
B49	18 to 24"	Benzo[b]fluoranthene	***600***	330	ug/Kg	J	1100	RL		MDL	
B49	18 to 24"	Benzo[k]fluoranthene	***6000***	98	ug/Kg	J	1100	RL		MDL	
B49	18 to 24"	Benzo[a]pyrene	***200***	200	ug/Kg	J	1100	RL		MDL	
B49	18 to 24"	Indeno[1,2,3-cd]pyrene	***600***	100	ug/Kg	J	1100	RL		MDL	
B49	18 to 24"	Dibenz(a,h)anthracene	***200***	1100	ug/Kg	U	1100	RL		MDL	
B49B1	0 to 6"	Naphthalene	***6000***	1100	ug/Kg	U	1100	RL		MDL	
B49B1	0 to 6"	2-Methylnaphthalene	***230000***	1100	ug/Kg	U	1100	RL		MDL	
B49B1	0 to 6"	Benzo[a]anthracene	***600***	580	ug/Kg	J	1100	RL		MDL	
B49B1	0 to 6"	Benzo[b]fluoranthene	***600***	830	ug/Kg	J	1100	RL		MDL	
B49B1	0 to 6"	Benzo[k]fluoranthene	***6000***	350	ug/Kg	J	1100	RL		MDL	
B49B1	0 to 6"	Benzo[a]pyrene	***200***	600	ug/Kg	J	1100	RL		MDL	

Select SVOCs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type	
B49B1	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	240	ug/Kg	J	1100	RL		MDL	
B49B1	0 to 6"	Dibenz(a,h)anthracene	***200***	1100	ug/Kg	U	1100	RL		MDL	
B49B2	0 to 6"	Naphthalene	***6000***	1100	ug/Kg	U	1100	RL		MDL	
B49B2	0 to 6"	2-Methylnaphthalene	***230000***	1100	ug/Kg	U	1100	RL		MDL	
B49B2	0 to 6"	Benzo[a]anthracene	***600***	410	ug/Kg	J	1100	RL		MDL	
B49B2	0 to 6"	Benzo[b]fluoranthene	***600***	640	ug/Kg	J	1100	RL		MDL	
B49B2	0 to 6"	Benzo[k]fluoranthene	***6000***	220	ug/Kg	J	1100	RL		MDL	
B49B2	0 to 6"	Benzo[a]pyrene	***200***	410	ug/Kg	J	1100	RL		MDL	
B49B2	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	160	ug/Kg	J	1100	RL		MDL	
B49B2	0 to 6"	Dibenz(a,h)anthracene	***200***	1100	ug/Kg	U	1100	RL		MDL	
B30	Bottom	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL	
B30	Bottom	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL	
B30	Bottom	Benzo[a]anthracene	***600***	1200	ug/Kg	U	1200	RL		MDL	
B30	Bottom	Benzo[b]fluoranthene	***600***	1200	ug/Kg	U	1200	RL		MDL	
B30	Bottom	Benzo[k]fluoranthene	***6000***	1200	ug/Kg	U	1200	RL		MDL	
B30	Bottom	Benzo[a]pyrene	***200***	1200	ug/Kg	U	1200	RL		MDL	
B30	Bottom	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL	
B30	Bottom	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL	
B49	Bottom	Naphthalene	***6000***	1100	ug/Kg	U	1100	RL		MDL	
B49	Bottom	2-Methylnaphthalene	***230000***	1100	ug/Kg	U	1100	RL		MDL	
B49	Bottom	Benzo[a]anthracene	***600***	400	ug/Kg	J	1100	RL		MDL	
B49	Bottom	Benzo[b]fluoranthene	***600***	500	ug/Kg	J	1100	RL		MDL	
B49	Bottom	Benzo[k]fluoranthene	***6000***	180	ug/Kg	J	1100	RL		MDL	
B49	Bottom	Benzo[a]pyrene	***200***	370	ug/Kg	J	1100	RL		MDL	
B49	Bottom	Indeno[1,2,3-cd]pyrene	***600***	170	ug/Kg	J	1100	RL		MDL	
B49	Bottom	Dibenz(a,h)anthracene	***200***	1100	ug/Kg	U	1100	RL		MDL	
B30	12" to 16"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL	
B30	12" to 16"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL	
B30	12" to 16"	Benzo[a]anthracene	***600***	1200	ug/Kg	U	1200	RL		MDL	
B30	12" to 16"	Benzo[b]fluoranthene	***600***	1200	ug/Kg	U	1200	RL		MDL	
B30	12" to 16"	Benzo[k]fluoranthene	***6000***	1200	ug/Kg	U	1200	RL		MDL	
B30	12" to 16"	Benzo[a]pyrene	***200***	1200	ug/Kg	U	1200	RL		MDL	
B30	12" to 16"	Indeno[1,2,3-cd]pyrene	***600***	1200	ug/Kg	U	1200	RL		MDL	
B30	12" to 16"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL	
B49	12" to 16"	Naphthalene	***6000***	130	ug/Kg	J	1200	RL		MDL	REMOVED
B49	12" to 16"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL	REMOVED
B49	12" to 16"	Benzo[a]anthracene	***600***	3700	ug/Kg		1200	RL		MDL	REMOVED
B49	12" to 16"	Benzo[b]fluoranthene	***600***	5700	ug/Kg		1200	RL		MDL	REMOVED
B49	12" to 16"	Benzo[k]fluoranthene	***6000***	2100	ug/Kg		1200	RL		MDL	REMOVED
B49	12" to 16"	Benzo[a]pyrene	***200***	3600	ug/Kg		1200	RL		MDL	REMOVED
B49	12" to 16"	Indeno[1,2,3-cd]pyrene	***600***	1600	ug/Kg		1200	RL		MDL	REMOVED
B49	12" to 16"	Dibenz(a,h)anthracene	***200***	500	ug/Kg	J	1200	RL		MDL	REMOVED

Select SVOCs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B49 C1	0 to 6"	Naphthalene	***6000***	1100	ug/Kg	U	1100	RL		MDL
B49 C1	0 to 6"	2-Methylnaphthalene	***230000***	1100	ug/Kg	U	1100	RL		MDL
B49 C1	0 to 6"	Benzo[a]anthracene	***600***	530	ug/Kg	J	1100	RL		MDL
B49 C1	0 to 6"	Benzo[b]fluoranthene	***600***	640	ug/Kg	J	1100	RL		MDL
B49 C1	0 to 6"	Benzo[k]fluoranthene	***6000***	290	ug/Kg	J	1100	RL		MDL
B49 C1	0 to 6"	Benzo[a]pyrene	***200***	500	ug/Kg	J	1100	RL		MDL
B49 C1	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	210	ug/Kg	J	1100	RL		MDL
B49 C1	0 to 6"	Dibenz(a,h)anthracene	***200***	62	ug/Kg	J	1100	RL		MDL
B49 C2	0 to 6"	Naphthalene	***6000***	1100	ug/Kg	U	1100	RL		MDL
B49 C2	0 to 6"	2-Methylnaphthalene	***230000***	1100	ug/Kg	U	1100	RL		MDL
B49 C2	0 to 6"	Benzo[a]anthracene	***600***	530	ug/Kg	J	1100	RL		MDL
B49 C2	0 to 6"	Benzo[b]fluoranthene	***600***	710	ug/Kg	J	1100	RL		MDL
B49 C2	0 to 6"	Benzo[k]fluoranthene	***6000***	240	ug/Kg	J	1100	RL		MDL
B49 C2	0 to 6"	Benzo[a]pyrene	***200***	500	ug/Kg	J	1100	RL		MDL
B49 C2	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	200	ug/Kg	J	1100	RL		MDL
B49 C2	0 to 6"	Dibenz(a,h)anthracene	***200***	61	ug/Kg	J	1100	RL		MDL
B49 C3	0 to 6"	Naphthalene	***6000***	1200	ug/Kg	U	1200	RL		MDL
B49 C3	0 to 6"	2-Methylnaphthalene	***230000***	1200	ug/Kg	U	1200	RL		MDL
B49 C3	0 to 6"	Benzo[a]anthracene	***600***	430	ug/Kg	J	1200	RL		MDL
B49 C3	0 to 6"	Benzo[b]fluoranthene	***600***	590	ug/Kg	J	1200	RL		MDL
B49 C3	0 to 6"	Benzo[k]fluoranthene	***6000***	210	ug/Kg	J	1200	RL		MDL
B49 C3	0 to 6"	Benzo[a]pyrene	***200***	400	ug/Kg	J	1200	RL		MDL
B49 C3	0 to 6"	Indeno[1,2,3-cd]pyrene	***600***	160	ug/Kg	J	1200	RL		MDL
B49 C3	0 to 6"	Dibenz(a,h)anthracene	***200***	1200	ug/Kg	U	1200	RL		MDL

PCBs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B1	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B1	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B1	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B1	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B1	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B1	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B1	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.004	MDL
B2	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B2	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B2	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B2	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B2	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B2	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B2	0 to 6"	Aroclor 1260	***0.2***	0.043	mg/Kg		0.05	RL	0.005	MDL
B3	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B3	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B3	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B3	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B3	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B3	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B3	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.004	MDL
B4	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B4	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.04	MDL
B4	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B4	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B4	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B4	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.007	MDL
B4	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.006	MDL
B5	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B5	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B5	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B5	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B5	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B5	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B5	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B6	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B6	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B6	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL

PCBs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B6	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B6	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B6	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.006	MDL
B6	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B7	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B7	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B7	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B7	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B7	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B7	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B7	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.004	MDL
B8	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B8	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B8	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B8	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B8	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B8	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.006	MDL
B8	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.006	MDL
B9	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B9	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B9	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B9	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B9	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B9	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B9	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.004	MDL
B10	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B10	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B10	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B10	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B10	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B10	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.006	MDL
B10	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B11	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B11	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B11	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B11	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B11	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B11	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL

PCBs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B11	0 to 6"	Aroclor 1260	***0.2***	0.036	mg/Kg		0.05	RL	0.004	MDL
B12	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B12	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B12	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B12	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B12	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B12	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.006	MDL
B12	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.006	MDL
B13	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B13	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B13	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B13	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B13	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B13	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B13	0 to 6"	Aroclor 1260	***0.2***	0.036	mg/Kg		0.05	RL	0.005	MDL
B14	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B14	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B14	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B14	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B14	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B14	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B14	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.004	MDL
B15	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B15	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B15	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B15	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B15	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B15	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B15	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.004	MDL
B16	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B16	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B16	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B16	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B16	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B16	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B16	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B17	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL

PCBs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B17	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B17	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B17	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B17	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B17	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B17	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B18	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B18	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B18	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B18	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B18	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B18	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B18	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.004	MDL
B19	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B19	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B19	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B19	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B19	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B19	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B19	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B20	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B20	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B20	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B20	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B20	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B20	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.006	MDL
B20	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B21	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B21	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B21	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B21	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B21	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B21	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.004	MDL
B21	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.004	MDL
B22	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B22	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B22	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B22	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL

PCBs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B22	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B22	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B22	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B23	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B23	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B23	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B23	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B23	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B23	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B23	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B24	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B24	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B24	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B24	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B24	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B24	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B24	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B25	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B25	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B25	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B25	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B25	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B25	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B25	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.004	MDL
B26	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B26	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B26	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B26	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B26	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B26	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B26	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B27	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B27	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B27	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B27	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B27	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B27	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.006	MDL
B27	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.006	MDL

PCBs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type	
B28	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	
B28	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL	
B28	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B28	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B28	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	
B28	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL	
B28	0 to 6"	Aroclor 1260	***0.2***	0.11	mg/Kg		0.05	RL	0.005	MDL	
B29	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B29	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL	
B29	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B29	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B29	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	
B29	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.006	MDL	
B29	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL	
B30	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	REMOVED
B30	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL	REMOVED
B30	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	REMOVED
B30	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	REMOVED
B30	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	REMOVED
B30	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL	REMOVED
B30	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL	REMOVED
B31	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	
B31	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL	
B31	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B31	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B31	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	
B31	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL	
B31	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL	
B32	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	
B32	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL	
B32	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B32	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B32	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	
B32	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL	
B32	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL	
B33	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	
B33	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL	

PCBs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B33	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B33	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B33	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B33	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B33	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B34	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B34	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B34	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B34	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B34	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B34	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.006	MDL
B34	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B35	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B35	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B35	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B35	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B35	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B35	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B35	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.004	MDL
B36	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B36	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B36	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B36	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B36	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B36	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B36	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.004	MDL
B37	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B37	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B37	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B37	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B37	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B37	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B37	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B38	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B38	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B38	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B38	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B38	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL

PCBs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type
B38	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B38	0 to 6"	Aroclor 1260	***0.2***	0.098	mg/Kg		0.05	RL	0.004	MDL
B39	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B39	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B39	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B39	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B39	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B39	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B39	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.004	MDL
B40	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B40	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B40	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B40	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B40	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B40	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B40	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B41	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B41	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL
B41	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B41	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B41	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B41	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B41	0 to 6"	Aroclor 1260	***0.2***	0.047	mg/Kg		0.05	RL	0.004	MDL
B42	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B42	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B42	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B42	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B42	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B42	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B42	0 to 6"	Aroclor 1260	***0.2***	0.034	mg/Kg		0.05	RL	0.004	MDL
B43	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B43	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B43	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B43	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL
B43	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL
B43	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL
B43	0 to 6"	Aroclor 1260	***0.2***	0.073	mg/Kg		0.05	RL	0.004	MDL

PCBs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type	
B44	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	
B44	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B44	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B44	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B44	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	
B44	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL	
B44	0 to 6"	Aroclor 1260	***0.2***	0.25	mg/Kg		0.05	RL	0.004	MDL	
B45	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	
B45	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B45	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B45	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B45	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	
B45	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL	
B45	0 to 6"	Aroclor 1260	***0.2***	0.12	mg/Kg		0.05	RL	0.004	MDL	
B46	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	
B46	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B46	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B46	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B46	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	
B46	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL	
B46	0 to 6"	Aroclor 1260	***0.2***	0.68	mg/Kg		0.05	RL	0.004	MDL	
B47	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	
B47	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL	
B47	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B47	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B47	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	
B47	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL	
B47	0 to 6"	Aroclor 1260	***0.2***	0.021	mg/Kg		0.05	RL	0.005	MDL	
B48	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	
B48	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B48	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B48	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	
B48	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	
B48	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL	
B48	0 to 6"	Aroclor 1260	***0.2***	0.05	mg/Kg	U	0.05	RL	0.004	MDL	
B49	0 to 6"	Aroclor 1016	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	REMOVED
B49	0 to 6"	Aroclor 1221	***0.2***	0.05	mg/Kg	U	0.05	RL	0.03	MDL	REMOVED
B49	0 to 6"	Aroclor 1232	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	REMOVED

PCBs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Unit	Flag	High Limit	High Limit Type	Low Limit	Low Limit Type	
B49	0 to 6"	Aroclor 1242	***0.2***	0.05	mg/Kg	U	0.05	RL	0.02	MDL	REMOVED
B49	0 to 6"	Aroclor 1248	***0.2***	0.05	mg/Kg	U	0.05	RL	0.01	MDL	REMOVED
B49	0 to 6"	Aroclor 1254	***0.2***	0.05	mg/Kg	U	0.05	RL	0.005	MDL	REMOVED
B49	0 to 6"	Aroclor 1260	***0.2***	0.45	mg/Kg		0.05	RL	0.005	MDL	REMOVED

ENCLOSURE 2

Analytical Data Sheets

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732) 532-4359 FAX: (732) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461, NYSDOH #11699



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 700 Area

700 Area/GeoProbe

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Trip Blank	4009601	Methanol	03-Feb-04	02/03/04
B1 0-6"	4009602	Soil	03-Feb-04 11:00	02/03/04
B1 18-24"	4009603	Soil	03-Feb-04 11:10	02/03/04
B1 48"	4009604	Soil	03-Feb-04 11:15	02/03/04
Duplicate 0-6"	4009605	Soil	03-Feb-04 11:00	02/03/04
Duplicate 18-24"	4009606	Soil	03-Feb-04 11:10	02/03/04
Duplicate 48"	4009607	Soil	03-Feb-04 11:15	02/03/04
B2 0-6"	4009608	Soil	03-Feb-04 12:15	02/03/04
B2 18-24"	4009609	Soil	03-Feb-04 12:20	02/03/04
B2 48"	4009610	Soil	03-Feb-04 12:25	02/03/04
B3 0-6"	4009611	Soil	03-Feb-04 13:15	02/03/04
B3 18-24"	4009612	Soil	03-Feb-04 13:18	02/03/04
B3 48"	4009613	Soil	03-Feb-04 13:20	02/03/04
B4 0-6"	4009614	Soil	03-Feb-04 14:10	02/03/04
B4 18-24"	4009615	Soil	03-Feb-04 14:12	02/03/04
B4 48"	4009616	Soil	03-Feb-04 14:15	02/03/04
B5 0-6"	4009617	Soil	03-Feb-04 15:00	02/03/04
B5 18-24"	4009618	Soil	03-Feb-04 15:03	02/03/04
B5 48"	4009619	Soil	03-Feb-04 15:05	02/03/04
Trip Blank	4010901	Methanol	09-Feb-04	02/10/04
B6 0-6"	4010902	Soil	09-Feb-04 09:00	02/10/04
B6 18-24"	4010903	Soil	09-Feb-04 09:03	02/10/04
B6 48"	4010904	Soil	09-Feb-04 09:05	02/10/04
B7 0-6"	4010905	Soil	09-Feb-04 09:55	02/10/04
B7 18-24"	4010906	Soil	09-Feb-04 09:57	02/10/04
B7 72"	4010907	Soil	09-Feb-04 10:00	02/10/04
B8 0-6"	4010908	Soil	09-Feb-04 10:50	02/10/04
B8 18-24"	4010909	Soil	09-Feb-04 10:53	02/10/04
B8 72"	4010910	Soil	09-Feb-04 10:55	02/10/04
B9 0-6"	4010911	Soil	09-Feb-04 10:35	02/10/04
B9 18-24"	4010912	Soil	09-Feb-04 10:38	02/10/04
B9 72"	4010913	Soil	09-Feb-04 10:40	02/10/04

SAMPLE LOCATION AND IDENTIFICATION

B10 0-6"	4010914	Soil	09-Feb-04 12:30	02/10/04
B10 18-24"	4010915	Soil	09-Feb-04 12:34	02/10/04
B10 84"	4010916	Soil	09-Feb-04 12:36	02/10/04
B12 0-6"	4010917	Soil	09-Feb-04 13:40	02/10/04
B12 18-24"	4010918	Soil	09-Feb-04 13:43	02/10/04
B12 96"	4010919	Soil	09-Feb-04 13:45	02/10/04
B13 0-6"	4010920	Soil	09-Feb-04 14:35	02/10/04
B13 18-24"	4010921	Soil	09-Feb-04 14:38	02/10/04
B13 72"	4010922	Soil	09-Feb-04 14:40	02/10/04
Trip Blank	4011201	Methanol	10-Feb-04	02/10/04
B14 0-6"	4011202	Soil	10-Feb-04 09:00	02/10/04
B14 18-24"	4011203	Soil	10-Feb-04 09:00	02/10/04
B14 60"	4011204	Soil	10-Feb-04 09:00	02/10/04
B15 0-6"	4011205	Soil	10-Feb-04 09:35	02/10/04
B15 18-24"	4011206	Soil	10-Feb-04 09:35	02/10/04
B15 60"	4011207	Soil	10-Feb-04 09:35	02/10/04
B16 0-6"	4011208	Soil	10-Feb-04 10:30	02/10/04
B16 18-24"	4011209	Soil	10-Feb-04 10:30	02/10/04
B16 48"	4011210	Soil	10-Feb-04 10:30	02/10/04
B17 0-6"	4011211	Soil	10-Feb-04 11:15	02/10/04
B17 18-24"	4011212	Soil	10-Feb-04 11:15	02/10/04
B17 40"	4011213	Soil	10-Feb-04 11:15	02/10/04
B18 0-6"	4011214	Soil	10-Feb-04 12:15	02/10/04
B18 18-24"	4011215	Soil	10-Feb-04 12:15	02/10/04
B18 40"	4011216	Soil	10-Feb-04 12:15	02/10/04
B19 0-6"	4011217	Soil	10-Feb-04 13:00	02/10/04
B19 18-24"	4011218	Soil	10-Feb-04 13:00	02/10/04
B19 60"	4011219	Soil	10-Feb-04 13:00	02/10/04
B20 0-6"	4011220	Soil	10-Feb-04 14:00	02/10/04
B20 18-24"	4011221	Soil	10-Feb-04 14:00	02/10/04
B20 74"	4011222	Soil	10-Feb-04 14:00	02/10/04
Trip Blank	4011501	Methanol	11-Feb-04	02/11/04
B21 0-6"	4011502	Soil	11-Feb-04 09:00	02/11/04
B21 18-24"	4011503	Soil	11-Feb-04 09:00	02/11/04
B21 60"	4011504	Soil	11-Feb-04 09:00	02/11/04
Duplicate 0-6"	4011505	Soil	11-Feb-04 09:00	02/11/04
Duplicate 18-24"	4011506	Soil	11-Feb-04 09:00	02/11/04
Duplicate 60"	4011507	Soil	11-Feb-04 09:00	02/11/04
B22 0-6"	4011508	Soil	11-Feb-04 10:00	02/11/04
B22 18-24"	4011509	Soil	11-Feb-04 10:00	02/11/04
B22 60"	4011510	Soil	11-Feb-04 10:00	02/11/04
B23 0-6"	4011511	Soil	11-Feb-04 11:00	02/11/04
B23 18-24"	4011512	Soil	11-Feb-04 11:00	02/11/04
B23 48"	4011513	Soil	11-Feb-04 11:00	02/11/04
B24 0-6"	4011514	Soil	11-Feb-04 11:45	02/11/04
B24 18-24"	4011515	Soil	11-Feb-04 11:45	02/11/04
B24 48"	4011516	Soil	11-Feb-04 11:45	02/11/04
B25 0-6"	4011517	Soil	11-Feb-04 12:45	02/11/04
B25 18-24"	4011518	Soil	11-Feb-04 12:45	02/11/04
B25 48"	4011519	Soil	11-Feb-04 12:45	02/11/04
B26 0-6"	4011520	Soil	11-Feb-04 13:30	02/11/04

B26 18-24"	4011521	Soil	11-Feb-04 13:30	02/11/04
B26 48"	4011522	Soil	11-Feb-04 13:30	02/11/04
Trip Blank	4011701	Methanol	12-Feb-04	02/12/04
B27 0-6"	4011702	Soil	12-Feb-04 08:30	02/12/04
B27 18-24"	4011703	Soil	12-Feb-04 08:30	02/12/04
B27 60"	4011704	Soil	12-Feb-04 08:30	02/12/04
B28 0-6"	4011705	Soil	12-Feb-04 09:15	02/12/04
B28 18-24"	4011706	Soil	12-Feb-04 09:15	02/12/04
B28 48"	4011707	Soil	12-Feb-04 09:15	02/12/04
B29 0-6"	4011708	Soil	12-Feb-04 10:30	02/12/04
B29 18-24"	4011709	Soil	12-Feb-04 10:30	02/12/04
B29 72"	4011710	Soil	12-Feb-04 10:30	02/12/04
B30 0-6"	4011711	Soil	12-Feb-04 11:05	02/12/04
B30 18-24"	4011712	Soil	12-Feb-04 11:05	02/12/04
B30 72"	4011713	Soil	12-Feb-04 11:05	02/12/04
B31 0-6"	4011714	Soil	12-Feb-04 12:00	02/12/04
B31 18-24"	4011715	Soil	12-Feb-04 12:00	02/12/04
B31 72"	4011716	Soil	12-Feb-04 12:00	02/12/04
B32 0-6"	4011717	Soil	12-Feb-04 12:50	02/12/04
B32 18-24"	4011718	Soil	12-Feb-04 12:50	02/12/04
B32 60"	4011719	Soil	12-Feb-04 12:50	02/12/04
B33 0-6"	4011720	Soil	12-Feb-04 13:30	02/12/04
B33 18-24"	4011721	Soil	12-Feb-04 13:30	02/12/04
B33 48"	4011722	Soil	12-Feb-04 13:30	02/12/04
B34 0-6"	4011723	Soil	12-Feb-04 14:20	02/12/04
B34 18-24"	4011724	Soil	12-Feb-04 14:20	02/12/04
B34 48"	4011725	Soil	12-Feb-04 14:20	02/12/04
B35 0-6"	4011726	Soil	12-Feb-04 15:00	02/12/04
B35 18-24"	4011727	Soil	12-Feb-04 15:00	02/12/04
B35 24"	4011728	Soil	12-Feb-04 15:00	02/12/04
Trip Blank	4011801	Methanol	13-Feb-04	02/13/04
B36 0-6"	4011802	Soil	13-Feb-04 08:20	02/13/04
B36 18-24"	4011803	Soil	13-Feb-04 08:20	02/13/04
B36 48"	4011804	Soil	13-Feb-04 08:20	02/13/04
B37 0-6"	4011805	Soil	13-Feb-04 09:00	02/13/04
B37 18-24"	4011806	Soil	13-Feb-04 09:00	02/13/04
B37 72"	4011807	Soil	13-Feb-04 09:00	02/13/04
B38 0-6"	4011808	Soil	13-Feb-04 09:40	02/13/04
B38 18-24"	4011809	Soil	13-Feb-04 09:40	02/13/04
B38 72"	4011810	Soil	13-Feb-04 09:40	02/13/04
B39 0-6"	4011811	Soil	13-Feb-04 10:30	02/13/04
B39 18-24"	4011812	Soil	13-Feb-04 10:30	02/13/04
B39 48"	4011813	Soil	13-Feb-04 10:30	02/13/04
B40 0-6"	4011814	Soil	13-Feb-04 12:30	02/13/04
B40 18-24"	4011815	Soil	13-Feb-04 12:30	02/13/04
B40 96"	4011816	Soil	13-Feb-04 12:30	02/13/04
Trip Blank	4012101	Methanol	17-Feb-04	02/17/04
B11 0-6"	4012102	Soil	17-Feb-04 09:00	02/17/04
B11 18-24"	4012103	Soil	17-Feb-04 09:00	02/17/04
B11 36"	4012104	Soil	17-Feb-04 09:00	02/17/04
Duplicate 0-6"	4012105	Soil	17-Feb-04 09:00	02/17/04
Duplicate 18-24"	4012106	Soil	17-Feb-04 09:00	02/17/04
Duplicate 36"	4012107	Soil	17-Feb-04 09:00	02/17/04

B41 0-6"	4012108	Soil	17-Feb-04 10:00	02/17/04
B41 18-24"	4012109	Soil	17-Feb-04 10:00	02/17/04
B41 60"	4012110	Soil	17-Feb-04 10:00	02/17/04
B42 0-6"	4012111	Soil	17-Feb-04 11:20	02/17/04
B42 18-24"	4012112	Soil	17-Feb-04 11:20	02/17/04
B42 60"	4012113	Soil	17-Feb-04 11:20	02/17/04
B43 0-6"	4012114	Soil	17-Feb-04 12:15	02/17/04
B43 18-24"	4012115	Soil	17-Feb-04 12:15	02/17/04
B43 84"	4012116	Soil	17-Feb-04 12:15	02/17/04
B44 0-6"	4012117	Soil	17-Feb-04 13:20	02/17/04
B44 18-24"	4012118	Soil	17-Feb-04 13:20	02/17/04
B44 96"	4012119	Soil	17-Feb-04 13:20	02/17/04
B45 0-6"	4012120	Soil	17-Feb-04 14:15	02/17/04
B45 18-24"	4012121	Soil	17-Feb-04 14:15	02/17/04
B45 72"	4012122	Soil	17-Feb-04 14:15	02/17/04
Trip Blank	4012501	Methanol	18-Feb-04	02/18/04
B46 0-6"	4012502	Soil	18-Feb-04 08:55	02/18/04
B46 18-24"	4012503	Soil	18-Feb-04 08:55	02/18/04
B46 96"	4012504	Soil	18-Feb-04 08:55	02/18/04
B47 0-6"	4012505	Soil	18-Feb-04 09:50	02/18/04
B47 18-24"	4012506	Soil	18-Feb-04 09:50	02/18/04
B47 96"	4012507	Soil	18-Feb-04 09:50	02/18/04
B48 0-6"	4012508	Soil	18-Feb-04 10:50	02/18/04
B48 18-24"	4012509	Soil	18-Feb-04 10:50	02/18/04
B48 72"	4012510	Soil	18-Feb-04 10:50	02/18/04
B49 0-6"	4012511	Soil	18-Feb-04 11:45	02/18/04
B49 18-24"	4012512	Soil	18-Feb-04 11:45	02/18/04
B49 72"	4012513	Soil	18-Feb-04 11:45	02/18/04
B48 72"	4014301	Soil	26-Feb-04 08:10	02/26/04
B49 72"	4014302	Soil	26-Feb-04 08:30	02/26/04

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, ABN+25, P/PCB, TAL METALS, TPHC, % SOLIDS



Daniel Wright/Date
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

700 Area Sample Location GPS Positions

US State Plane 1983 New Jersey (NY East) 2900
NAD 1983 (Conus)
Geoid 96 (Conus)

(In US Survey Feet)

Sample Points

Position	Northing (Y Coord.)	Easting (X Coord.)
B1 700	538584.499	618445.897
B2 700	538536.375	618359.584
B3 700	538484.675	618267.432
B4 700	538439.328	618182.142
B5 700	538385.068	618085.360
B6 700	538334.814	617998.362
B7 700	538478.331	618497.635
B8 700	538433.972	618409.029
B9 700	538393.182	618318.390
B10 700	538352.873	618236.341
B11 700	538306.831	618140.515
B12 700	538257.625	618052.490
B13 700	538409.389	618567.903
B14 700	538372.924	618494.109
B15 700	538336.632	618424.058
B16 700	538297.562	618352.576
B17 700	538260.384	618281.765
B18 700	538225.572	618210.134
B19 700	538187.641	618137.704
B20 700	538151.245	618064.910
B21 700	538321.759	618599.517
B22 700	538271.617	618504.578
B23 700	538221.951	618415.454
B24 700	538176.774	618326.862
B25 700	538125.378	618238.026
B26 700	538075.823	618147.608
B27 700	538276.835	618696.099
B28 700	538209.298	618593.055
B29 700	538162.863	618513.986
B30 700	538125.877	618443.723
B31 700	538086.061	618372.433
B32 700	538048.567	618301.213
B33 700	538010.342	618228.589
B34 700	538152.339	618705.120
B35 700	538105.087	618614.868
B36 700	538053.968	618528.031
B37 700	538011.110	618437.884
B38 700	537961.249	618349.935
B39 700	537911.562	618263.850
B40 700	537870.012	618196.218
B41 700	537581.358	617895.912
B42 700	537557.512	617841.616
B43 700	537506.094	617851.045
B44 700	537455.134	617792.892
B45 700	537487.571	617727.286
B46 700	537400.275	617762.690
B47 700	537315.619	617708.601
B48 700	537382.949	617662.118
B49 700	537427.785	617619.116

Reference Points

Position	Northing (Y Coord.)	Easting (X Coord.)
HYD 141	538520.007	618579.837
HYD 152	538191.487	618000.831

SEMI-VOLATILE ORGANICS

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MB-020404-01

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-020404-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BN07112.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 0 decanted:(Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/5/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1000	U
62-75-9	N-nitroso-dimethylamine	1000	U
62-53-3	Aniline	1000	U
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)ether	1000	U
95-57-8	2-Chlorophenol	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
100-51-6	Benzyl alcohol	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
95-48-7	2-Methylphenol	1000	U
39638-32-9	bis(2-chloroisopropyl)ether	1000	U
106-44-5	4-Methylphenol	1000	U
621-64-7	n-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
111-91-1	bis(2-Chloroethoxy)methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
65-85-0	Benzoic Acid	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
59-50-7	4-Chloro-3-methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	1000	U
208-96-8	Acenaphthylene	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	1000	U

1C

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MB-020404-01

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-020404-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BN07112.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 0 decanted:(Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/5/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1000	U
51-28-5	2,4-Dinitrophenol	1000	U
132-64-9	Dibenzofuran	1000	U
100-02-7	4-Nitrophenol	1000	U
121-14-2	2,4-Dinitrotoluene	1000	U
84-66-2	Diethylphthalate	1000	U
86-73-7	Fluorene	1000	U
7005-72-3	4-Chlorophenyl-phenylether	1000	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	n-Nitrosodiphenylamine	1000	U
103-33-3	Azobenzene	1000	U
101-55-3	4-Bromophenyl-phenylether	1000	U
118-74-1	Hexachlorobenzene	1000	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	1000	U
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	1000	U
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: MB-020404-01

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-020404-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BN07112.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 0 decanted: (Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/5/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.87	770	J
2. 000085-69-8	1,2-Benzenedicarboxylic acid, but	21.53	400	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MB-021104-02

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-021104-02

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09442.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 0 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1000	U
62-75-9	N-nitroso-dimethylamine	1000	U
62-53-3	Aniline	1000	U
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)ether	1000	U
95-57-8	2-Chlorophenol	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
100-51-6	Benzyl alcohol	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
95-48-7	2-Methylphenol	1000	U
39638-32-9	bis(2-chloroisopropyl)ether	1000	U
106-44-5	4-Methylphenol	1000	U
621-64-7	n-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
111-91-1	bis(2-Chloroethoxy)methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
65-85-0	Benzoic Acid	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
59-50-7	4-Chloro-3-methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	1000	U
208-96-8	Acenaphthylene	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	1000	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MB-021104-02

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-021104-02

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09442.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 0 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1000	U
51-28-5	2,4-Dinitrophenol	1000	U
132-64-9	Dibenzofuran	1000	U
100-02-7	4-Nitrophenol	1000	U
121-14-2	2,4-Dinitrotoluene	1000	U
84-66-2	Diethylphthalate	1000	U
86-73-7	Fluorene	1000	U
7005-72-3	4-Chlorophenyl-phenylether	1000	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	n-Nitrosodiphenylamine	1000	U
103-33-3	Azobenzene	1000	U
101-55-3	4-Bromophenyl-phenylether	1000	U
118-74-1	Hexachlorobenzene	1000	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	1000	U
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	1000	U
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MB-021104-02

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-021104-02

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09442.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 0 decanted: (Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.18	440	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MB-021904-01

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-021904-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09459.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 0 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1000	U
62-75-9	N-nitroso-dimethylamine	1000	U
62-53-3	Aniline	1000	U
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)ether	1000	U
95-57-8	2-Chlorophenol	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
100-51-6	Benzyl alcohol	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
95-48-7	2-Methylphenol	1000	U
39638-32-9	bis(2-chloroisopropyl)ether	1000	U
106-44-5	4-Methylphenol	1000	U
621-64-7	n-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
111-91-1	bis(2-Chloroethoxy)methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
65-85-0	Benzoic Acid	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
59-50-7	4-Chloro-3-methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	1000	U
208-96-8	Acenaphthylene	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	1000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-021904-01

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-021904-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09459.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 0 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1000	U
51-28-5	2,4-Dinitrophenol	1000	U
132-64-9	Dibenzofuran	1000	U
100-02-7	4-Nitrophenol	1000	U
121-14-2	2,4-Dinitrotoluene	1000	U
84-66-2	Diethylphthalate	1000	U
86-73-7	Fluorene	1000	U
7005-72-3	4-Chlorophenyl-phenylether	1000	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	n-Nitrosodiphenylamine	1000	U
103-33-3	Azobenzene	1000	U
101-55-3	4-Bromophenyl-phenylether	1000	U
118-74-1	Hexachlorobenzene	1000	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	1000	U
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	1000	U
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MB-021904-01

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-021904-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09459.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 0 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 017851-53-5	1,2-Benzenedicarboxylic acid, but	22.01	420	JN

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MB-021904-01

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-021904-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BN07204.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 0 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1000	U
62-75-9	N-nitroso-dimethylamine	1000	U
62-53-3	Aniline	1000	U
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)ether	1000	U
95-57-8	2-Chlorophenol	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
100-51-6	Benzyl alcohol	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
95-48-7	2-Methylphenol	1000	U
39638-32-9	bis(2-chloroisopropyl)ether	1000	U
106-44-5	4-Methylphenol	1000	U
621-64-7	n-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
111-91-1	bis(2-Chloroethoxy)methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
65-85-0	Benzoic Acid	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
59-50-7	4-Chloro-3-methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	1000	U
208-96-8	Acenaphthylene	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	1000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID: MB-021904-01

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-021904-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BN07204.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 0 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1000	U
51-28-5	2,4-Dinitrophenol	1000	U
132-64-9	Dibenzofuran	1000	U
100-02-7	4-Nitrophenol	1000	U
121-14-2	2,4-Dinitrotoluene	1000	U
84-66-2	Diethylphthalate	1000	U
86-73-7	Fluorene	1000	U
7005-72-3	4-Chlorophenyl-phenylether	1000	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	n-Nitrosodiphenylamine	1000	U
103-33-3	Azobenzene	1000	U
101-55-3	4-Bromophenyl-phenylether	1000	U
118-74-1	Hexachlorobenzene	1000	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	1000	U
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	1000	U
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **MB-021904-01**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-021904-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BN07204.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 0 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000131-16-8	1,2-Benzenedicarboxylic acid, dip	21.46	450	JN

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MB-022404-01

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-022404-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BN07218.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 0 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/24/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1000	U
62-75-9	N-nitroso-dimethylamine	1000	U
62-53-3	Aniline	1000	U
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)ether	1000	U
95-57-8	2-Chlorophenol	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
100-51-6	Benzyl alcohol	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
95-48-7	2-Methylphenol	1000	U
39638-32-9	bis(2-chloroisopropyl)ether	1000	U
106-44-5	4-Methylphenol	1000	U
621-64-7	n-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
111-91-1	bis(2-Chloroethoxy)methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
65-85-0	Benzoic Acid	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
59-50-7	4-Chloro-3-methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	1000	U
208-96-8	Acenaphthylene	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	1000	U

1C

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MB-022404-01

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-022404-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BN07218.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 0 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/24/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1000	U
51-28-5	2,4-Dinitrophenol	1000	U
132-64-9	Dibenzofuran	1000	U
100-02-7	4-Nitrophenol	1000	U
121-14-2	2,4-Dinitrotoluene	1000	U
84-66-2	Diethylphthalate	1000	U
86-73-7	Fluorene	1000	U
7005-72-3	4-Chlorophenyl-phenylether	1000	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	n-Nitrosodiphenylamine	1000	U
103-33-3	Azobenzene	1000	U
101-55-3	4-Bromophenyl-phenylether	1000	U
118-74-1	Hexachlorobenzene	1000	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	1000	U
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	1000	U
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **MB-022404-01**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-022404-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BN07218.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 0 decanted: (Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/24/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.93	1200	J
2. 000084-78-6	1,2-Benzenedicarboxylic acid, but	21.46	730	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B1 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4009602

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BNA09434.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 13.86 decanted:(Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/19/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B1 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4009602

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BNA09434.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 13.86 decanted:(Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/19/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	160	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	190	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	180	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
50-32-8	Benzo[a]pyrene	1200	U
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B1 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4009602

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BNA09434.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 13.86 decanted: (Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/19/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.17	1100	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	22.02	710	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Dupe 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4009605

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09435.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 13.17 decanted:(Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/19/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
95-48-7	2-Methylphenol	1100	U
39638-32-9	bis(2-chloroisopropyl)ether	1100	U
106-44-5	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Dupe 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4009605

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09435.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 13.17 decanted:(Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/19/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1100	U
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	1100	U
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Dupe 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4009605

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09435.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 13.17 decanted: (Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/19/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 6 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	7.17	1400	J
2.	000057-10-3	Hexadecanoic acid	22.88	490	JN
3.	001454-84-8	1-Nonadecanol	27.66	690	JN
4.		unknown	29.90	560	J
5.	000629-92-5	Nonadecane	30.62	760	JN
6.	000629-99-2	Pentacosane	32.20	1000	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B2 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4009608

Sample wt/vol: 10.14 (g/ml) G Lab File ID: BNA09436.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 23.64 decanted:(Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/19/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B2 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4009608

Sample wt/vol: 10.14 (g/ml) G Lab File ID: BNA09436.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 23.64 decanted:(Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/19/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	210	J
120-12-7	Anthracene	1300	U
84-74-2	Di-n-butylphthalate	1300	J
206-44-0	Fluoranthene	530	J
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	480	J
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	330	J
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	360	J
117-81-7	bis(2-Ethylhexyl)phthalate	410	J
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	530	J
207-08-9	Benzo[k]fluoranthene	180	J
50-32-8	Benzo[a]pyrene	370	J
193-39-5	Indeno[1,2,3-cd]pyrene	220	J
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	240	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B2 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4009608

Sample wt/vol: 10.14 (g/ml) G Lab File ID: BNA09436.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 23.64 decanted: (Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/19/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	7.17	1800	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	22.02	1100	JN
3.	002091-29-4	9-Hexadecenoic acid	22.80	800	JN
4.	000057-10-3	Hexadecanoic acid	22.89	1000	JN
5.	006624-79-9	1-Dotriacontanol	27.66	980	JN
6.		unknown	29.90	600	J
7.	000646-31-1	Tetracosane	30.62	660	JN
8.	000629-96-9	1-Eicosanol	30.68	830	JN
9.	000629-94-7	Heneicosane	32.20	880	JN
10.	000083-47-6	.gamma.-Sitosterol	35.19	1700	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B3 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4009611

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BNA09437.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 13.73 decanted:(Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/19/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
95-48-7	2-Methylphenol	1100	U
39638-32-9	bis(2-chloroisopropyl)ether	1100	U
106-44-5	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B3 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4009611

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BNA09437.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 13.73 decanted:(Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/19/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	140	J
206-44-0	Fluoranthene	170	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	160	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	140	J
117-81-7	bis(2-Ethylhexyl)phthalate	1100	U
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	230	J
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	150	J
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	120	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B3 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4009611

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BNA09437.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 13.73 decanted: (Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/19/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.17	1100	J
2. 000085-69-8	1,2-Benzenedicarboxylic acid, but	22.02	660	JN
3. 000109-29-5	Oxacycloheptadecan-2-one	22.80	1200	JN
4. 000057-10-3	Hexadecanoic acid	22.89	1300	JN
5. 013360-61-7	1-Pentadecene	27.66	780	JN
6. 001454-84-8	1-Nonadecanol	29.22	1200	JN
7.	unknown	29.90	510	J
8. 000629-94-7	Heneicosane	30.62	1400	JN
9. 000629-92-5	Nonadecane	32.21	1600	JN
10.	unknown	35.21	1300	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B4 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4009614

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BNA09438.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 43.98 decanted:(Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/19/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1800	U
62-75-9	N-nitroso-dimethylamine	1800	U
62-53-3	Aniline	1800	U
108-95-2	Phenol	1800	U
111-44-4	bis(2-Chloroethyl)ether	1800	U
95-57-8	2-Chlorophenol	1800	U
541-73-1	1,3-Dichlorobenzene	1800	U
106-46-7	1,4-Dichlorobenzene	1800	U
100-51-6	Benzyl alcohol	1800	U
95-50-1	1,2-Dichlorobenzene	1800	U
95-48-7	2-Methylphenol	1800	U
39638-32-9	bis(2-chloroisopropyl)ether	1800	U
106-44-5	4-Methylphenol	1800	U
621-64-7	n-Nitroso-di-n-propylamine	1800	U
67-72-1	Hexachloroethane	1800	U
98-95-3	Nitrobenzene	1800	U
78-59-1	Isophorone	1800	U
88-75-5	2-Nitrophenol	1800	U
105-67-9	2,4-Dimethylphenol	1800	U
111-91-1	bis(2-Chloroethoxy)methane	1800	U
120-83-2	2,4-Dichlorophenol	1800	U
65-85-0	Benzoic Acid	250	J
120-82-1	1,2,4-Trichlorobenzene	1800	U
91-20-3	Naphthalene	1800	U
106-47-8	4-Chloroaniline	1800	U
87-68-3	Hexachlorobutadiene	1800	U
59-50-7	4-Chloro-3-methylphenol	1800	U
91-57-6	2-Methylnaphthalene	1800	U
77-47-4	Hexachlorocyclopentadiene	1800	U
88-06-2	2,4,6-Trichlorophenol	1800	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	1800	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	1800	U
208-96-8	Acenaphthylene	1800	U
606-20-2	2,6-Dinitrotoluene	1800	U
99-09-2	3-Nitroaniline	1800	U

009219

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B4 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4009614

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BNA09438.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 43.98 decanted:(Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/19/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1800	U
51-28-5	2,4-Dinitrophenol	1800	U
132-64-9	Dibenzofuran	1800	U
100-02-7	4-Nitrophenol	1800	U
121-14-2	2,4-Dinitrotoluene	1800	U
84-66-2	Diethylphthalate	1800	U
86-73-7	Fluorene	1800	U
7005-72-3	4-Chlorophenyl-phenylether	1800	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	n-Nitrosodiphenylamine	1800	U
103-33-3	Azobenzene	1800	U
101-55-3	4-Bromophenyl-phenylether	1800	U
118-74-1	Hexachlorobenzene	1800	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	1800	U
120-12-7	Anthracene	1800	U
84-74-2	Di-n-butylphthalate	1800	U
206-44-0	Fluoranthene	1800	U
92-87-5	Benzidine	1800	U
129-00-0	Pyrene	1800	U
85-68-7	Butylbenzylphthalate	1800	U
56-55-3	Benzo[a]anthracene	1800	U
91-94-1	3,3'-Dichlorobenzidine	1800	U
218-01-9	Chrysene	1800	U
117-81-7	bis(2-Ethylhexyl)phthalate	180	J
117-84-0	Di-n-octylphthalate	1800	U
205-99-2	Benzo[b]fluoranthene	1800	U
207-08-9	Benzo[k]fluoranthene	1800	U
50-32-8	Benzo[a]pyrene	1800	U
193-39-5	Indeno[1,2,3-cd]pyrene	1800	U
53-70-3	Dibenz[a,h]anthracene	1800	U
191-24-2	Benzo[g,h,i]perylene	1800	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B4 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4009614

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BNA09438.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 43.98 decanted: (Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/19/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.18	1600	J
2.	unknown	22.72	980	J
3. 000109-29-5	Oxacycloheptadecan-2-one	22.80	1500	JN
4. 000057-10-3	Hexadecanoic acid	22.90	3600	JN
5. 000057-11-4	Octadecanoic acid	24.81	950	JN
6. 000506-30-9	Eicosanoic acid	26.58	780	JN
7.	unknown	27.16	770	J
8.	unknown	27.22	1300	J
9. 027519-02-4	9-Tricosene, (Z)-	27.66	2300	JN
10.	unknown	27.81	2300	J
11. 000112-85-6	Docosanoic acid	28.22	1900	JN
12. 000630-06-8	Hexatriacontane	29.20	830	JN
13.	unknown	29.74	1200	J
14.	unknown	29.91	930	J
15. 056554-86-0	17-Octadecenal	30.24	2100	JN
16. 000629-94-7	Heneicosane	30.62	2400	JN
17. 000297-03-0	Cyclotetracosane	30.68	6700	JN
18. 000629-92-5	Nonadecane	32.21	5600	JN
19.	unknown	32.32	2600	J
20.	unknown	35.21	6000	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B5 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4009617

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BNA09439.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 21.64 decanted:(Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/19/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	690	J
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B5 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4009617

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BNA09439.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 21.64 decanted:(Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/19/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	150	J
120-12-7	Anthracene	1300	U
84-74-2	Di-n-butylphthalate	1300	U
206-44-0	Fluoranthene	140	J
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	200	J
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	1300	U
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	1300	U
117-81-7	bis(2-Ethylhexyl)phthalate	1300	U
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	1300	U
207-08-9	Benzo[k]fluoranthene	1300	U
50-32-8	Benzo[a]pyrene	1300	U
193-39-5	Indeno[1,2,3-cd]pyrene	1300	U
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	1300	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B5 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40096 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4009617

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BNA09439.D

Level: (low/med) LOW Date Received: 2/3/2004

% Moisture: 21.64 decanted: (Y/N) N Date Extracted: 2/4/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/19/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 13 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.18	1500	J
2.	unknown	20.99	700	J
3. 000057-10-3	Hexadecanoic acid	22.89	1100	JN
4.	unknown	26.68	520	J
5. 001599-67-3	1-Docosene	27.66	1600	JN
6. 000112-85-6	Docosanoic acid	28.22	570	JN
7. 001599-67-3	1-Docosene	29.22	1200	JN
8.	unknown	29.74	770	J
9.	unknown	29.90	620	J
10. 056554-86-0	17-Octadecenal	30.24	1800	JN
11. 000544-76-3	Hexadecane	30.62	1400	JN
12. 000297-03-0	Cyclotetracosane	30.68	2500	JN
13. 035599-77-0	Tridecane, 1-iodo-	32.20	2200	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B6 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010902

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BNA09444.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 29.14 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1400	U
62-75-9	N-nitroso-dimethylamine	1400	U
62-53-3	Aniline	1400	U
108-95-2	Phenol	1400	U
111-44-4	bis(2-Chloroethyl)ether	1400	U
95-57-8	2-Chlorophenol	1400	U
541-73-1	1,3-Dichlorobenzene	1400	U
106-46-7	1,4-Dichlorobenzene	1400	U
100-51-6	Benzyl alcohol	1400	U
95-50-1	1,2-Dichlorobenzene	1400	U
95-48-7	2-Methylphenol	1400	U
39638-32-9	bis(2-chloroisopropyl)ether	1400	U
106-44-5	4-Methylphenol	1400	U
621-64-7	n-Nitroso-di-n-propylamine	1400	U
67-72-1	Hexachloroethane	1400	U
98-95-3	Nitrobenzene	1400	U
78-59-1	Isophorone	1400	U
88-75-5	2-Nitrophenol	1400	U
105-67-9	2,4-Dimethylphenol	1400	U
111-91-1	bis(2-Chloroethoxy)methane	1400	U
120-83-2	2,4-Dichlorophenol	1400	U
65-85-0	Benzoic Acid	710	J
120-82-1	1,2,4-Trichlorobenzene	1400	U
91-20-3	Naphthalene	1400	U
106-47-8	4-Chloroaniline	1400	U
87-68-3	Hexachlorobutadiene	1400	U
59-50-7	4-Chloro-3-methylphenol	1400	U
91-57-6	2-Methylnaphthalene	1400	U
77-47-4	Hexachlorocyclopentadiene	1400	U
88-06-2	2,4,6-Trichlorophenol	1400	U
95-95-4	2,4,5-Trichlorophenol	1400	U
91-58-7	2-Chloronaphthalene	1400	U
88-74-4	2-Nitroaniline	1400	U
131-11-3	Dimethylphthalate	1400	U
208-96-8	Acenaphthylene	1400	U
606-20-2	2,6-Dinitrotoluene	1400	U
99-09-2	3-Nitroaniline	1400	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B6 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010902

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BNA09444.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 29.14 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1400	U
51-28-5	2,4-Dinitrophenol	1400	U
132-64-9	Dibenzofuran	1400	U
100-02-7	4-Nitrophenol	1400	U
121-14-2	2,4-Dinitrotoluene	1400	U
84-66-2	Diethylphthalate	1400	U
86-73-7	Fluorene	1400	U
7005-72-3	4-Chlorophenyl-phenylether	1400	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-methylphenol	1400	U
86-30-6	n-Nitrosodiphenylamine	1400	U
103-33-3	Azobenzene	1400	U
101-55-3	4-Bromophenyl-phenylether	1400	U
118-74-1	Hexachlorobenzene	1400	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	1400	U
120-12-7	Anthracene	1400	U
84-74-2	Di-n-butylphthalate	1400	U
206-44-0	Fluoranthene	1400	U
92-87-5	Benzidine	1400	U
129-00-0	Pyrene	1400	U
85-68-7	Butylbenzylphthalate	1400	U
56-55-3	Benzo[a]anthracene	1400	U
91-94-1	3,3'-Dichlorobenzidine	1400	U
218-01-9	Chrysene	1400	U
117-81-7	bis(2-Ethylhexyl)phthalate	1400	U
117-84-0	Di-n-octylphthalate	1400	U
205-99-2	Benzo[b]fluoranthene	1400	U
207-08-9	Benzo[k]fluoranthene	1400	U
50-32-8	Benzo[a]pyrene	1400	U
193-39-5	Indeno[1,2,3-cd]pyrene	1400	U
53-70-3	Dibenz[a,h]anthracene	1400	U
191-24-2	Benzo[g,h,i]perylene	1400	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B6 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010902

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BNA09444.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 29.14 decanted: (Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.18	750	J
2. 000057-10-3	Hexadecanoic acid	22.88	990	JN
3. 000295-48-7	Cyclopentadecane	27.65	1000	JN
4.	unknown	29.89	700	J
5. 000000-00-0	1-Hexacosanal	30.23	1700	JN
6. 000112-95-8	Eicosane	30.61	1600	JN
7. 000297-03-0	Cyclotetracosane	30.67	1000	JN
8. 007390-81-0	Oxirane, hexadecyl-	31.76	750	JN
9. 007098-22-8	Tetratetracontane	32.20	2700	JN
10.	unknown	32.42	1200	J
11.	unknown	33.75	620	J
12. 000083-47-6	.gamma.-Sitosterol	35.18	1300	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B7 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010905

Sample wt/vol: 10.18 (g/ml) G Lab File ID: BNA09447.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 20.34 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	160	J
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B7 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010905

Sample wt/vol: 10.18 (g/ml) G Lab File ID: BNA09447.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 20.34 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	280	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	270	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	190	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	230	J
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	390	J
207-08-9	Benzo[k]fluoranthene	140	J
50-32-8	Benzo[a]pyrene	230	J
193-39-5	Indeno[1,2,3-cd]pyrene	160	J
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	170	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B7 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010905

Sample wt/vol: 10.18 (g/ml) G Lab File ID: BNA09447.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 20.34 decanted: (Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	7.18	790	J
2.		unknown	21.63	580	J
3.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	22.01	500	JN
4.	002091-29-4	9-Hexadecenoic acid	22.79	650	JN
5.	000057-10-3	Hexadecanoic acid	22.88	1000	JN
6.	005155-70-4	1-Phenanthrenecarboxylic acid, 1	27.49	670	JN
7.	006765-39-5	1-Heptadecene	27.65	580	JN
8.	000301-02-0	9-Octadecenamide, (Z)-	29.89	780	JN
9.	019047-85-9	Phosphonic acid, dioctadecyl este	30.67	1300	JN
10.	000083-47-6	.gamma.-Sitosterol	35.19	1500	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B8 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010908

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BNA09448.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 37 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1600	U
62-75-9	N-nitroso-dimethylamine	1600	U
62-53-3	Aniline	1600	U
108-95-2	Phenol	1600	U
111-44-4	bis(2-Chloroethyl)ether	1600	U
95-57-8	2-Chlorophenol	1600	U
541-73-1	1,3-Dichlorobenzene	1600	U
106-46-7	1,4-Dichlorobenzene	1600	U
100-51-6	Benzyl alcohol	1600	U
95-50-1	1,2-Dichlorobenzene	1600	U
95-48-7	2-Methylphenol	1600	U
39638-32-9	bis(2-chloroisopropyl)ether	1600	U
106-44-5	4-Methylphenol	1600	U
621-64-7	n-Nitroso-di-n-propylamine	1600	U
67-72-1	Hexachloroethane	1600	U
98-95-3	Nitrobenzene	1600	U
78-59-1	Isophorone	1600	U
88-75-5	2-Nitrophenol	1600	U
105-67-9	2,4-Dimethylphenol	1600	U
111-91-1	bis(2-Chloroethoxy)methane	1600	U
120-83-2	2,4-Dichlorophenol	1600	U
65-85-0	Benzoic Acid	1600	U
120-82-1	1,2,4-Trichlorobenzene	1600	U
91-20-3	Naphthalene	1600	U
106-47-8	4-Chloroaniline	1600	U
87-68-3	Hexachlorobutadiene	1600	U
59-50-7	4-Chloro-3-methylphenol	1600	U
91-57-6	2-Methylnaphthalene	1600	U
77-47-4	Hexachlorocyclopentadiene	1600	U
88-06-2	2,4,6-Trichlorophenol	1600	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	1600	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethylphthalate	1600	U
208-96-8	Acenaphthylene	1600	U
606-20-2	2,6-Dinitrotoluene	1600	U
99-09-2	3-Nitroaniline	1600	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B8 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010908

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BNA09448.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 37 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1600	U
51-28-5	2,4-Dinitrophenol	1600	U
132-64-9	Dibenzofuran	1600	U
100-02-7	4-Nitrophenol	1600	U
121-14-2	2,4-Dinitrotoluene	1600	U
84-66-2	Diethylphthalate	1600	U
86-73-7	Fluorene	1600	U
7005-72-3	4-Chlorophenyl-phenylether	1600	U
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-methylphenol	1600	U
86-30-6	n-Nitrosodiphenylamine	1600	U
103-33-3	Azobenzene	1600	U
101-55-3	4-Bromophenyl-phenylether	1600	U
118-74-1	Hexachlorobenzene	1600	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	1600	U
120-12-7	Anthracene	1600	U
84-74-2	Di-n-butylphthalate	1600	U
206-44-0	Fluoranthene	160	J
92-87-5	Benzidine	1600	U
129-00-0	Pyrene	180	J
85-68-7	Butylbenzylphthalate	1600	U
56-55-3	Benzo[a]anthracene	1600	U
91-94-1	3,3'-Dichlorobenzidine	1600	U
218-01-9	Chrysene	1600	U
117-81-7	bis(2-Ethylhexyl)phthalate	1600	U
117-84-0	Di-n-octylphthalate	1600	U
205-99-2	Benzo[b]fluoranthene	200	J
207-08-9	Benzo[k]fluoranthene	1600	U
50-32-8	Benzo[a]pyrene	1600	U
193-39-5	Indeno[1,2,3-cd]pyrene	1600	U
53-70-3	Dibenz[a,h]anthracene	1600	U
191-24-2	Benzo[g,h,i]perylene	1600	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B8 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010908

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BNA09448.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 37 decanted: (Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	7.18	830	J
2.		unknown	21.63	770	J
3.		unknown	22.01	820	J
4.	000109-29-5	Oxacycloheptadecan-2-one	22.79	690	JN
5.	000057-10-3	Hexadecanoic acid	22.89	1700	JN
6.		unknown	26.66	940	J
7.		unknown	26.82	1300	J
8.		unknown	27.23	780	J
9.	005155-70-4	1-Phenanthrenecarboxylic acid, 1	27.50	950	JN
10.	074685-30-6	5-Eicosene, (E)-	27.65	910	JN
11.	000112-92-5	1-Octadecanol	29.21	780	JN
12.		unknown	29.61	1100	J
13.	000301-02-0	9-Octadecenamide, (Z)-	29.90	990	JN
14.	000629-97-0	Docosane	30.61	1300	JN
15.	000297-03-0	Cyclotetracosane	30.67	1300	JN
16.		unknown	32.00	1200	J
17.	000629-94-7	Heneicosane	32.20	1600	JN
18.		unknown	32.43	2100	J
19.	000059-02-9	Vitamin E	32.75	2200	JN
20.	000083-47-6	.gamma.-Sitosterol	35.20	3400	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B9 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010911

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BNA09449.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 11.89 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
95-48-7	2-Methylphenol	1100	U
39638-32-9	bis(2-chloroisopropyl)ether	1100	U
106-44-5	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	270	J
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B9 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010911

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BNA09449.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 11.89 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1100	U
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	1100	U
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B9 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010911

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BNA09449.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 11.89 decanted: (Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.18	910	J
2. 000057-10-3	Hexadecanoic acid	22.88	600	JN
3. 005103-71-9	cis-Chlordane	24.66	780	JN
4. 000112-88-9	1-Octadecene	29.21	500	JN
5.	unknown	29.89	640	J
6. 000629-96-9	1-Eicosanol	30.67	650	JN
7. 000630-03-5	Nonacosane	32.20	670	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B10 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010914

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09450.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 29.38 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1400	U
62-75-9	N-nitroso-dimethylamine	1400	U
62-53-3	Aniline	1400	U
108-95-2	Phenol	1400	U
111-44-4	bis(2-Chloroethyl)ether	1400	U
95-57-8	2-Chlorophenol	1400	U
541-73-1	1,3-Dichlorobenzene	1400	U
106-46-7	1,4-Dichlorobenzene	1400	U
100-51-6	Benzyl alcohol	1400	U
95-50-1	1,2-Dichlorobenzene	1400	U
95-48-7	2-Methylphenol	1400	U
39638-32-9	bis(2-chloroisopropyl)ether	1400	U
106-44-5	4-Methylphenol	1400	U
621-64-7	n-Nitroso-di-n-propylamine	1400	U
67-72-1	Hexachloroethane	1400	U
98-95-3	Nitrobenzene	1400	U
78-59-1	Isophorone	1400	U
88-75-5	2-Nitrophenol	1400	U
105-67-9	2,4-Dimethylphenol	1400	U
111-91-1	bis(2-Chloroethoxy)methane	1400	U
120-83-2	2,4-Dichlorophenol	1400	U
65-85-0	Benzoic Acid	1400	U
120-82-1	1,2,4-Trichlorobenzene	1400	U
91-20-3	Naphthalene	1400	U
106-47-8	4-Chloroaniline	1400	U
87-68-3	Hexachlorobutadiene	1400	U
59-50-7	4-Chloro-3-methylphenol	1400	U
91-57-6	2-Methylnaphthalene	1400	U
77-47-4	Hexachlorocyclopentadiene	1400	U
88-06-2	2,4,6-Trichlorophenol	1400	U
95-95-4	2,4,5-Trichlorophenol	1400	U
91-58-7	2-Chloronaphthalene	1400	U
88-74-4	2-Nitroaniline	1400	U
131-11-3	Dimethylphthalate	1400	U
208-96-8	Acenaphthylene	1400	U
606-20-2	2,6-Dinitrotoluene	1400	U
99-09-2	3-Nitroaniline	1400	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B10 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010914

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09450.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 29.38 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1400	U
51-28-5	2,4-Dinitrophenol	1400	U
132-64-9	Dibenzofuran	1400	U
100-02-7	4-Nitrophenol	1400	U
121-14-2	2,4-Dinitrotoluene	1400	U
84-66-2	Diethylphthalate	1400	U
86-73-7	Fluorene	1400	U
7005-72-3	4-Chlorophenyl-phenylether	1400	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-methylphenol	1400	U
86-30-6	n-Nitrosodiphenylamine	1400	U
103-33-3	Azobenzene	1400	U
101-55-3	4-Bromophenyl-phenylether	1400	U
118-74-1	Hexachlorobenzene	1400	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	1400	U
120-12-7	Anthracene	1400	U
84-74-2	Di-n-butylphthalate	1400	U
206-44-0	Fluoranthene	370	J
92-87-5	Benzidine	1400	U
129-00-0	Pyrene	320	J
85-68-7	Butylbenzylphthalate	1400	U
56-55-3	Benzo[a]anthracene	210	J
91-94-1	3,3'-Dichlorobenzidine	1400	U
218-01-9	Chrysene	230	J
117-81-7	bis(2-Ethylhexyl)phthalate	1400	U
117-84-0	Di-n-octylphthalate	1400	U
205-99-2	Benzo[b]fluoranthene	350	J
207-08-9	Benzo[k]fluoranthene	1400	U
50-32-8	Benzo[a]pyrene	240	J
193-39-5	Indeno[1,2,3-cd]pyrene	1400	U
53-70-3	Dibenz[a,h]anthracene	1400	U
191-24-2	Benzo[g,h,i]perylene	150	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B10 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010914

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09450.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 29.38 decanted: (Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	7.18	1200	J
2.	000544-63-8	Tetradecanoic acid	22.88	1100	JN
3.	006624-79-9	1-Dotriacontanol	27.65	760	JN
4.	001599-67-3	1-Docosene	29.22	980	JN
5.		unknown	29.90	770	J
6.	000629-92-5	Nonadecane	30.62	1100	JN
7.	000297-03-0	Cyclotetracosane	30.67	980	JN
8.	000629-59-4	Tetradecane	32.20	1400	JN
9.		unknown	32.76	1000	J
10.	000083-47-6	.gamma.-Sitosterol	35.20	2100	JN

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B11 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012102

Sample wt/vol: 10.21 (g/ml) G Lab File ID: BN07223.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 18.04 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/24/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B11 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012102

Sample wt/vol: 10.21 (g/ml) G Lab File ID: BN07223.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 18.04 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/24/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	260	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	190	J
206-44-0	Fluoranthene	290	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	360	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	200	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	220	J
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	170	J
207-08-9	Benzo[k]fluoranthene	150	J
50-32-8	Benzo[a]pyrene	130	J
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	130	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **B11 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012102

Sample wt/vol: 10.21 (g/ml) G Lab File ID: BN07223.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 18.04 decanted: (Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/24/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.93	2400	J
2. 017851-53-5	1,2-Benzenedicarboxylic acid, but	21.46	970	JN
3.	unknown	22.20	1300	J
4. 000057-10-3	Hexadecanoic acid	22.29	2100	JN
5. 000112-80-1	Oleic Acid	23.98	820	JN
6. 000629-92-5	Nonadecane	29.89	840	JN
7. 000593-49-7	Heptacosane	31.25	1300	JN

000272

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Dupe 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012105

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BN07224.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 23.19 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/24/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Dupe 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012105

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BN07224.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 23.19 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/24/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	160	J
120-12-7	Anthracene	1300	U
84-74-2	Di-n-butylphthalate	400	J
206-44-0	Fluoranthene	260	J
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	240	J
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	160	J
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	160	J
117-81-7	bis(2-Ethylhexyl)phthalate	1300	U
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	150	J
207-08-9	Benzo[k]fluoranthene	130	J
50-32-8	Benzo[a]pyrene	170	J
193-39-5	Indeno[1,2,3-cd]pyrene	1300	U
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	1300	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **Dupe 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012105

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BN07224.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 23.19 decanted: (Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/24/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.93	1900	J
2. 000084-64-0	1,2-Benzenedicarboxylic acid, but	21.45	890	JN
3. 000057-10-3	Hexadecanoic acid	22.29	620	JN
4. 001560-92-5	Hexadecane, 2-methyl-	31.25	730	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B12 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010917

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BNA09451.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 35.77 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1600	U
62-75-9	N-nitroso-dimethylamine	1600	U
62-53-3	Aniline	1600	U
108-95-2	Phenol	1600	U
111-44-4	bis(2-Chloroethyl)ether	1600	U
95-57-8	2-Chlorophenol	1600	U
541-73-1	1,3-Dichlorobenzene	1600	U
106-46-7	1,4-Dichlorobenzene	1600	U
100-51-6	Benzyl alcohol	1600	U
95-50-1	1,2-Dichlorobenzene	1600	U
95-48-7	2-Methylphenol	1600	U
39638-32-9	bis(2-chloroisopropyl)ether	1600	U
106-44-5	4-Methylphenol	1600	U
621-64-7	n-Nitroso-di-n-propylamine	1600	U
67-72-1	Hexachloroethane	1600	U
98-95-3	Nitrobenzene	1600	U
78-59-1	Isophorone	1600	U
88-75-5	2-Nitrophenol	1600	U
105-67-9	2,4-Dimethylphenol	1600	U
111-91-1	bis(2-Chloroethoxy)methane	1600	U
120-83-2	2,4-Dichlorophenol	1600	U
65-85-0	Benzoic Acid	1600	U
120-82-1	1,2,4-Trichlorobenzene	1600	U
91-20-3	Naphthalene	1600	U
106-47-8	4-Chloroaniline	1600	U
87-68-3	Hexachlorobutadiene	1600	U
59-50-7	4-Chloro-3-methylphenol	1600	U
91-57-6	2-Methylnaphthalene	1600	U
77-47-4	Hexachlorocyclopentadiene	1600	U
88-06-2	2,4,6-Trichlorophenol	1600	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	1600	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethylphthalate	1600	U
208-96-8	Acenaphthylene	1600	U
606-20-2	2,6-Dinitrotoluene	1600	U
99-09-2	3-Nitroaniline	1600	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B12 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010917

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BNA09451.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 35.77 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1600	U
51-28-5	2,4-Dinitrophenol	1600	U
132-64-9	Dibenzofuran	1600	U
100-02-7	4-Nitrophenol	1600	U
121-14-2	2,4-Dinitrotoluene	1600	U
84-66-2	Diethylphthalate	1600	U
86-73-7	Fluorene	1600	U
7005-72-3	4-Chlorophenyl-phenylether	1600	U
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-methylphenol	1600	U
86-30-6	n-Nitrosodiphenylamine	1600	U
103-33-3	Azobenzene	1600	U
101-55-3	4-Bromophenyl-phenylether	1600	U
118-74-1	Hexachlorobenzene	1600	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	1600	U
120-12-7	Anthracene	1600	U
84-74-2	Di-n-butylphthalate	1600	U
206-44-0	Fluoranthene	1600	U
92-87-5	Benzidine	1600	U
129-00-0	Pyrene	1600	U
85-68-7	Butylbenzylphthalate	1600	U
56-55-3	Benzo[a]anthracene	1600	U
91-94-1	3,3'-Dichlorobenzidine	1600	U
218-01-9	Chrysene	1600	U
117-81-7	bis(2-Ethylhexyl)phthalate	1600	U
117-84-0	Di-n-octylphthalate	1600	U
205-99-2	Benzo[b]fluoranthene	1600	U
207-08-9	Benzo[k]fluoranthene	1600	U
50-32-8	Benzo[a]pyrene	1600	U
193-39-5	Indeno[1,2,3-cd]pyrene	1600	U
53-70-3	Dibenz[a,h]anthracene	1600	U
191-24-2	Benzo[g,h,i]perylene	1600	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B12 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010917

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BNA09451.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 35.77 decanted: (Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 9 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	7.17	1100	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	22.01	1200	JN
3.	002091-29-4	9-Hexadecenoic acid	22.80	1800	JN
4.	000057-10-3	Hexadecanoic acid	22.88	1400	JN
5.	006624-79-9	1-Dotriacontanol	27.65	750	JN
6.	001454-84-8	1-Nonadecanol	29.21	640	JN
7.		unknown	29.90	950	J
8.		unknown	34.57	1900	J
9.		unknown	35.19	910	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B13 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010920

Sample wt/vol: 10.33 (g/ml) G Lab File ID: BNA09452.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 21.04 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	170	J
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B13 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010920

Sample wt/vol: 10.33 (g/ml) G Lab File ID: BNA09452.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 21.04 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	130	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	140	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	150	J
207-08-9	Benzo[k]fluoranthene	1200	U
50-32-8	Benzo[a]pyrene	1200	U
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B13 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40109 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4010920

Sample wt/vol: 10.33 (g/ml) G Lab File ID: BNA09452.D

Level: (low/med) LOW Date Received: 2/9/2004

% Moisture: 21.04 decanted: (Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.18	950	J
2. 017851-53-5	1,2-Benzenedicarboxylic acid, but	22.01	570	JN
3.	unknown	29.90	660	J
4. 019047-85-9	Phosphonic acid, dioctadecyl este	30.67	600	JN
5.	unknown	32.18	9700	J
6. 000057-88-5	Cholesterol	32.91	1100	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B14 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011202

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09453.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 15.18 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	920	J
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B14 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011202

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09453.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 15.18 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	180	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	200	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	130	J
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	160	J
207-08-9	Benzo[k]fluoranthene	1200	U
50-32-8	Benzo[a]pyrene	1200	U
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B14 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011202

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09453.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 15.18 decanted: (Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 10 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	7.18	470	J
2.	003734-48-3	Chlordene	21.61	840	JN
3.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	22.02	580	JN
4.	000076-44-8	Heptachlor	22.67	1100	JN
5.		unknown	24.19	540	J
6.	005103-74-2	trans-Chlordane	24.67	3100	JN
7.		unknown	29.90	660	J
8.	000000-00-0	1-Hexacosanal	30.24	740	JN
9.	013475-75-7	Pentadecane, 8-hexyl-	30.62	860	JN
10.	000629-94-7	Heneicosane	32.20	1100	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B15 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011205

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BNA09454.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 18.96 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B15 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011205

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BNA09454.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 18.96 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	200	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	200	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	140	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	150	J
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	170	J
207-08-9	Benzo[k]fluoranthene	150	J
50-32-8	Benzo[a]pyrene	160	J
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B15 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011205

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BNA09454.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 18.96 decanted: (Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.18	1500	J
2. 017851-53-5	1,2-Benzenedicarboxylic acid, but	22.02	630	JN
3. 000057-10-3	Hexadecanoic acid	22.88	620	JN
4.	unknown	29.90	720	J
5. 013475-76-8	Docosane, 11-butyl-	30.61	740	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B16 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011208

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BNA09455.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 23.98 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B16 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011208

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BNA09455.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 23.98 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	1300	U
84-74-2	Di-n-butylphthalate	1300	U
206-44-0	Fluoranthene	250	J
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	240	J
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	140	J
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	170	J
117-81-7	bis(2-Ethylhexyl)phthalate	1300	U
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	260	J
207-08-9	Benzo[k]fluoranthene	1300	U
50-32-8	Benzo[a]pyrene	170	J
193-39-5	Indeno[1,2,3-cd]pyrene	1300	U
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	1300	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B16 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011208

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BNA09455.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 23.98 decanted: (Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 11 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.18	1100	J
2. 002091-29-4	9-Hexadecenoic acid	22.80	1000	JN
3. 000057-10-3	Hexadecanoic acid	22.89	1100	JN
4. 006765-39-5	1-Heptadecene	27.66	1100	JN
5. 000661-19-8	1-Docosanol	29.22	1400	JN
6.	unknown	29.90	780	J
7. 013475-76-8	Docosane, 11-butyl-	30.62	1400	JN
8. 018435-45-5	1-Nonadecene	30.68	850	JN
9. 054833-23-7	Eicosane, 10-methyl-	32.21	1600	JN
10. 000059-02-9	Vitamin E	32.76	1200	JN
11.	unknown	35.21	1700	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B17 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011211

Sample wt/vol: 10.11 (g/ml) G Lab File ID: BNA09456.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 21.83 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	130	J
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011211

Sample wt/vol: 10.11 (g/ml) G Lab File ID: BNA09456.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 21.83 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	1300	U
120-12-7	Anthracene	1300	U
84-74-2	Di-n-butylphthalate	1300	U
206-44-0	Fluoranthene	170	J
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	190	J
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	1300	U
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	130	J
117-81-7	bis(2-Ethylhexyl)phthalate	1300	U
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	150	J
207-08-9	Benzo[k]fluoranthene	1300	U
50-32-8	Benzo[a]pyrene	1300	U
193-39-5	Indeno[1,2,3-cd]pyrene	1300	U
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	1300	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011211

Sample wt/vol: 10.11 (g/ml) G Lab File ID: BNA09456.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 21.83 decanted: (Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 8 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.18	690	J
2. 000109-29-5	Oxacycloheptadecan-2-one	22.80	1100	JN
3. 000057-10-3	Hexadecanoic acid	22.89	840	JN
4. 006971-40-0	17-Pentatriacontene	27.66	760	JN
5.	unknown	29.90	840	J
6. 000629-92-5	Nonadecane	30.61	1000	JN
7. 000000-00-0	10-Heneicosene (c,t)	30.67	770	JN
8. 000629-94-7	Heneicosane	32.21	1300	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID: **B18 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011214

Sample wt/vol: 9.99 (g/ml) G Lab File ID: BN07199.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 19.38 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B18 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011214

Sample wt/vol: 9.99 (g/ml) G Lab File ID: BN07199.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 19.38 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
50-32-8	Benzo[a]pyrene	1200	U
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: B18 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011214

Sample wt/vol: 9.99 (g/ml) G Lab File ID: BN07199.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 19.38 decanted: (Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.06	770	J

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B19 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011217

Sample wt/vol: 10 (g/ml) G Lab File ID: BN07200.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 20.19 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B19 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011217

Sample wt/vol: 10 (g/ml) G Lab File ID: BN07200.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 20.19 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
50-32-8	Benzo[a]pyrene	1200	U
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

096298

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **B19 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011217

Sample wt/vol: 10 (g/ml) G Lab File ID: BN07200.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 20.19 decanted: (Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	6.99	1100	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.48	610	JN
3.	000057-10-3	Hexadecanoic acid	22.31	1000	JN
4.	000544-76-3	Hexadecane	27.01	570	JN
5.	000630-01-3	Hexacosane	28.50	700	JN
6.	000593-45-3	Octadecane	29.91	2200	JN
7.	000112-88-9	1-Octadecene	29.99	1500	JN
8.	000593-45-3	Octadecane	31.28	3600	JN

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B20 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011220

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN07201.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 31.35 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1400	U
62-75-9	N-nitroso-dimethylamine	1400	U
62-53-3	Aniline	1400	U
108-95-2	Phenol	1400	U
111-44-4	bis(2-Chloroethyl)ether	1400	U
95-57-8	2-Chlorophenol	1400	U
541-73-1	1,3-Dichlorobenzene	1400	U
106-46-7	1,4-Dichlorobenzene	1400	U
100-51-6	Benzyl alcohol	1400	U
95-50-1	1,2-Dichlorobenzene	1400	U
95-48-7	2-Methylphenol	1400	U
39638-32-9	bis(2-chloroisopropyl)ether	1400	U
106-44-5	4-Methylphenol	1400	U
621-64-7	n-Nitroso-di-n-propylamine	1400	U
67-72-1	Hexachloroethane	1400	U
98-95-3	Nitrobenzene	1400	U
78-59-1	Isophorone	1400	U
88-75-5	2-Nitrophenol	1400	U
105-67-9	2,4-Dimethylphenol	1400	U
111-91-1	bis(2-Chloroethoxy)methane	1400	U
120-83-2	2,4-Dichlorophenol	1400	U
65-85-0	Benzoic Acid	1400	U
120-82-1	1,2,4-Trichlorobenzene	1400	U
91-20-3	Naphthalene	1400	U
106-47-8	4-Chloroaniline	1400	U
87-68-3	Hexachlorobutadiene	1400	U
59-50-7	4-Chloro-3-methylphenol	1400	U
91-57-6	2-Methylnaphthalene	1400	U
77-47-4	Hexachlorocyclopentadiene	1400	U
88-06-2	2,4,6-Trichlorophenol	1400	U
95-95-4	2,4,5-Trichlorophenol	1400	U
91-58-7	2-Chloronaphthalene	1400	U
88-74-4	2-Nitroaniline	1400	U
131-11-3	Dimethylphthalate	1400	U
208-96-8	Acenaphthylene	1400	U
606-20-2	2,6-Dinitrotoluene	1400	U
99-09-2	3-Nitroaniline	1400	U

1C

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B20 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011220

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN07201.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 31.35 decanted:(Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1400	U
51-28-5	2,4-Dinitrophenol	1400	U
132-64-9	Dibenzofuran	1400	U
100-02-7	4-Nitrophenol	1400	U
121-14-2	2,4-Dinitrotoluene	1400	U
84-66-2	Diethylphthalate	1400	U
86-73-7	Fluorene	1400	U
7005-72-3	4-Chlorophenyl-phenylether	1400	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-methylphenol	1400	U
86-30-6	n-Nitrosodiphenylamine	1400	U
103-33-3	Azobenzene	1400	U
101-55-3	4-Bromophenyl-phenylether	1400	U
118-74-1	Hexachlorobenzene	1400	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	1400	U
120-12-7	Anthracene	1400	U
84-74-2	Di-n-butylphthalate	2400	
206-44-0	Fluoranthene	1400	U
92-87-5	Benzidine	1400	U
129-00-0	Pyrene	150	J
85-68-7	Butylbenzylphthalate	1400	U
56-55-3	Benzo[a]anthracene	1400	U
91-94-1	3,3'-Dichlorobenzidine	1400	U
218-01-9	Chrysene	1400	U
117-81-7	bis(2-Ethylhexyl)phthalate	1400	U
117-84-0	Di-n-octylphthalate	1400	U
205-99-2	Benzo[b]fluoranthene	1400	U
207-08-9	Benzo[k]fluoranthene	1400	U
50-32-8	Benzo[a]pyrene	1400	U
193-39-5	Indeno[1,2,3-cd]pyrene	1400	U
53-70-3	Dibenz[a,h]anthracene	1400	U
191-24-2	Benzo[g,h,i]perylene	1400	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **B20 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40112 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011220

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN07201.D

Level: (low/med) LOW Date Received: 2/10/2004

% Moisture: 31.35 decanted: (Y/N) N Date Extracted: 2/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.99	800	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.48	1500	JN
3. 000057-10-3	Hexadecanoic acid	22.31	950	JN
4. 000112-95-8	Eicosane	29.91	1200	JN
5. 000630-01-3	Hexacosane	31.27	1500	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B21 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011502

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BNA09461.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 8.58 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
95-48-7	2-Methylphenol	1100	U
39638-32-9	bis(2-chloroisopropyl)ether	1100	U
106-44-5	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	630	J
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B21 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011502

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BNA09461.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 8.58 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1100	U
206-44-0	Fluoranthene	160	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	160	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	1100	U
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B21 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011502

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BNA09461.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 8.58 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.17	960	J
2. 000057-10-3	Hexadecanoic acid	22.88	550	JN
3.	unknown	27.30	1300	J
4.	unknown	29.90	440	J
5. 000593-45-3	Octadecane	30.61	1300	JN
6. 000629-92-5	Nonadecane	32.19	1100	JN
7.	unknown	32.42	450	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Dupe

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011505

Sample wt/vol: 10.11 (g/ml) G Lab File ID: BNA09465.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 20.82 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	1100	J
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Dupe

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011505

Sample wt/vol: 10.11 (g/ml) G Lab File ID: BNA09465.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 20.82 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	1300	U
120-12-7	Anthracene	1300	U
84-74-2	Di-n-butylphthalate	1300	U
206-44-0	Fluoranthene	150	J
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	180	J
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	1300	U
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	1300	U
117-81-7	bis(2-Ethylhexyl)phthalate	1300	U
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	1300	U
207-08-9	Benzo[k]fluoranthene	1300	U
50-32-8	Benzo[a]pyrene	1300	U
193-39-5	Indeno[1,2,3-cd]pyrene	1300	U
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	1300	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Dupe

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011505

Sample wt/vol: 10.11 (g/ml) G Lab File ID: BNA09465.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 20.82 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 11 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.17	1600	J
2. 000080-56-8	.alpha.-Pinene	9.07	1500	JN
3. 000621-82-9	2-Propenoic acid, 3-phenyl-	16.88	660	JN
4. 000057-10-3	Hexadecanoic acid	22.89	1300	JN
5.	unknown	25.89	710	J
6.	unknown	27.31	9700	J
7. 074685-33-9	3-Eicosene, (E)-	27.65	830	JN
8. 000646-31-1	Tetracosane	30.61	1700	JN
9. 000297-03-0	Cyclotetracosane	30.67	1800	JN
10. 000629-94-7	Heneicosane	32.20	1500	JN
11.	unknown	35.19	2800	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B22 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011508

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BNA09466.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 22.61 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	200	J
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B22 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011508

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BNA09466.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 22.61 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	1300	U
120-12-7	Anthracene	1300	U
84-74-2	Di-n-butylphthalate	1300	U
206-44-0	Fluoranthene	1300	U
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	1300	U
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	1300	U
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	1300	U
117-81-7	bis(2-Ethylhexyl)phthalate	1300	U
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	1300	U
207-08-9	Benzo[k]fluoranthene	1300	U
50-32-8	Benzo[a]pyrene	1300	U
193-39-5	Indeno[1,2,3-cd]pyrene	1300	U
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	1300	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B22 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011508

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BNA09466.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 22.61 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	7.17	1500	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	22.01	570	JN
3.	002733-88-2	15-Tetracosenoic acid, methyl est	22.79	890	JN
4.	000057-10-3	Hexadecanoic acid	22.89	1800	JN
5.		unknown	24.64	720	J
6.	019047-85-9	Phosphonic acid, dioctadecyl este	27.65	960	JN
7.	001454-85-9	1-Heptadecanol	29.21	670	JN
8.		unknown	29.90	690	J
9.	000630-03-5	Nonacosane	30.61	1100	JN
10.	001454-84-8	1-Nonadecanol	30.67	750	JN
11.	000112-95-8	Eicosane	32.19	2200	JN
12.	000083-47-6	.gamma.-Sitosterol	35.19	1800	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B23 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011511

Sample wt/vol: 10.26 (g/ml) G Lab File ID: BNA09467.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 22.27 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	200	J
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B23 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011511

Sample wt/vol: 10.26 (g/ml) G Lab File ID: BNA09467.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 22.27 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	150	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	160	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
50-32-8	Benzo[a]pyrene	1200	U
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B23 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011511

Sample wt/vol: 10.26 (g/ml) G Lab File ID: BNA09467.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 22.27 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 12 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	7.17	1800	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	22.01	530	JN
3.	000057-10-3	Hexadecanoic acid	22.89	1500	JN
4.	006765-39-5	1-Heptadecene	27.65	1300	JN
5.	000112-85-6	Docosanoic acid	28.21	560	JN
6.	001454-84-8	1-Nonadecanol	29.22	840	JN
7.		unknown	29.90	610	J
8.	056554-86-0	17-Octadecenal	30.23	770	JN
9.	000629-62-9	Pentadecane	30.61	1100	JN
10.	001454-84-8	1-Nonadecanol	30.67	1600	JN
11.	000593-45-3	Octadecane	32.20	2000	JN
12.		unknown	35.19	1200	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B24 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011514

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BNA09468.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 23.06 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B24 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011514

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BNA09468.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 23.06 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	1300	U
120-12-7	Anthracene	1300	U
84-74-2	Di-n-butylphthalate	1300	U
206-44-0	Fluoranthene	1300	U
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	1300	U
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	1300	U
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	1300	U
117-81-7	bis(2-Ethylhexyl)phthalate	1300	U
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	1300	U
207-08-9	Benzo[k]fluoranthene	1300	U
50-32-8	Benzo[a]pyrene	1300	U
193-39-5	Indeno[1,2,3-cd]pyrene	1300	U
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	1300	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B24 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011514

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BNA09468.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 23.06 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	7.17	1600	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	22.02	1500	JN
3.	000057-10-3	Hexadecanoic acid	22.89	950	JN
4.	006765-39-5	1-Heptadecene	27.66	910	JN
5.		unknown	29.90	580	J
6.	000124-25-4	Tetradecanal	30.24	690	JN
7.	000593-49-7	Heptacosane	30.61	720	JN
8.	000297-03-0	Cyclotetracosane	30.67	1000	JN
9.	000112-95-8	Eicosane	32.20	1600	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B25 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011517

Sample wt/vol: 10.21 (g/ml) G Lab File ID: BNA09469.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 19.02 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B25 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011517

Sample wt/vol: 10.21 (g/ml) G Lab File ID: BNA09469.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 19.02 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
50-32-8	Benzo[a]pyrene	1200	U
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B25 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011517

Sample wt/vol: 10.21 (g/ml) G Lab File ID: BNA09469.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 19.02 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	7.17	1400	J
2.	017851-53-5	1,2-Benzenedicarboxylic acid, but	22.01	500	JN
3.	000057-10-3	Hexadecanoic acid	22.88	590	JN
4.	000295-65-8	Cyclohexadecane	27.66	600	JN
5.		unknown	29.89	530	J
6.	000629-94-7	Heneicosane	30.61	570	JN
7.	000629-62-9	Pentadecane	32.20	1100	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B26 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011520

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BNA09470.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 24.32 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	140	J
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B26 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011520

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BNA09470.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 24.32 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	1300	U
120-12-7	Anthracene	1300	U
84-74-2	Di-n-butylphthalate	1300	U
206-44-0	Fluoranthene	140	J
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	160	J
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	1300	U
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	1300	U
117-81-7	bis(2-Ethylhexyl)phthalate	1300	U
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	1300	U
207-08-9	Benzo[k]fluoranthene	1300	U
50-32-8	Benzo[a]pyrene	1300	U
193-39-5	Indeno[1,2,3-cd]pyrene	1300	U
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	1300	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B26 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40115 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011520

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BNA09470.D

Level: (low/med) LOW Date Received: 2/11/2004

% Moisture: 24.32 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	7.17	1700	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	22.01	670	JN
3.	000057-10-3	Hexadecanoic acid	22.88	980	JN
4.	040710-42-7	1-Hentetracontanol	27.66	890	JN
5.		unknown	29.90	600	J
6.	056554-86-0	17-Octadecenal	30.24	890	JN
7.	000630-03-5	Nonacosane	30.61	1400	JN
8.	001454-84-8	1-Nonadecanol	30.67	1700	JN
9.	000593-45-3	Octadecane	32.20	2200	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B27 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011702

Sample wt/vol: 10.32 (g/ml) G Lab File ID: BNA09471.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 39.63 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1600	U
62-75-9	N-nitroso-dimethylamine	1600	U
62-53-3	Aniline	1600	U
108-95-2	Phenol	1600	U
111-44-4	bis(2-Chloroethyl)ether	1600	U
95-57-8	2-Chlorophenol	1600	U
541-73-1	1,3-Dichlorobenzene	1600	U
106-46-7	1,4-Dichlorobenzene	1600	U
100-51-6	Benzyl alcohol	1600	U
95-50-1	1,2-Dichlorobenzene	1600	U
95-48-7	2-Methylphenol	1600	U
39638-32-9	bis(2-chloroisopropyl)ether	1600	U
106-44-5	4-Methylphenol	1600	U
621-64-7	n-Nitroso-di-n-propylamine	1600	U
67-72-1	Hexachloroethane	1600	U
98-95-3	Nitrobenzene	1600	U
78-59-1	Isophorone	1600	U
88-75-5	2-Nitrophenol	1600	U
105-67-9	2,4-Dimethylphenol	1600	U
111-91-1	bis(2-Chloroethoxy)methane	1600	U
120-83-2	2,4-Dichlorophenol	1600	U
65-85-0	Benzoic Acid	1600	U
120-82-1	1,2,4-Trichlorobenzene	1600	U
91-20-3	Naphthalene	1600	U
106-47-8	4-Chloroaniline	1600	U
87-68-3	Hexachlorobutadiene	1600	U
59-50-7	4-Chloro-3-methylphenol	1600	U
91-57-6	2-Methylnaphthalene	1600	U
77-47-4	Hexachlorocyclopentadiene	1600	U
88-06-2	2,4,6-Trichlorophenol	1600	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	1600	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethylphthalate	1600	U
208-96-8	Acenaphthylene	1600	U
606-20-2	2,6-Dinitrotoluene	1600	U
99-09-2	3-Nitroaniline	1600	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B27 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011702

Sample wt/vol: 10.32 (g/ml) G Lab File ID: BNA09471.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 39.63 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1600	U
51-28-5	2,4-Dinitrophenol	1600	U
132-64-9	Dibenzofuran	1600	U
100-02-7	4-Nitrophenol	1600	U
121-14-2	2,4-Dinitrotoluene	1600	U
84-66-2	Diethylphthalate	1600	U
86-73-7	Fluorene	1600	U
7005-72-3	4-Chlorophenyl-phenylether	1600	U
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-methylphenol	1600	U
86-30-6	n-Nitrosodiphenylamine	1600	U
103-33-3	Azobenzene	1600	U
101-55-3	4-Bromophenyl-phenylether	1600	U
118-74-1	Hexachlorobenzene	1600	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	1600	U
120-12-7	Anthracene	1600	U
84-74-2	Di-n-butylphthalate	1600	U
206-44-0	Fluoranthene	1600	U
92-87-5	Benzidine	1600	U
129-00-0	Pyrene	1600	U
85-68-7	Butylbenzylphthalate	1600	U
56-55-3	Benzo[a]anthracene	1600	U
91-94-1	3,3'-Dichlorobenzidine	1600	U
218-01-9	Chrysene	1600	U
117-81-7	bis(2-Ethylhexyl)phthalate	1600	U
117-84-0	Di-n-octylphthalate	1600	U
205-99-2	Benzo[b]fluoranthene	1600	U
207-08-9	Benzo[k]fluoranthene	1600	U
50-32-8	Benzo[a]pyrene	1600	U
193-39-5	Indeno[1,2,3-cd]pyrene	1600	U
53-70-3	Dibenz[a,h]anthracene	1600	U
191-24-2	Benzo[g,h,i]perylene	1600	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B27 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011702

Sample wt/vol: 10.32 (g/ml) G Lab File ID: BNA09471.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 39.63 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	22.01	1600	JN
2.	000057-10-3	Hexadecanoic acid	22.88	1100	JN
3.	000629-94-7	Heneicosane	30.62	680	JN
4.	000297-03-0	Cyclotetracosane	30.67	1500	JN
5.	000593-45-3	Octadecane	32.19	2100	JN

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B28 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011705

Sample wt/vol: 10.21 (g/ml) G Lab File ID: BNA09472.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 23.93 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	330	J
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B28 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011705

Sample wt/vol: 10.21 (g/ml) G Lab File ID: BNA09472.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 23.93 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	1300	U
120-12-7	Anthracene	1300	U
84-74-2	Di-n-butylphthalate	1300	U
206-44-0	Fluoranthene	260	J
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	290	J
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	190	J
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	200	J
117-81-7	bis(2-Ethylhexyl)phthalate	1300	U
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	280	J
207-08-9	Benzo[k]fluoranthene	1300	U
50-32-8	Benzo[a]pyrene	190	J
193-39-5	Indeno[1,2,3-cd]pyrene	1300	U
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	1300	U

000328

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B28 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011705

Sample wt/vol: 10.21 (g/ml) G Lab File ID: BNA09472.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 23.93 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 24 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	7.17	2600	J
2.		unknown	16.73	1300	J
3.	000475-20-7	1,4-Methanoazulene, decahydro-	16.89	6500	JN
4.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	22.02	580	JN
5.		unknown	22.60	600	J
6.	002091-29-4	9-Hexadecenoic acid	22.79	630	JN
7.	000057-10-3	Hexadecanoic acid	22.90	2600	JN
8.	019407-28-4	Phenanthrene, 1,2,3,4,4a,9,10,10	24.17	980	JN
9.	000057-11-4	Octadecanoic acid	24.81	950	JN
10.		unknown	25.33	630	J
11.		unknown	26.09	650	J
12.	000511-15-9	2-Phenanthrenol, 4b,5,6,7,8,8a,9,	26.19	3300	JN
13.	000511-15-9	2-Phenanthrenol, 4b,5,6,7,8,8a,9,	26.48	25000	JN
14.		unknown	26.55	5100	J
15.		unknown	26.58	5000	J
16.		unknown	27.54	780	J
17.	001599-67-3	1-Docosene	27.66	1100	JN
18.	000112-85-6	Docosanoic acid	28.22	730	JN
19.	000511-05-7	9(1H)-Phenanthrenone, 2,3,4,4a,	29.01	1100	JN
20.		unknown	29.90	620	J
21.	000630-03-5	Nonacosane	30.61	930	JN
22.	000629-96-9	1-Eicosanol	30.67	2300	JN
23.	000629-97-0	Docosane	32.20	2000	JN
24.		unknown	32.31	3500	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B29 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011708

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BNA09473.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 28.7 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1400	U
62-75-9	N-nitroso-dimethylamine	1400	U
62-53-3	Aniline	1400	U
108-95-2	Phenol	1400	U
111-44-4	bis(2-Chloroethyl)ether	1400	U
95-57-8	2-Chlorophenol	1400	U
541-73-1	1,3-Dichlorobenzene	1400	U
106-46-7	1,4-Dichlorobenzene	1400	U
100-51-6	Benzyl alcohol	1400	U
95-50-1	1,2-Dichlorobenzene	1400	U
95-48-7	2-Methylphenol	1400	U
39638-32-9	bis(2-chloroisopropyl)ether	1400	U
106-44-5	4-Methylphenol	1400	U
621-64-7	n-Nitroso-di-n-propylamine	1400	U
67-72-1	Hexachloroethane	1400	U
98-95-3	Nitrobenzene	1400	U
78-59-1	Isophorone	1400	U
88-75-5	2-Nitrophenol	1400	U
105-67-9	2,4-Dimethylphenol	1400	U
111-91-1	bis(2-Chloroethoxy)methane	1400	U
120-83-2	2,4-Dichlorophenol	1400	U
65-85-0	Benzoic Acid	320	J
120-82-1	1,2,4-Trichlorobenzene	1400	U
91-20-3	Naphthalene	1400	U
106-47-8	4-Chloroaniline	1400	U
87-68-3	Hexachlorobutadiene	1400	U
59-50-7	4-Chloro-3-methylphenol	1400	U
91-57-6	2-Methylnaphthalene	1400	U
77-47-4	Hexachlorocyclopentadiene	1400	U
88-06-2	2,4,6-Trichlorophenol	1400	U
95-95-4	2,4,5-Trichlorophenol	1400	U
91-58-7	2-Chloronaphthalene	1400	U
88-74-4	2-Nitroaniline	1400	U
131-11-3	Dimethylphthalate	1400	U
208-96-8	Acenaphthylene	1400	U
606-20-2	2,6-Dinitrotoluene	1400	U
99-09-2	3-Nitroaniline	1400	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B29 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011708

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BNA09473.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 28.7 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1400	U
51-28-5	2,4-Dinitrophenol	1400	U
132-64-9	Dibenzofuran	1400	U
100-02-7	4-Nitrophenol	1400	U
121-14-2	2,4-Dinitrotoluene	1400	U
84-66-2	Diethylphthalate	1400	U
86-73-7	Fluorene	1400	U
7005-72-3	4-Chlorophenyl-phenylether	1400	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-methylphenol	1400	U
86-30-6	n-Nitrosodiphenylamine	1400	U
103-33-3	Azobenzene	1400	U
101-55-3	4-Bromophenyl-phenylether	1400	U
118-74-1	Hexachlorobenzene	1400	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	1400	U
120-12-7	Anthracene	1400	U
84-74-2	Di-n-butylphthalate	1400	U
206-44-0	Fluoranthene	140	J
92-87-5	Benzidine	1400	U
129-00-0	Pyrene	170	J
85-68-7	Butylbenzylphthalate	1400	U
56-55-3	Benzo[a]anthracene	1400	U
91-94-1	3,3'-Dichlorobenzidine	1400	U
218-01-9	Chrysene	1400	U
117-81-7	bis(2-Ethylhexyl)phthalate	1400	U
117-84-0	Di-n-octylphthalate	1400	U
205-99-2	Benzo[b]fluoranthene	1400	U
207-08-9	Benzo[k]fluoranthene	1400	U
50-32-8	Benzo[a]pyrene	1400	U
193-39-5	Indeno[1,2,3-cd]pyrene	1400	U
53-70-3	Dibenz[a,h]anthracene	1400	U
191-24-2	Benzo[g,h,i]perylene	1400	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B29 0-6

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011708

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BNA09473.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 28.7 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	7.17	1800	J
2.	000541-02-6	Cyclopentasiloxane, decamethyl-	12.48	660	JN
3.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	22.02	630	JN
4.	000057-10-3	Hexadecanoic acid	22.89	930	JN
5.		unknown	29.90	670	J
6.	000629-94-7	Heneicosane	30.61	600	JN
7.	000000-00-0	9-Hexacosene	30.67	860	JN
8.	000544-76-3	Hexadecane	32.20	1100	JN

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B30 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011711

Sample wt/vol: 10.21 (g/ml) G Lab File ID: BN07205.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 25.61 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	3500	
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	510	J
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	430	J
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B30 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011711

Sample wt/vol: 10.21 (g/ml) G Lab File ID: BN07205.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 25.61 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	J
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	970	J
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1400	
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	9000	
120-12-7	Anthracene	2900	
84-74-2	Di-n-butylphthalate	300	J
206-44-0	Fluoranthene	9500	
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	6700	
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	3400	
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	2900	
117-81-7	bis(2-Ethylhexyl)phthalate	1300	U
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	2300	
207-08-9	Benzo[k]fluoranthene	2300	
50-32-8	Benzo[a]pyrene	2800	
193-39-5	Indeno[1,2,3-cd]pyrene	1500	
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	1400	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **B30 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011711

Sample wt/vol: 10.21 (g/ml) G Lab File ID: BN07205.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 25.61 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 24 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.96	1600	J
2.	unknown	12.49	650	J
3.	unknown	16.47	730	J
4. 000132-65-0	Dibenzothiophene	20.46	700	JN
5. 074410-42-7	D-Galactitol, 2-(acetylmethylamin	21.31	1000	JN
6. 017851-53-5	1,2-Benzenedicarboxylic acid, but	21.46	1900	JN
7. 000613-12-7	Anthracene, 2-methyl-	21.94	850	JN
8. 002531-84-2	Phenanthrene, 2-methyl-	22.00	1200	JN
9. 002531-84-2	Phenanthrene, 2-methyl-	22.09	680	JN
10.	unknown	22.20	1900	J
11. 000613-12-7	Anthracene, 2-methyl-	22.26	560	JN
12.	unknown	22.29	530	J
13. 035465-71-5	2-Phenylnaphthalene	22.67	1300	JN
14.	unknown	23.96	710	J
15. 000238-84-6	11H-Benzo[a]fluorene	24.98	1600	JN
16. 000243-17-4	11H-Benzo[b]fluorene	25.13	1100	JN
17. 000243-46-9	Benzo[b]naphtho[2,3-d]thiophene	26.44	650	JN
18.	unknown	26.54	1200	J
19.	unknown	27.29	830	J
20. 002381-31-9	Benz[a]anthracene, 8-methyl-	28.00	860	JN
21. 000198-55-0	Perylene	29.65	880	JN
22.	unknown	29.89	750	J
23. 000192-97-2	Benzo[e]pyrene	29.99	1900	JN
24. 000629-92-5	Nonadecane	31.26	1300	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID: **B31 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011714

Sample wt/vol: 9.99 (g/ml) G Lab File ID: BN07206.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 24.08 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B31 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011714

Sample wt/vol: 9.99 (g/ml) G Lab File ID: BN07206.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 24.08 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	1300	U
120-12-7	Anthracene	1300	U
84-74-2	Di-n-butylphthalate	270	J
206-44-0	Fluoranthene	160	J
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	160	J
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	1300	U
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	1300	U
117-81-7	bis(2-Ethylhexyl)phthalate	1300	U
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	1300	U
207-08-9	Benzo[k]fluoranthene	1300	U
50-32-8	Benzo[a]pyrene	1300	U
193-39-5	Indeno[1,2,3-cd]pyrene	1300	U
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	1300	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **B31 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011714

Sample wt/vol: 9.99 (g/ml) G Lab File ID: BN07206.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 24.08 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.97	1800	J
2. 000131-16-8	1,2-Benzenedicarboxylic acid, dip	21.47	1600	JN
3. 000057-10-3	Hexadecanoic acid	22.29	640	JN
4.	unknown	29.49	820	J
5. 000629-78-7	Heptadecane	29.90	670	JN
6. 001928-30-9	Tricosane, 2-methyl-	31.26	1200	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID: **B32 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011717

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN07207.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 25.82 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B32 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011717

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN07207.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 25.82 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	1300	U
120-12-7	Anthracene	1300	U
84-74-2	Di-n-butylphthalate	1300	U
206-44-0	Fluoranthene	160	J
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	170	J
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	1300	U
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	140	J
117-81-7	bis(2-Ethylhexyl)phthalate	1300	U
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	1300	U
207-08-9	Benzo[k]fluoranthene	1300	U
50-32-8	Benzo[a]pyrene	1300	U
193-39-5	Indeno[1,2,3-cd]pyrene	1300	U
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	1300	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **B32 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011717

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN07207.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 25.82 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.97	1500	J
2.	unknown	12.49	710	J
3.	unknown	21.47	670	J
4. 000057-10-3	Hexadecanoic acid	22.30	920	JN
5. 000123-95-5	Octadecanoic acid, butyl ester	26.10	550	JN
6.	unknown	29.49	1000	J
7. 000646-31-1	Tetracosane	29.90	1500	JN
8. 000593-45-3	Octadecane	31.27	2700	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID: B33 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011720

Sample wt/vol: 10.09 (g/ml) G Lab File ID: BN07208.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 23.14 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B33 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011720

Sample wt/vol: 10.09 (g/ml) G Lab File ID: BN07208.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 23.14 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	1300	U
120-12-7	Anthracene	1300	U
84-74-2	Di-n-butylphthalate	310	J
206-44-0	Fluoranthene	1300	U
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	1300	U
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	1300	U
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	1300	U
117-81-7	bis(2-Ethylhexyl)phthalate	1300	U
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	1300	U
207-08-9	Benzo[k]fluoranthene	1300	U
50-32-8	Benzo[a]pyrene	1300	U
193-39-5	Indeno[1,2,3-cd]pyrene	1300	U
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	1300	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **B33 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011720

Sample wt/vol: 10.09 (g/ml) G Lab File ID: BN07208.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 23.14 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.97	1600	J
2.	unknown	12.49	560	J
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.47	2100	JN
4. 000057-10-3	Hexadecanoic acid	22.29	740	JN
5. 000544-76-3	Hexadecane	29.90	810	JN
6.	unknown	31.26	1600	J

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B34 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011723

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BN07209.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 27.29 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1400	U
62-75-9	N-nitroso-dimethylamine	1400	U
62-53-3	Aniline	1400	U
108-95-2	Phenol	1400	U
111-44-4	bis(2-Chloroethyl)ether	1400	U
95-57-8	2-Chlorophenol	1400	U
541-73-1	1,3-Dichlorobenzene	1400	U
106-46-7	1,4-Dichlorobenzene	1400	U
100-51-6	Benzyl alcohol	1400	U
95-50-1	1,2-Dichlorobenzene	1400	U
95-48-7	2-Methylphenol	1400	U
39638-32-9	bis(2-chloroisopropyl)ether	1400	U
106-44-5	4-Methylphenol	1400	U
621-64-7	n-Nitroso-di-n-propylamine	1400	U
67-72-1	Hexachloroethane	1400	U
98-95-3	Nitrobenzene	1400	U
78-59-1	Isophorone	1400	U
88-75-5	2-Nitrophenol	1400	U
105-67-9	2,4-Dimethylphenol	1400	U
111-91-1	bis(2-Chloroethoxy)methane	1400	U
120-83-2	2,4-Dichlorophenol	1400	U
65-85-0	Benzoic Acid	8800	
120-82-1	1,2,4-Trichlorobenzene	1400	U
91-20-3	Naphthalene	1400	U
106-47-8	4-Chloroaniline	1400	U
87-68-3	Hexachlorobutadiene	1400	U
59-50-7	4-Chloro-3-methylphenol	1400	U
91-57-6	2-Methylnaphthalene	1400	U
77-47-4	Hexachlorocyclopentadiene	1400	U
88-06-2	2,4,6-Trichlorophenol	1400	U
95-95-4	2,4,5-Trichlorophenol	1400	U
91-58-7	2-Chloronaphthalene	1400	U
88-74-4	2-Nitroaniline	1400	U
131-11-3	Dimethylphthalate	1400	U
208-96-8	Acenaphthylene	1400	U
606-20-2	2,6-Dinitrotoluene	1400	U
99-09-2	3-Nitroaniline	1400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID: **B34 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011723

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BN07209.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 27.29 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1400	U
51-28-5	2,4-Dinitrophenol	1400	U
132-64-9	Dibenzofuran	1400	U
100-02-7	4-Nitrophenol	1400	U
121-14-2	2,4-Dinitrotoluene	1400	U
84-66-2	Diethylphthalate	1400	U
86-73-7	Fluorene	1400	U
7005-72-3	4-Chlorophenyl-phenylether	1400	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-methylphenol	1400	U
86-30-6	n-Nitrosodiphenylamine	1400	U
103-33-3	Azobenzene	1400	U
101-55-3	4-Bromophenyl-phenylether	1400	U
118-74-1	Hexachlorobenzene	1400	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	1400	U
120-12-7	Anthracene	1400	U
84-74-2	Di-n-butylphthalate	1400	U
206-44-0	Fluoranthene	150	J
92-87-5	Benzidine	1400	U
129-00-0	Pyrene	1400	U
85-68-7	Butylbenzylphthalate	1400	U
56-55-3	Benzo[a]anthracene	1400	U
91-94-1	3,3'-Dichlorobenzidine	1400	U
218-01-9	Chrysene	1400	U
117-81-7	bis(2-Ethylhexyl)phthalate	1400	U
117-84-0	Di-n-octylphthalate	1400	U
205-99-2	Benzo[b]fluoranthene	1400	U
207-08-9	Benzo[k]fluoranthene	1400	U
50-32-8	Benzo[a]pyrene	1400	U
193-39-5	Indeno[1,2,3-cd]pyrene	1400	U
53-70-3	Dibenz[a,h]anthracene	1400	U
191-24-2	Benzo[g,h,i]perylene	1400	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: B34 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011723

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BN07209.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 27.29 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	6.97	1200	J
2.		unknown	21.47	1600	J
3.	000057-10-3	Hexadecanoic acid	22.30	1600	JN
4.	000122-69-0	Cinnamyl cinnamate	26.47	6100	JN
5.	000593-45-3	Octadecane	29.90	1800	JN
6.	000112-88-9	1-Octadecene	30.00	1000	JN
7.	000638-67-5	Tricosane	31.26	3300	JN

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B35 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011726

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN07210.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 15.77 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID: **B35 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011726

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN07210.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 15.77 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
50-32-8	Benzo[a]pyrene	1200	U
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **B35 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40117 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011726

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN07210.D

Level: (low/med) LOW Date Received: 2/12/2004

% Moisture: 15.77 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.96	2000	J
2.	unknown	21.47	1600	J
3.	unknown	22.30	590	J
4. 000511-15-9	2-Phenanthrenol, 4b,5,6,7,8,8a,9,	25.74	2600	JN
5.	unknown	25.82	650	J
6.	unknown	29.79	7200	J
7. 000112-95-8	Eicosane	29.91	620	JN

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B36 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011802

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BN07211.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 18.25 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID: **B36 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011802

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BN07211.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 18.25 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	140	J
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
50-32-8	Benzo[a]pyrene	1200	U
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **B36 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011802

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BN07211.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 18.25 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	6.96	1700	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.47	660	JN
3.	000506-12-7	Heptadecanoic acid	22.30	1000	JN
4.		unknown	24.40	520	J
5.	006765-39-5	1-Heptadecene	28.57	600	JN
6.		unknown	29.50	760	J
7.	000544-76-3	Hexadecane	29.90	980	JN
8.	000112-88-9	1-Octadecene	29.99	1900	JN
9.	000593-45-3	Octadecane	31.27	1900	JN
10.		unknown	32.92	890	J

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B37 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011805

Sample wt/vol: 10.15 (g/ml) G Lab File ID: BN07212.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 27.91 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1400	U
62-75-9	N-nitroso-dimethylamine	1400	U
62-53-3	Aniline	1400	U
108-95-2	Phenol	1400	U
111-44-4	bis(2-Chloroethyl)ether	1400	U
95-57-8	2-Chlorophenol	1400	U
541-73-1	1,3-Dichlorobenzene	1400	U
106-46-7	1,4-Dichlorobenzene	1400	U
100-51-6	Benzyl alcohol	1400	U
95-50-1	1,2-Dichlorobenzene	1400	U
95-48-7	2-Methylphenol	1400	U
39638-32-9	bis(2-chloroisopropyl)ether	1400	U
106-44-5	4-Methylphenol	1400	U
621-64-7	n-Nitroso-di-n-propylamine	1400	U
67-72-1	Hexachloroethane	1400	U
98-95-3	Nitrobenzene	1400	U
78-59-1	Isophorone	1400	U
88-75-5	2-Nitrophenol	1400	U
105-67-9	2,4-Dimethylphenol	1400	U
111-91-1	bis(2-Chloroethoxy)methane	1400	U
120-83-2	2,4-Dichlorophenol	1400	U
65-85-0	Benzoic Acid	1400	U
120-82-1	1,2,4-Trichlorobenzene	1400	U
91-20-3	Naphthalene	1400	U
106-47-8	4-Chloroaniline	1400	U
87-68-3	Hexachlorobutadiene	1400	U
59-50-7	4-Chloro-3-methylphenol	1400	U
91-57-6	2-Methylnaphthalene	1400	U
77-47-4	Hexachlorocyclopentadiene	1400	U
88-06-2	2,4,6-Trichlorophenol	1400	U
95-95-4	2,4,5-Trichlorophenol	1400	U
91-58-7	2-Chloronaphthalene	1400	U
88-74-4	2-Nitroaniline	1400	U
131-11-3	Dimethylphthalate	1400	U
208-96-8	Acenaphthylene	1400	U
606-20-2	2,6-Dinitrotoluene	1400	U
99-09-2	3-Nitroaniline	1400	U

1C

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B37 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011805

Sample wt/vol: 10.15 (g/ml) G Lab File ID: BN07212.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 27.91 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1400	U
51-28-5	2,4-Dinitrophenol	1400	U
132-64-9	Dibenzofuran	1400	U
100-02-7	4-Nitrophenol	1400	U
121-14-2	2,4-Dinitrotoluene	1400	U
84-66-2	Diethylphthalate	1400	U
86-73-7	Fluorene	1400	U
7005-72-3	4-Chlorophenyl-phenylether	1400	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-methylphenol	1400	U
86-30-6	n-Nitrosodiphenylamine	1400	U
103-33-3	Azobenzene	1400	U
101-55-3	4-Bromophenyl-phenylether	1400	U
118-74-1	Hexachlorobenzene	1400	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	1400	U
120-12-7	Anthracene	1400	U
84-74-2	Di-n-butylphthalate	440	J
206-44-0	Fluoranthene	1400	U
92-87-5	Benzidine	1400	U
129-00-0	Pyrene	1400	U
85-68-7	Butylbenzylphthalate	1400	U
56-55-3	Benzo[a]anthracene	1400	U
91-94-1	3,3'-Dichlorobenzidine	1400	U
218-01-9	Chrysene	1400	U
117-81-7	bis(2-Ethylhexyl)phthalate	1400	U
117-84-0	Di-n-octylphthalate	1400	U
205-99-2	Benzo[b]fluoranthene	1400	U
207-08-9	Benzo[k]fluoranthene	1400	U
50-32-8	Benzo[a]pyrene	1400	U
193-39-5	Indeno[1,2,3-cd]pyrene	1400	U
53-70-3	Dibenz[a,h]anthracene	1400	U
191-24-2	Benzo[g,h,i]perylene	1400	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **B37 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011805

Sample wt/vol: 10.15 (g/ml) G Lab File ID: BN07212.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 27.91 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.96	1600	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.47	2600	JN
3.	unknown	22.30	950	J
4.	unknown	29.50	1500	J
5. 000112-95-8	Eicosane	29.90	1400	JN
6. 000000-00-0	9-Hexacosene	29.99	1900	JN
7. 000629-78-7	Heptadecane	31.26	2600	JN
8.	unknown	32.92	1400	J

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B38 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011808

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN07213.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 17.75 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B38 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011808

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN07213.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 17.75 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	410	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	500	J
206-44-0	Fluoranthene	390	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	500	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	220	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	350	J
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	230	J
207-08-9	Benzo[k]fluoranthene	180	J
50-32-8	Benzo[a]pyrene	220	J
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	160	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **B38 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011808

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN07213.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 17.75 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	6.96	1700	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.47	3000	JN
3.	000057-10-3	Hexadecanoic acid	22.30	1100	JN
4.	000629-62-9	Pentadecane	25.37	690	JN
5.		unknown	25.97	500	J
6.		unknown	28.56	520	J
7.	000629-99-2	Pentacosane	29.90	1200	JN
8.	000000-00-0	9-Hexacosene	30.00	2400	JN
9.	000112-95-8	Eicosane	31.27	1800	JN

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B39 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011811

Sample wt/vol: 10.03 (g/ml) G Lab File ID: BN07214.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 14.27 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID: **B39 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011811

Sample wt/vol: 10.03 (g/ml) G Lab File ID: BN07214.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 14.27 decanted:(Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	240	J
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
50-32-8	Benzo[a]pyrene	1200	U
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **B39 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011811

Sample wt/vol: 10.03 (g/ml) G Lab File ID: BN07214.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 14.27 decanted: (Y/N) N Date Extracted: 2/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	6.95	1700	J
2.	017851-53-5	1,2-Benzenedicarboxylic acid, but	21.47	1800	JN
3.		unknown	24.40	530	J
4.	000072-54-8	1,1-Dichloro-2,2-bis(p-chlorophen	25.38	660	JN
5.	000000-00-0	1-Hexacosanal	29.50	1800	JN
6.	000593-49-7	Heptacosane	29.90	870	JN
7.	000000-00-0	9-Hexacosene	30.00	1600	JN
8.		unknown	31.26	1600	J

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B40 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011814

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN07220.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 25.11 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/24/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	570	J
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B40 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011814

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN07220.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 25.11 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/24/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	340	J
120-12-7	Anthracene	1300	U
84-74-2	Di-n-butylphthalate	1300	U
206-44-0	Fluoranthene	350	J
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	510	J
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	190	J
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	290	J
117-81-7	bis(2-Ethylhexyl)phthalate	1300	U
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	190	J
207-08-9	Benzo[k]fluoranthene	150	J
50-32-8	Benzo[a]pyrene	1300	U
193-39-5	Indeno[1,2,3-cd]pyrene	1300	U
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	140	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: B40 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40118 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4011814

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN07220.D

Level: (low/med) LOW Date Received: 2/13/2004

% Moisture: 25.11 decanted: (Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/24/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.93	1700	J
2.	unknown	22.28	750	J
3. 000630-03-5	Nonacosane	29.89	1400	JN
4.	unknown	29.97	4500	J
5. 000630-03-5	Nonacosane	31.25	2700	JN
6.	unknown	31.45	910	J
7.	unknown	32.90	1200	J

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B41 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012108

Sample wt/vol: 10.11 (g/ml) G Lab File ID: BN07225.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 19.87 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/24/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	620	J
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B41 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012108

Sample wt/vol: 10.11 (g/ml) G Lab File ID: BN07225.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 19.87 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/24/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
50-32-8	Benzo[a]pyrene	1200	U
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **B41 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012108

Sample wt/vol: 10.11 (g/ml) G Lab File ID: BN07225.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 19.87 decanted: (Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/24/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.94	2000	J
2. 000544-63-8	Tetradecanoic acid	20.24	860	JN
3. 000131-16-8	1,2-Benzenedicarboxylic acid, dip	21.46	830	JN
4. 000057-10-3	Hexadecanoic acid	22.29	1100	JN
5.	unknown	29.49	1200	J
6. 000112-95-8	Eicosane	29.89	720	JN
7. 000000-00-0	9-Hexacosene	29.98	1500	JN
8. 000593-45-3	Octadecane	31.25	1300	JN

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B42 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012111

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN07226.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 18.02 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/24/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B42 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012111

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN07226.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 18.02 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/24/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	910	J
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
50-32-8	Benzo[a]pyrene	1200	U
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **B42 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012111

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN07226.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 18.02 decanted: (Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/24/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.93	2000	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.45	1900	JN
3.	unknown	22.28	510	J
4. 002765-11-9	Pentadecanal-	29.48	920	JN
5. 000593-49-7	Heptacosane	31.24	1100	JN

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B43 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012114

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN07235.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 16.13 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID: **B43 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012114

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN07235.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 16.13 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	15000	E
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	300	J
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
50-32-8	Benzo[a]pyrene	1200	U
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **B43 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012114

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN07235.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 16.13 decanted: (Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.93	1400	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.45	3500	JN
3.	unknown	26.97	480	J
4. 000112-95-8	Eicosane	29.88	830	JN
5. 000629-92-5	Nonadecane	31.23	1200	JN

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B43 0-6 DL

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012114 (1:2)

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN07243.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 16.13 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	2400	U
62-75-9	N-nitroso-dimethylamine	2400	U
62-53-3	Aniline	2400	U
108-95-2	Phenol	2400	U
111-44-4	bis(2-Chloroethyl)ether	2400	U
95-57-8	2-Chlorophenol	2400	U
541-73-1	1,3-Dichlorobenzene	2400	U
106-46-7	1,4-Dichlorobenzene	2400	U
100-51-6	Benzyl alcohol	2400	U
95-50-1	1,2-Dichlorobenzene	2400	U
95-48-7	2-Methylphenol	2400	U
39638-32-9	bis(2-chloroisopropyl)ether	2400	U
106-44-5	4-Methylphenol	2400	U
621-64-7	n-Nitroso-di-n-propylamine	2400	U
67-72-1	Hexachloroethane	2400	U
98-95-3	Nitrobenzene	2400	U
78-59-1	Isophorone	2400	U
88-75-5	2-Nitrophenol	2400	U
105-67-9	2,4-Dimethylphenol	2400	U
111-91-1	bis(2-Chloroethoxy)methane	2400	U
120-83-2	2,4-Dichlorophenol	2400	U
65-85-0	Benzoic Acid	2400	U
120-82-1	1,2,4-Trichlorobenzene	2400	U
91-20-3	Naphthalene	2400	U
106-47-8	4-Chloroaniline	2400	U
87-68-3	Hexachlorobutadiene	2400	U
59-50-7	4-Chloro-3-methylphenol	2400	U
91-57-6	2-Methylnaphthalene	2400	U
77-47-4	Hexachlorocyclopentadiene	2400	U
88-06-2	2,4,6-Trichlorophenol	2400	U
95-95-4	2,4,5-Trichlorophenol	2400	U
91-58-7	2-Chloronaphthalene	2400	U
88-74-4	2-Nitroaniline	2400	U
131-11-3	Dimethylphthalate	2400	U
208-96-8	Acenaphthylene	2400	U
606-20-2	2,6-Dinitrotoluene	2400	U
99-09-2	3-Nitroaniline	2400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID: **B43 0-6 DL**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012114 (1:2)

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN07243.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 16.13 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	2400	U
51-28-5	2,4-Dinitrophenol	2400	U
132-64-9	Dibenzofuran	2400	U
100-02-7	4-Nitrophenol	2400	U
121-14-2	2,4-Dinitrotoluene	2400	U
84-66-2	Diethylphthalate	2400	U
86-73-7	Fluorene	2400	U
7005-72-3	4-Chlorophenyl-phenylether	2400	U
100-01-6	4-Nitroaniline	2400	U
534-52-1	4,6-Dinitro-2-methylphenol	2400	U
86-30-6	n-Nitrosodiphenylamine	2400	U
103-33-3	Azobenzene	2400	U
101-55-3	4-Bromophenyl-phenylether	2400	U
118-74-1	Hexachlorobenzene	2400	U
87-86-5	Pentachlorophenol	2400	U
85-01-8	Phenanthrene	2400	U
120-12-7	Anthracene	2400	U
84-74-2	Di-n-butylphthalate	15000	D
206-44-0	Fluoranthene	2400	U
92-87-5	Benzidine	2400	U
129-00-0	Pyrene	2400	U
85-68-7	Butylbenzylphthalate	2400	U
56-55-3	Benzo[a]anthracene	2400	U
91-94-1	3,3'-Dichlorobenzidine	2400	U
218-01-9	Chrysene	2400	U
117-81-7	bis(2-Ethylhexyl)phthalate	310	JD
117-84-0	Di-n-octylphthalate	2400	U
205-99-2	Benzo[b]fluoranthene	2400	U
207-08-9	Benzo[k]fluoranthene	2400	U
50-32-8	Benzo[a]pyrene	2400	U
193-39-5	Indeno[1,2,3-cd]pyrene	2400	U
53-70-3	Dibenz[a,h]anthracene	2400	U
191-24-2	Benzo[g,h,i]perylene	2400	U

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B44 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012117

Sample wt/vol: 10.26 (g/ml) G Lab File ID: BN07236.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 12.05 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
95-48-7	2-Methylphenol	1100	U
39638-32-9	bis(2-chloroisopropyl)ether	1100	U
106-44-5	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B44 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012117

Sample wt/vol: 10.26 (g/ml) G Lab File ID: BN07236.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 12.05 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1100	U
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	1100	U
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **B44 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012117

Sample wt/vol: 10.26 (g/ml) G Lab File ID: BN07236.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 12.05 decanted: (Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.93	1500	J
2. 017851-53-5	1,2-Benzenedicarboxylic acid, but	21.44	770	JN

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B45 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012120

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BN07237.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 18.68 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID: **B45 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012120

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BN07237.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 18.68 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
50-32-8	Benzo[a]pyrene	1200	U
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **B45 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40121 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012120

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BN07237.D

Level: (low/med) LOW Date Received: 2/17/2004

% Moisture: 18.68 decanted: (Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.92	1400	J
2.	unknown	29.88	690	J
3. 002801-87-8	Pentadecane, 4-methyl-	31.23	850	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID: **B46 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40125 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012502

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BN07238.D

Level: (low/med) LOW Date Received: 2/18/2004

% Moisture: 18 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID: **B46 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40125 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012502

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BN07238.D

Level: (low/med) LOW Date Received: 2/18/2004

% Moisture: 18 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	210	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	190	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	130	J
207-08-9	Benzo[k]fluoranthene	1200	U
50-32-8	Benzo[a]pyrene	120	J
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **B46 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40125 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012502

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BN07238.D

Level: (low/med) LOW Date Received: 2/18/2004

% Moisture: 18 decanted: (Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.92	1600	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.44	970	JN
3. 000112-95-8	Eicosane	29.87	630	JN
4. 000646-31-1	Tetracosane	31.23	690	JN

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B47 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40125 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012505

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN07239.D

Level: (low/med) LOW Date Received: 2/18/2004

% Moisture: 22.72 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B47 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40125 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012505

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN07239.D

Level: (low/med) LOW Date Received: 2/18/2004

% Moisture: 22.72 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	1300	U
120-12-7	Anthracene	1300	U
84-74-2	Di-n-butylphthalate	1300	U
206-44-0	Fluoranthene	150	J
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	1300	U
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	1300	U
117-81-7	bis(2-Ethylhexyl)phthalate	1300	U
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	1300	U
207-08-9	Benzo[k]fluoranthene	1300	U
50-32-8	Benzo[a]pyrene	1300	U
193-39-5	Indeno[1,2,3-cd]pyrene	1300	U
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	1300	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: B47 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40125 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012505

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN07239.D

Level: (low/med) LOW Date Received: 2/18/2004

% Moisture: 22.72 decanted: (Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	6.92	2100	J
2.		unknown	21.44	1500	J
3.	002765-11-9	Pentadecanal-	29.48	2100	JN
4.	000629-94-7	Heneicosane	29.87	1400	JN
5.	000630-03-5	Nonacosane	31.23	1200	JN

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B48 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40125 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012508

Sample wt/vol: 10.19 (g/ml) G Lab File ID: BN07240.D

Level: (low/med) LOW Date Received: 2/18/2004

% Moisture: 14.6 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID: **B48 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40125 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012508

Sample wt/vol: 10.19 (g/ml) G Lab File ID: BN07240.D

Level: (low/med) LOW Date Received: 2/18/2004

% Moisture: 14.6 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
50-32-8	Benzo[a]pyrene	1200	U
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **B48 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40125 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012508

Sample wt/vol: 10.19 (g/ml) G Lab File ID: BN07240.D

Level: (low/med) LOW Date Received: 2/18/2004

% Moisture: 14.6 decanted: (Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.93	1500	J
2. 000131-18-0	1,2-Benzenedicarboxylic acid, dip	21.44	780	JN

1B

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40125 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012511

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BN07241.D

Level: (low/med) LOW Date Received: 2/18/2004

% Moisture: 24.26 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	600	J
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	180	J
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

Field ID:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49 0-6

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40125 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012511

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BN07241.D

Level: (low/med) LOW Date Received: 2/18/2004

% Moisture: 24.26 decanted:(Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	970	J
120-12-7	Anthracene	240	J
84-74-2	Di-n-butylphthalate	1300	U
206-44-0	Fluoranthene	2900	
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	2400	
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	1400	
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	1700	
117-81-7	bis(2-Ethylhexyl)phthalate	1300	U
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	1600	
207-08-9	Benzo[k]fluoranthene	1300	
50-32-8	Benzo[a]pyrene	1500	
193-39-5	Indeno[1,2,3-cd]pyrene	1000	J
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	980	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **B49 0-6**

Lab Name: FMETL Lab Code 13461

Project: UST Case No.: 40125 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4012511

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BN07241.D

Level: (low/med) LOW Date Received: 2/18/2004

% Moisture: 24.26 decanted: (Y/N) N Date Extracted: 2/24/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/26/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.92	2100	JN
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.45	920	JN
3. 000057-10-3	Hexadecanoic acid	22.27	610	JN
4.	unknown	22.68	700	J
5.	unknown	29.63	640	J
6. 000630-03-5	Nonacosane	29.88	1100	JN
7. 000198-55-0	Perylene	29.97	3700	JN
8.	unknown	30.85	900	J
9. 001928-30-9	Tricosane, 2-methyl-	31.23	2100	JN

PESTICIDES

U.S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

TABULATED ANALYTICAL REPORT
SW 846 8081
Pesticides

mb 020604-01

Matrix: Soil
Date Extracted: 2/6/2004
Ext. Batch: 020604
Filename: 04215.D
Date Analysed: 2/17/2004

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.0015
319-85-7	beta-BHC	ND	0.0017
58-89-9	gamma-BHC	ND	0.0015
319-86-8	delta-BHC	ND	0.0017
76-44-8	Heptachlor	ND	0.0018
309-00-2	Aldrin	ND	0.0015
1024-57-3	Heptachlor epoxide	ND	0.0015
5103-74-2	gamma-Chlordane	ND	0.0014
5103-71-9	alpha-Chlordane	ND	0.0015
959-98-8	Endosulfan I	ND	0.0017
72-55-9	4,4'-DDE	ND	0.0016
60-57-1	Dieldrin	ND	0.0016
72-20-8	Endrin	ND	0.0027
33213-65-9	Endosulfan II	ND	0.0018
72-54-8	4,4'-DDD	ND	0.0015
7421-93-4	Endrin aldehyde	ND	0.0021
50-29-3	4,4'-DDT	ND	0.0025
1031-07-8	Endosulfan sulfate	ND	0.0021
53494-70-5	Endrin ketone	ND	0.0018
72-43-5	Methoxychlor	ND	0.0028
8001-35-2	Toxaphene	ND	0.0291

MDL = METHOD DETECTION LIMIT
ND =NOT DETECTED, BELOW MDL

Initial wt.(gms): 10.00
Final vol. (ml): 10

U.S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

TABULATED ANALYTICAL REPORT
SW 846 8081
Pesticides

mb 021204-01

Matrix: Soil
Date Extracted: 2/12/2004
Ext. Batch: 021204
Filename: 04260D.D
Date Analysed: 2/20/2004

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.0015
319-85-7	beta-BHC	ND	0.0017
58-89-9	gamma-BHC	ND	0.0015
319-86-8	delta-BHC	ND	0.0017
76-44-8	Heptachlor	ND	0.0018
309-00-2	Aldrin	ND	0.0015
1024-57-3	Heptachlor epoxide	ND	0.0015
5103-74-2	gamma-Chlordane	ND	0.0014
5103-71-9	alpha-Chlordane	ND	0.0015
959-98-8	Endosulfan I	ND	0.0017
72-55-9	4,4'-DDE	ND	0.0016
60-57-1	Dieldrin	ND	0.0016
72-20-8	Endrin	ND	0.0027
33213-65-9	Endosulfan II	ND	0.0018
72-54-8	4,4'-DDD	ND	0.0015
7421-93-4	Endrin aldehyde	ND	0.0021
50-29-3	4,4'-DDT	ND	0.0025
1031-07-8	Endosulfan sulfate	ND	0.0021
53494-70-5	Endrin ketone	ND	0.0018
72-43-5	Methoxychlor	ND	0.0028
8001-35-2	Toxaphene	ND	0.0291

MDL = METHOD DETECTION LIMIT
ND =NOT DETECTED, BELOW MDL

Initial wt.(gms): 10.00
Final vol. (ml): 10

U.S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

TABULATED ANALYTICAL REPORT
SW 846 8081
Pesticides

mb 021304-02

Matrix: Soil
Date Extracted: 2/13/2004
Ext. Batch: 021304
Filename: 04289D.D
Date Analysed: 2/24/2004

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.0015
319-85-7	beta-BHC	ND	0.0017
58-89-9	gamma-BHC	ND	0.0015
319-86-8	delta-BHC	ND	0.0017
76-44-8	Heptachlor	ND	0.0018
309-00-2	Aldrin	ND	0.0015
1024-57-3	Heptachlor epoxide	ND	0.0015
5103-74-2	gamma-Chlordane	ND	0.0014
5103-71-9	alpha-Chlordane	ND	0.0015
959-98-8	Endosulfan I	ND	0.0017
72-55-9	4,4'-DDE	ND	0.0016
60-57-1	Dieldrin	ND	0.0016
72-20-8	Endrin	ND	0.0027
33213-65-9	Endosulfan II	ND	0.0018
72-54-8	4,4'-DDD	ND	0.0015
7421-93-4	Endrin aldehyde	ND	0.0021
50-29-3	4,4'-DDT	ND	0.0025
1031-07-8	Endosulfan sulfate	ND	0.0021
53494-70-5	Endrin ketone	ND	0.0018
72-43-5	Methoxychlor	ND	0.0028
8001-35-2	Toxaphene	ND	0.0291

MDL = METHOD DETECTION LIMIT
ND =NOT DETECTED, BELOW MDL

Initial wt.(gms): 10.00
Final vol. (ml): 10

U.S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

TABULATED ANALYTICAL REPORT
SW 846 8081
Pesticides

mb 021801-01

Matrix: Soil
Date Extracted: 2/18/2004
Ext. Batch: 021804
Filename: 04311.D
Date Analysed: 2/25/2004

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.0015
319-85-7	beta-BHC	ND	0.0017
58-89-9	gamma-BHC	ND	0.0015
319-86-8	delta-BHC	ND	0.0017
76-44-8	Heptachlor	ND	0.0018
309-00-2	Aldrin	ND	0.0015
1024-57-3	Heptachlor epoxide	ND	0.0015
5103-74-2	gamma-Chlordane	ND	0.0014
5103-71-9	alpha-Chlordane	ND	0.0015
959-98-8	Endosulfan I	ND	0.0017
72-55-9	4,4'-DDE	ND	0.0016
60-57-1	Dieldrin	ND	0.0016
72-20-8	Endrin	ND	0.0027
33213-65-9	Endosulfan II	ND	0.0018
72-54-8	4,4'-DDD	ND	0.0015
7421-93-4	Endrin aldehyde	ND	0.0021
50-29-3	4,4'-DDT	ND	0.0025
1031-07-8	Endosulfan sulfate	ND	0.0021
53494-70-5	Endrin ketone	ND	0.0018
72-43-5	Methoxychlor	ND	0.0028
8001-35-2	Toxaphene	ND	0.0291

MDL = METHOD DETECTION LIMIT
ND =NOT DETECTED, BELOW MDL

Initial wt.(gms): 10.00
Final vol. (ml): 10

U.S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

TABULATED ANALYTICAL REPORT
SW 846 8081
Pesticides

mb 022504-01

Matrix: Soil
Date Extracted: 2/25/2004
Ext. Batch: 022504
Filename: 04335.D
Date Analysed: 2/27/2004

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.0015
319-85-7	beta-BHC	ND	0.0017
58-89-9	gamma-BHC	ND	0.0015
319-86-8	delta-BHC	ND	0.0017
76-44-8	Heptachlor	ND	0.0018
309-00-2	Aldrin	ND	0.0015
1024-57-3	Heptachlor epoxide	ND	0.0015
5103-74-2	gamma-Chlordane	ND	0.0014
5103-71-9	alpha-Chlordane	ND	0.0015
959-98-8	Endosulfan I	ND	0.0017
72-55-9	4,4'-DDE	ND	0.0016
60-57-1	Dieldrin	ND	0.0016
72-20-8	Endrin	ND	0.0027
33213-65-9	Endosulfan II	ND	0.0018
72-54-8	4,4'-DDD	ND	0.0015
7421-93-4	Endrin aldehyde	ND	0.0021
50-29-3	4,4'-DDT	ND	0.0025
1031-07-8	Endosulfan sulfate	ND	0.0021
53494-70-5	Endrin ketone	ND	0.0018
72-43-5	Methoxychlor	ND	0.0028
8001-35-2	Toxaphene	ND	0.0291

MDL = METHOD DETECTION LIMIT
ND =NOT DETECTED, BELOW MDL

Initial wt.(gms): 10.00
Final vol. (ml): 10

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B1 0-6
Lab ID: 4009602 10X
Filename: 04228.D
Lab Project : 40096

Location: 700 Area
MATRIX: Soil
Ext. Batch: 020604
Date Extracted: 2/6/2004
Date Analyzed: 18-Feb-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.115		0.0180
319-85-7	beta-BHC	ND	0.115		0.0190
58-89-9	gamma-BHC	ND	0.115		0.0180
319-86-8	delta-BHC	ND	0.115		0.0200
76-44-8	Heptachlor	0.1200	0.115		0.0210
309-00-2	Aldrin	ND	0.115		0.0170
1024-57-3	Heptachlor epoxide	0.0530	0.115		0.0170
5103-74-2	gamma-Chlordane	0.1500	0.115		0.0160
5103-71-9	alpha-Chlordane	0.0610	0.115		0.0170
959-98-8	Endosulfan I	ND	0.115		0.0200
72-55-9	4,4'-DDE	0.1000	0.115		0.0190
60-57-1	Dieldrin	ND	0.115		0.0180
72-20-8	Endrin	ND	0.115		0.0310
33213-65-9	Endosulfan II	ND	0.115		0.0210
72-54-8	4,4'-DDD	0.0510	0.115		0.0180
7421-93-4	Endrin aldehyde	ND	0.115		0.0250
50-29-3	4,4'-DDT	0.5800	0.115		0.0290
1031-07-8	Endosulfan sulfate	ND	0.115		0.0240
53494-70-5	Endrin ketone	ND	0.115		0.0210
72-43-5	Methoxychlor	ND	0.115		0.0320
8001-35-2	Toxaphene	ND	0.576		0.3354

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS 86%
Initial Wt.(gms) 10.09
Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

000401

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: Dupe 0-6
Lab ID: 4009605 10X
Filename: 04232.D
Lab Project : 40096

Location: 700 Area
MATRIX: Soil
Ext. Batch: 020604
Date Extracted: 2/6/2004
Date Analyzed: 18-Feb-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.112		0.0170
319-85-7	beta-BHC	ND	0.112		0.0180
58-89-9	gamma-BHC	ND	0.112		0.0170
319-86-8	delta-BHC	ND	0.112		0.0190
76-44-8	Heptachlor	0.0920	0.112		0.0200
309-00-2	Aldrin	ND	0.112		0.0170
1024-57-3	Heptachlor epoxide	0.0450	0.112		0.0170
5103-74-2	gamma-Chlordane	0.1200	0.112		0.0160
5103-71-9	alpha-Chlordane	0.0470	0.112		0.0160
959-98-8	Endosulfan I	ND	0.112		0.0190
72-55-9	4,4'-DDE	0.1500	0.112		0.0180
60-57-1	Dieldrin	ND	0.112		0.0180
72-20-8	Endrin	ND	0.112		0.0300
33213-65-9	Endosulfan II	ND	0.112		0.0200
72-54-8	4,4'-DDD	0.0930	0.112		0.0170
7421-93-4	Endrin aldehyde	ND	0.112		0.0240
50-29-3	4,4'-DDT	0.8400	0.112		0.0280
1031-07-8	Endosulfan sulfate	ND	0.112		0.0230
53494-70-5	Endrin ketone	ND	0.112		0.0210
72-43-5	Methoxychlor	ND	0.112		0.0310
8001-35-2	Toxaphene	ND	0.558		0.3247

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS 87%
Initial Wt.(gms) 10.30
Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

000402

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B2 0-6	Ext. Batch:	020604
Lab ID:	4009608	Date Extracted:	2/6/2004
Filename:	04219.D	Date Analyzed:	17-Feb-04
Lab Project :	40096	Dilution:	1
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.013		0.0020
319-85-7	beta-BHC	ND	0.013		0.0021
58-89-9	gamma-BHC	ND	0.013		0.0020
319-86-8	delta-BHC	ND	0.013		0.0023
76-44-8	Heptachlor	0.0380	0.013		0.0023
309-00-2	Aldrin	ND	0.013		0.0019
1024-57-3	Heptachlor epoxide	0.0310	0.013		0.0020
5103-74-2	gamma-Chlordane	0.1100	0.013		0.0018
5103-71-9	alpha-Chlordane	0.0380	0.013		0.0019
959-98-8	Endosulfan I	ND	0.013		0.0022
72-55-9	4,4'-DDE	0.0110	0.013		0.0021
60-57-1	Dieldrin	0.0026	0.013		0.0021
72-20-8	Endrin	ND	0.013		0.0035
33213-65-9	Endosulfan II	ND	0.013		0.0023
72-54-8	4,4'-DDD	0.0140	0.013		0.0020
7421-93-4	Endrin aldehyde	ND	0.013		0.0028
50-29-3	4,4'-DDT	0.0220	0.013		0.0033
1031-07-8	Endosulfan sulfate	ND	0.013		0.0027
53494-70-5	Endrin ketone	ND	0.013		0.0024
72-43-5	Methoxychlor	ND	0.013		0.0036
8001-35-2	Toxaphene	ND	0.065		0.0378

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	76%
Initial Wt.(gms)	10.14
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
^Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

006407

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B3 0-6
Lab ID: 40096011
Filename: 04220.D
Lab Project : 40096

Location: 700 Area
MATRIX: Soil
Ext. Batch: 020604
Date Extracted: 2/6/2004
Date Analyzed: 17-Feb-04
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.011		0.0017
319-85-7	beta-BHC	ND	0.011		0.0019
58-89-9	gamma-BHC	ND	0.011		0.0018
319-86-8	delta-BHC	ND	0.011		0.0020
76-44-8	Heptachlor	ND	0.011		0.0020
309-00-2	Aldrin	ND	0.011		0.0017
1024-57-3	Heptachlor epoxide	0.0037	0.011		0.0017
5103-74-2	gamma-Chlordane	0.0280	0.011		0.0016
5103-71-9	alpha-Chlordane	0.0560	0.011		0.0017
959-98-8	Endosulfan I	ND	0.011		0.0020
72-55-9	4,4'-DDE	0.0078	0.011		0.0018
60-57-1	Dieldrin	0.0034	0.011		0.0018
72-20-8	Endrin	ND	0.011		0.0031
33213-65-9	Endosulfan II	ND	0.011		0.0020
72-54-8	4,4'-DDD	0.0061	0.011		0.0017
7421-93-4	Endrin aldehyde	ND	0.011		0.0024
50-29-3	4,4'-DDT	0.0098	0.011		0.0029
1031-07-8	Endosulfan sulfate	ND	0.011		0.0024
53494-70-5	Endrin ketone	ND	0.011		0.0021
72-43-5	Methoxychlor	ND	0.011		0.0032
8001-35-2	Toxaphene	ND	0.057		0.0333

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS 86%
Initial Wt.(gms) 10.17
Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

000404

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B4 0-6	Ext. Batch:	020604
Lab ID:	4009614 10X	Date Extracted:	2/6/2004
Filename:	04223.D	Date Analyzed:	17-Feb-04
Lab Project :	40096	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.176		0.0270
319-85-7	beta-BHC	ND	0.176		0.0290
58-89-9	gamma-BHC	ND	0.176		0.0270
319-86-8	delta-BHC	ND	0.176		0.0310
76-44-8	Heptachlor	ND	0.176		0.0310
309-00-2	Aldrin	ND	0.176		0.0260
1024-57-3	Heptachlor epoxide	ND	0.176		0.0270
5103-74-2	gamma-Chlordane	ND	0.176		0.0250
5103-71-9	alpha-Chlordane	ND	0.176		0.0260
959-98-8	Endosulfan I	ND	0.176		0.0300
72-55-9	4,4'-DDE	0.0460	0.176		0.0280
60-57-1	Dieldrin	ND	0.176		0.0280
72-20-8	Endrin	ND	0.176		0.0470
33213-65-9	Endosulfan II	ND	0.176		0.0310
72-54-8	4,4'-DDD	0.0300	0.176		0.0270
7421-93-4	Endrin aldehyde	ND	0.176		0.0370
50-29-3	4,4'-DDT	0.1100	0.176		0.0440
1031-07-8	Endosulfan sulfate	ND	0.176		0.0360
53494-70-5	Endrin ketone	ND	0.176		0.0320
72-43-5	Methoxychlor	ND	0.176		0.0490
8001-35-2	Toxaphene	ND	0.878		0.5110

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	56%
Initial Wt.(gms)	10.17
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B5 0-6	Ext. Batch:	020604
Lab ID:	40096017 10X	Date Extracte	02/06/04
Filename:	04222.D	Date Analyzec	02/17/04
Lab Project :	40096	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.127		0.0190
319-85-7	beta-BHC	ND	0.127		0.0210
58-89-9	gamma-BHC	ND	0.127		0.0200
319-86-8	delta-BHC	ND	0.127		0.0220
76-44-8	Heptachlor	ND	0.127		0.0230
309-00-2	Aldrin	ND	0.127		0.0190
1024-57-3	Heptachlor epoxide	ND	0.127		0.0190
5103-74-2	gamma-Chlordane	ND	0.127		0.0180
5103-71-9	alpha-Chlordane	ND	0.127		0.0190
959-98-8	Endosulfan I	ND	0.127		0.0220
72-55-9	4,4'-DDE	0.9900	0.127	E	0.0210
60-57-1	Dieldrin	ND	0.127		0.0200
72-20-8	Endrin	ND	0.127		0.0340
33213-65-9	Endosulfan II	ND	0.127		0.0230
72-54-8	4,4'-DDD	0.4400	0.127	E	0.0190
7421-93-4	Endrin aldehyde	ND	0.127		0.0270
50-29-3	4,4'-DDT	3.4000	0.127	E	0.0320
1031-07-8	Endosulfan sulfate	ND	0.127		0.0260
53494-70-5	Endrin ketone	ND	0.127		0.0230
72-43-5	Methoxychlor	ND	0.127		0.0350
8001-35-2	Toxaphene	ND	0.637		0.3709

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	78.00%
Initial Wt.(gms)	10.06
Final Vol.(ml)	10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

000406

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B5 0-6	Ext. Batch:	020604
Lab ID:	40096017 100X	Date Extracte	02/06/04
Filename:	04224.D	Date Analyzec	02/17/04
Lab Project :	40096	Dilution:	100
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	1.274		0.1900
319-85-7	beta-BHC	ND	1.274		0.2100
58-89-9	gamma-BHC	ND	1.274		0.2000
319-86-8	delta-BHC	ND	1.274		0.2200
76-44-8	Heptachlor	ND	1.274		0.2300
309-00-2	Aldrin	ND	1.274		0.1900
1024-57-3	Heptachlor epoxide	ND	1.274		0.1900
5103-74-2	gamma-Chlordane	ND	1.274		0.1800
5103-71-9	alpha-Chlordane	ND	1.274		0.1900
959-98-8	Endosulfan I	ND	1.274		0.2200
72-55-9	4,4'-DDE	0.8900	1.274	D	0.2100
60-57-1	Dieldrin	ND	1.274		0.2000
72-20-8	Endrin	ND	1.274		0.3400
33213-65-9	Endosulfan II	ND	1.274		0.2300
72-54-8	4,4'-DDD	0.6700	1.274	D	0.1900
7421-93-4	Endrin aldehyde	ND	1.274		0.2700
50-29-3	4,4'-DDT	2.0000	1.274	D	0.3200
1031-07-8	Endosulfan sulfate	ND	1.274		0.2600
53494-70-5	Endrin ketone	ND	1.274		0.2300
72-43-5	Methoxychlor	ND	1.274		0.3500
8001-35-2	Toxaphene	ND	6.372		3.7085

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	78.00%
Initial Wt.(gms)	10.06
Final Vol.(ml)	10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

000407

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B6 0-6
Lab ID: 4010902 10X
Filename: 04262D.D
Lab Project : 40109

Location: 700 Area
MATRIX: Soil
Ext. Batch: 021204
Date Extracted: 2/12/2004
Date Analyzed: 20-Feb-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.139		0.0210
319-85-7	beta-BHC	ND	0.139		0.0230
58-89-9	gamma-BHC	ND	0.139		0.0210
319-86-8	delta-BHC	ND	0.139		0.0240
76-44-8	Heptachlor	ND	0.139		0.0250
309-00-2	Aldrin	ND	0.139		0.0210
1024-57-3	Heptachlor epoxide	ND	0.139		0.0210
5103-74-2	gamma-Chlordane	ND	0.139		0.0190
5103-71-9	alpha-Chlordane	ND	0.139		0.0200
959-98-8	Endosulfan I	ND	0.139		0.0240
72-55-9	4,4'-DDE	0.2300	0.139		0.0220
60-57-1	Dieldrin	ND	0.139		0.0220
72-20-8	Endrin	ND	0.139		0.0370
33213-65-9	Endosulfan II	ND	0.139		0.0250
72-54-8	4,4'-DDD	0.0670	0.139		0.0210
7421-93-4	Endrin aldehyde	ND	0.139		0.0300
50-29-3	4,4'-DDT	0.2600	0.139		0.0350
1031-07-8	Endosulfan sulfate	ND	0.139		0.0290
53494-70-5	Endrin ketone	ND	0.139		0.0260
72-43-5	Methoxychlor	ND	0.139		0.0390
8001-35-2	Toxaphene	ND	0.696		0.4050

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS 71%
Initial Wt.(gms) 10.12
Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

000409

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B7 0-6
Lab ID: 4010905 10X
Filename: 04263D.D
Lab Project : 40109

Location: 700 Area
MATRIX: Soil
Ext. Batch: 021204
Date Extracted: 2/12/2004
Date Analyzed: 20-Feb-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.122		0.0190
319-85-7	beta-BHC	ND	0.122		0.0200
58-89-9	gamma-BHC	ND	0.122		0.0190
319-86-8	delta-BHC	ND	0.122		0.0210
76-44-8	Heptachlor	ND	0.122		0.0220
309-00-2	Aldrin	ND	0.122		0.0180
1024-57-3	Heptachlor epoxide	ND	0.122		0.0180
5103-74-2	gamma-Chlordane	ND	0.122		0.0170
5103-71-9	alpha-Chlordane	ND	0.122		0.0180
959-98-8	Endosulfan I	ND	0.122		0.0210
72-55-9	4,4'-DDE	ND	0.122		0.0200
60-57-1	Dieldrin	ND	0.122		0.0190
72-20-8	Endrin	ND	0.122		0.0330
33213-65-9	Endosulfan II	ND	0.122		0.0220
72-54-8	4,4'-DDD	ND	0.122		0.0190
7421-93-4	Endrin aldehyde	ND	0.122		0.0260
50-29-3	4,4'-DDT	ND	0.122		0.0310
1031-07-8	Endosulfan sulfate	ND	0.122		0.0250
53494-70-5	Endrin ketone	ND	0.122		0.0220
72-43-5	Methoxychlor	ND	0.122		0.0340
8001-35-2	Toxaphene	ND	0.611		0.3556

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS 80%
Initial Wt.(gms) 10.23
Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

000469

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B8 0-6
Lab ID: 4010908 10X
Filename: 04264D.D
Lab Project : 40109

Location: 700 Area
MATRIX: Soil
Ext. Batch: 021204
Date Extracted: 2/12/2004
Date Analyzed: 20-Feb-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.157		0.0240
319-85-7	beta-BHC	ND	0.157		0.0260
58-89-9	gamma-BHC	ND	0.157		0.0240
319-86-8	delta-BHC	ND	0.157		0.0270
76-44-8	Heptachlor	ND	0.157		0.0280
309-00-2	Aldrin	ND	0.157		0.0230
1024-57-3	Heptachlor epoxide	ND	0.157		0.0240
5103-74-2	gamma-Chlordane	0.0940	0.157		0.0220
5103-71-9	alpha-Chlordane	0.0620	0.157		0.0230
959-98-8	Endosulfan I	ND	0.157		0.0270
72-55-9	4,4'-DDE	ND	0.157		0.0250
60-57-1	Dieldrin	ND	0.157		0.0250
72-20-8	Endrin	ND	0.157		0.0420
33213-65-9	Endosulfan II	ND	0.157		0.0280
72-54-8	4,4'-DDD	ND	0.157		0.0240
7421-93-4	Endrin aldehyde	ND	0.157		0.0340
50-29-3	4,4'-DDT	ND	0.157		0.0400
1031-07-8	Endosulfan sulfate	ND	0.157		0.0330
53494-70-5	Endrin ketone	ND	0.157		0.0290
72-43-5	Methoxychlor	ND	0.157		0.0440
8001-35-2	Toxaphene	ND	0.787		0.4578

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS 63%
Initial Wt.(gms) 10.09
Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

000410

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B9 0-6	Ext. Batch:	021204
Lab ID:	4010911 10X	Date Extracte	02/12/04
Filename:	04249.D	Date Analyzec	02/19/04
Lab Project :	40109	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.112		0.0170
319-85-7	beta-BHC	ND	0.112		0.0180
58-89-9	gamma-BHC	ND	0.112		0.0170
319-86-8	delta-BHC	ND	0.112		0.0190
76-44-8	Heptachlor	7.2000	0.112	E	0.0200
309-00-2	Aldrin	ND	0.112		0.0170
1024-57-3	Heptachlor epoxide	0.6600	0.112		0.0170
5103-74-2	gamma-Chlordane	5.0000	0.112	E	0.0160
5103-71-9	alpha-Chlordane	1.4000	0.112	E	0.0160
959-98-8	Endosulfan I	ND	0.112		0.0190
72-55-9	4,4'-DDE	0.3000	0.112		0.0180
60-57-1	Dieldrin	ND	0.112		0.0180
72-20-8	Endrin	ND	0.112		0.0300
33213-65-9	Endosulfan II	ND	0.112		0.0200
72-54-8	4,4'-DDD	0.3000	0.112		0.0170
7421-93-4	Endrin aldehyde	ND	0.112		0.0240
50-29-3	4,4'-DDT	0.4100	0.112		0.0280
1031-07-8	Endosulfan sulfate	ND	0.112		0.0230
53494-70-5	Endrin ketone	ND	0.112		0.0210
72-43-5	Methoxychlor	ND	0.112		0.0310
8001-35-2	Toxaphene	ND	0.560		0.3261

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	88.00%
Initial Wt.(gms)	10.14
Final Vol.(ml)	10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

000411

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B9 0-6	Ext. Batch:	021204
Lab ID:	4010911 100X	Date Extracte	02/12/04
Filename:	04265D.D	Date Analyzec	02/20/04
Lab Project :	40109	Dilution:	100
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	1.121		0.1700
319-85-7	beta-BHC	ND	1.121		0.1800
58-89-9	gamma-BHC	ND	1.121		0.1700
319-86-8	delta-BHC	ND	1.121		0.1900
76-44-8	Heptachlor	8.1000	1.121	D	0.2000
309-00-2	Aldrin	ND	1.121		0.1700
1024-57-3	Heptachlor epoxide	0.8200	1.121		0.1700
5103-74-2	gamma-Chlordane	5.4000	1.121	D	0.1600
5103-71-9	alpha-Chlordane	1.6000	1.121	D	0.1600
959-98-8	Endosulfan I	ND	1.121		0.1900
72-55-9	4,4'-DDE	0.3000	1.121		0.1800
60-57-1	Dieldrin	ND	1.121		0.1800
72-20-8	Endrin	ND	1.121		0.3000
33213-65-9	Endosulfan II	ND	1.121		0.2000
72-54-8	4,4'-DDD	0.3800	1.121		0.1700
7421-93-4	Endrin aldehyde	ND	1.121		0.2400
50-29-3	4,4'-DDT	0.3000	1.121		0.2800
1031-07-8	Endosulfan sulfate	ND	1.121		0.2300
53494-70-5	Endrin ketone	ND	1.121		0.2100
72-43-5	Methoxychlor	ND	1.121		0.3100
8001-35-2	Toxaphene	ND	5.603		3.2612

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	88.00%
Initial Wt.(gms)	10.14
Final Vol.(ml)	10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B10 0-6
Lab ID: 4010914 10X
Filename: 04266D.D
Lab Project : 40109

Location: 700 Area
MATRIX: Soil
Ext. Batch: 021204
Date Extracted: 2/12/2004
Date Analyzed: 20-Feb-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.140		0.0210
319-85-7	beta-BHC	ND	0.140		0.0230
58-89-9	gamma-BHC	ND	0.140		0.0220
319-86-8	delta-BHC	ND	0.140		0.0240
76-44-8	Heptachlor	ND	0.140		0.0250
309-00-2	Aldrin	ND	0.140		0.0210
1024-57-3	Heptachlor epoxide	ND	0.140		0.0210
5103-74-2	gamma-Chlordane	0.0680	0.140		0.0200
5103-71-9	alpha-Chlordane	0.1100	0.140		0.0200
959-98-8	Endosulfan I	ND	0.140		0.0240
72-55-9	4,4'-DDE	ND	0.140		0.0230
60-57-1	Dieldrin	ND	0.140		0.0220
72-20-8	Endrin	ND	0.140		0.0380
33213-65-9	Endosulfan II	ND	0.140		0.0250
72-54-8	4,4'-DDD	ND	0.140		0.0210
7421-93-4	Endrin aldehyde	ND	0.140		0.0300
50-29-3	4,4'-DDT	ND	0.140		0.0350
1031-07-8	Endosulfan sulfate	ND	0.140		0.0290
53494-70-5	Endrin ketone	ND	0.140		0.0260
72-43-5	Methoxychlor	ND	0.140		0.0390
8001-35-2	Toxaphene	ND	0.700		0.4074

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS 71%
Initial Wt.(gms) 10.06
Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

000413

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B11 0-6
Lab ID: 4012102 10X
Filename: 04344.D
Lab Project : 40121

Location: 700 Area
MATRIX: Soil
Ext. Batch: 022504
Date Extracted: 2/25/2004
Date Analyzed: 01-Mar-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.120		0.0180
319-85-7	beta-BHC	ND	0.120		0.0200
58-89-9	gamma-BHC	ND	0.120		0.0180
319-86-8	delta-BHC	ND	0.120		0.0210
76-44-8	Heptachlor	ND	0.120		0.0210
309-00-2	Aldrin	ND	0.120		0.0180
1024-57-3	Heptachlor epoxide	ND	0.120		0.0180
5103-74-2	gamma-Chlordane	ND	0.120		0.0170
5103-71-9	alpha-Chlordane	ND	0.120		0.0170
959-98-8	Endosulfan I	ND	0.120		0.0210
72-55-9	4,4'-DDE	0.0220	0.120		0.0190
60-57-1	Dieldrin	ND	0.120		0.0190
72-20-8	Endrin	ND	0.120		0.0320
33213-65-9	Endosulfan II	ND	0.120		0.0210
72-54-8	4,4'-DDD	ND	0.120		0.0180
7421-93-4	Endrin aldehyde	ND	0.120		0.0250
50-29-3	4,4'-DDT	ND	0.120		0.0300
1031-07-8	Endosulfan sulfate	ND	0.120		0.0250
53494-70-5	Endrin ketone	ND	0.120		0.0220
72-43-5	Methoxychlor	ND	0.120		0.0330
8001-35-2	Toxaphene	ND	0.598		0.3483

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	82%
Initial Wt.(gms)	10.19
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV
Project Name:	700 Area
Field ID:	Dupe
Lab ID:	4012105 10X
Filename:	04345.D
Lab Project :	40121

Location: 700 Area
MATRIX: Soil
Ext. Batch: 022504
Date Extracted: 2/25/2004
Date Analyzed: 01-Mar-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.129		0.0200
319-85-7	beta-BHC	ND	0.129		0.0210
58-89-9	gamma-BHC	ND	0.129		0.0200
319-86-8	delta-BHC	ND	0.129		0.0230
76-44-8	Heptachlor	ND	0.129		0.0230
309-00-2	Aldrin	ND	0.129		0.0190
1024-57-3	Heptachlor epoxide	ND	0.129		0.0200
5103-74-2	gamma-Chlordane	ND	0.129		0.0180
5103-71-9	alpha-Chlordane	ND	0.129		0.0190
959-98-8	Endosulfan I	ND	0.129		0.0220
72-55-9	4,4'-DDE	0.0210	0.129		0.0210
60-57-1	Dieldrin	ND	0.129		0.0200
72-20-8	Endrin	ND	0.129		0.0350
33213-65-9	Endosulfan II	ND	0.129		0.0230
72-54-8	4,4'-DDD	ND	0.129		0.0200
7421-93-4	Endrin aldehyde	ND	0.129		0.0280
50-29-3	4,4'-DDT	ND	0.129		0.0330
1031-07-8	Endosulfan sulfate	ND	0.129		0.0270
53494-70-5	Endrin ketone	ND	0.129		0.0240
72-43-5	Methoxychlor	ND	0.129		0.0360
8001-35-2	Toxaphene	ND	0.647		0.3764

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	77%
Initial Wt.(gms)	10.04
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B12 0-6
Lab ID: 4010917 10X
Filename: 04267D.D
Lab Project : 40109

Location: 700 Area
MATRIX: Soil
Ext. Batch: 021204
Date Extracted: 2/12/2004
Date Analyzed: 20-Feb-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.155		0.0240
319-85-7	beta-BHC	ND	0.155		0.0260
58-89-9	gamma-BHC	ND	0.155		0.0240
319-86-8	delta-BHC	ND	0.155		0.0270
76-44-8	Heptachlor	ND	0.155		0.0280
309-00-2	Aldrin	ND	0.155		0.0230
1024-57-3	Heptachlor epoxide	ND	0.155		0.0230
5103-74-2	gamma-Chlordane	ND	0.155		0.0220
5103-71-9	alpha-Chlordane	ND	0.155		0.0230
959-98-8	Endosulfan I	ND	0.155		0.0270
72-55-9	4,4'-DDE	0.0340	0.155		0.0250
60-57-1	Dieldrin	ND	0.155		0.0240
72-20-8	Endrin	ND	0.155		0.0410
33213-65-9	Endosulfan II	ND	0.155		0.0280
72-54-8	4,4'-DDD	0.0310	0.155		0.0230
7421-93-4	Endrin aldehyde	ND	0.155		0.0330
50-29-3	4,4'-DDT	ND	0.155		0.0390
1031-07-8	Endosulfan sulfate	ND	0.155		0.0320
53494-70-5	Endrin ketone	ND	0.155		0.0280
72-43-5	Methoxychlor	ND	0.155		0.0430
8001-35-2	Toxaphene	ND	0.773		0.4497

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	64%
Initial Wt.(gms)	10.11
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B13 0-6
Lab ID: 4010920 10X
Filename: 04268D.D
Lab Project : 40109

Location: 700 Area
MATRIX: Soil
Ext. Batch: 021204
Date Extracted: 2/12/2004
Date Analyzed: 20-Feb-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.124		0.0190
319-85-7	beta-BHC	ND	0.124		0.0210
58-89-9	gamma-BHC	ND	0.124		0.0190
319-86-8	delta-BHC	ND	0.124		0.0220
76-44-8	Heptachlor	0.4200	0.124		0.0220
309-00-2	Aldrin	ND	0.124		0.0190
1024-57-3	Heptachlor epoxide	0.1800	0.124		0.0190
5103-74-2	gamma-Chlordane	0.3900	0.124		0.0170
5103-71-9	alpha-Chlordane	0.1800	0.124		0.0180
959-98-8	Endosulfan I	ND	0.124		0.0210
72-55-9	4,4'-DDE	0.0610	0.124		0.0200
60-57-1	Dieldrin	0.0270	0.124		0.0200
72-20-8	Endrin	ND	0.124		0.0330
33213-65-9	Endosulfan II	ND	0.124		0.0220
72-54-8	4,4'-DDD	0.0530	0.124		0.0190
7421-93-4	Endrin aldehyde	ND	0.124		0.0270
50-29-3	4,4'-DDT	0.1300	0.124		0.0310
1031-07-8	Endosulfan sulfate	ND	0.124		0.0260
53494-70-5	Endrin ketone	ND	0.124		0.0230
72-43-5	Methoxychlor	ND	0.124		0.0340
8001-35-2	Toxaphene	ND	0.622		0.3622

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS 79%
Initial Wt.(gms) 10.17
Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

000417

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B14 0-6	Ext. Batch:	021204
Lab ID:	4011202 200X	Date Extracte	02/12/04
Filename:	04283D.D	Date Analyzec	02/23/04
Lab Project :	40112	Dilution:	200
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	2.330		0.3600
319-85-7	beta-BHC	ND	2.330		0.3800
58-89-9	gamma-BHC	ND	2.330		0.3600
319-86-8	delta-BHC	ND	2.330		0.4100
76-44-8	Heptachlor	7.9000	2.330	D	0.4100
309-00-2	Aldrin	ND	2.330		0.3500
1024-57-3	Heptachlor epoxide	0.7600	2.330	D	0.3500
5103-74-2	gamma-Chlordane	3.8000	2.330	D	0.3300
5103-71-9	alpha-Chlordane	1.0000	2.330	D	0.3400
959-98-8	Endosulfan I	ND	2.330		0.4000
72-55-9	4,4'-DDE	ND	2.330		0.3800
60-57-1	Dieldrin	ND	2.330		0.3700
72-20-8	Endrin	ND	2.330		0.6200
33213-65-9	Endosulfan II	ND	2.330		0.4200
72-54-8	4,4'-DDD	ND	2.330		0.3500
7421-93-4	Endrin aldehyde	ND	2.330		0.5000
50-29-3	4,4'-DDT	ND	2.330		0.5900
1031-07-8	Endosulfan sulfate	ND	2.330		0.4800
53494-70-5	Endrin ketone	ND	2.330		0.4300
72-43-5	Methoxychlor	ND	2.330		0.6500
8001-35-2	Toxaphene	ND	11.648		6.7793

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	85.00%
Initial Wt.(gms)	10.1
Final Vol.(ml)	10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B14 0-6	Ext. Batch:	021204
Lab ID:	4011202 10X	Date Extracte	02/12/04
Filename:	04274D.D	Date Analyzec	02/23/04
Lab Project :	40112	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.116		0.0180
319-85-7	beta-BHC	ND	0.116		0.0190
58-89-9	gamma-BHC	ND	0.116		0.0180
319-86-8	delta-BHC	ND	0.116		0.0200
76-44-8	Heptachlor	12.0000	0.116	E	0.0210
309-00-2	Aldrin	ND	0.116		0.0170
1024-57-3	Heptachlor epoxide	1.1000	0.116		0.0180
5103-74-2	gamma-Chlordane	5.3000	0.116	E	0.0160
5103-71-9	alpha-Chlordane	1.5000	0.116	E	0.0170
959-98-8	Endosulfan I	ND	0.116		0.0200
72-55-9	4,4'-DDE	0.3200	0.116		0.0190
60-57-1	Dieldrin	ND	0.116		0.0180
72-20-8	Endrin	ND	0.116		0.0310
33213-65-9	Endosulfan II	ND	0.116		0.0210
72-54-8	4,4'-DDD	0.2400	0.116		0.0180
7421-93-4	Endrin aldehyde	ND	0.116		0.0250
50-29-3	4,4'-DDT	0.7000	0.116		0.0290
1031-07-8	Endosulfan sulfate	ND	0.116		0.0240
53494-70-5	Endrin ketone	ND	0.116		0.0210
72-43-5	Methoxychlor	ND	0.116		0.0320
8001-35-2	Toxaphene	ND	0.582		0.3390

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	85.00%
Initial Wt.(gms)	10.1
Final Vol.(ml)	10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

000418

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B15 0-6	Ext. Batch:	021204
Lab ID:	4011205 10X	Date Extracted:	2/12/2004
Filename:	04275D.D	Date Analyzed:	23-Feb-04
Lab Project :	40112	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.121		0.0190
319-85-7	beta-BHC	ND	0.121		0.0200
58-89-9	gamma-BHC	ND	0.121		0.0190
319-86-8	delta-BHC	ND	0.121		0.0210
76-44-8	Heptachlor	0.0510	0.121		0.0220
309-00-2	Aldrin	ND	0.121		0.0180
1024-57-3	Heptachlor epoxide	0.0350	0.121		0.0180
5103-74-2	gamma-Chlordane	0.0670	0.121		0.0170
5103-71-9	alpha-Chlordane	0.0720	0.121		0.0180
959-98-8	Endosulfan I	ND	0.121		0.0210
72-55-9	4,4'-DDE	ND	0.121		0.0190
60-57-1	Dieldrin	ND	0.121		0.0190
72-20-8	Endrin	ND	0.121		0.0320
33213-65-9	Endosulfan II	ND	0.121		0.0220
72-54-8	4,4'-DDD	ND	0.121		0.0180
7421-93-4	Endrin aldehyde	ND	0.121		0.0260
50-29-3	4,4'-DDT	ND	0.121		0.0310
1031-07-8	Endosulfan sulfate	ND	0.121		0.0250
53494-70-5	Endrin ketone	ND	0.121		0.0220
72-43-5	Methoxychlor	ND	0.121		0.0340
8001-35-2	Toxaphene	ND	0.605		0.3522

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	81%
Initial Wt.(gms)	10.20
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B16 0-6	Ext. Batch:	021204
Lab ID:	4011208 10X	Date Extracted:	2/12/2004
Filename:	04276D.D	Date Analyzed:	23-Feb-04
Lab Project :	40112	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.131		0.0200
319-85-7	beta-BHC	ND	0.131		0.0220
58-89-9	gamma-BHC	ND	0.131		0.0200
319-86-8	delta-BHC	ND	0.131		0.0230
76-44-8	Heptachlor	ND	0.131		0.0230
309-00-2	Aldrin	ND	0.131		0.0200
1024-57-3	Heptachlor epoxide	ND	0.131		0.0200
5103-74-2	gamma-Chlordane	0.0460	0.131		0.0180
5103-71-9	alpha-Chlordane	0.0790	0.131		0.0190
959-98-8	Endosulfan I	ND	0.131		0.0230
72-55-9	4,4'-DDE	ND	0.131		0.0210
60-57-1	Dieldrin	ND	0.131		0.0210
72-20-8	Endrin	ND	0.131		0.0350
33213-65-9	Endosulfan II	ND	0.131		0.0230
72-54-8	4,4'-DDD	ND	0.131		0.0200
7421-93-4	Endrin aldehyde	ND	0.131		0.0280
50-29-3	4,4'-DDT	ND	0.131		0.0330
1031-07-8	Endosulfan sulfate	ND	0.131		0.0270
53494-70-5	Endrin ketone	ND	0.131		0.0240
72-43-5	Methoxychlor	ND	0.131		0.0360
8001-35-2	Toxaphene	ND	0.655		0.3810

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	76%
Initial Wt.(gms)	10.05
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B17 0-6
Lab ID: 4011211 10X
Filename: 04277D.D
Lab Project : 40112

Location: 700 Area
MATRIX: Soil
Ext. Batch: 021204
Date Extracted: 2/12/2004
Date Analyzed: 23-Feb-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.125		0.0190
319-85-7	beta-BHC	ND	0.125		0.0210
58-89-9	gamma-BHC	ND	0.125		0.0190
319-86-8	delta-BHC	ND	0.125		0.0220
76-44-8	Heptachlor	0.0770	0.125		0.0220
309-00-2	Aldrin	ND	0.125		0.0190
1024-57-3	Heptachlor epoxide	0.1300	0.125		0.0190
5103-74-2	gamma-Chlordane	0.3500	0.125		0.0170
5103-71-9	alpha-Chlordane	0.1200	0.125		0.0180
959-98-8	Endosulfan I	ND	0.125		0.0210
72-55-9	4,4'-DDE	0.0420	0.125		0.0200
60-57-1	Dieldrin	ND	0.125		0.0200
72-20-8	Endrin	ND	0.125		0.0330
33213-65-9	Endosulfan II	ND	0.125		0.0220
72-54-8	4,4'-DDD	0.0700	0.125		0.0190
7421-93-4	Endrin aldehyde	ND	0.125		0.0270
50-29-3	4,4'-DDT	0.0940	0.125		0.0320
1031-07-8	Endosulfan sulfate	ND	0.125		0.0260
53494-70-5	Endrin ketone	ND	0.125		0.0230
72-43-5	Methoxychlor	ND	0.125		0.0350
8001-35-2	Toxaphene	ND	0.625		0.3636

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS 78%
Initial Wt.(gms) 10.26
Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B18 0-6	Ext. Batch:	021204
Lab ID:	4011214 10X	Date Extracted:	2/12/2004
Filename:	04278D.D	Date Analyzed:	23-Feb-04
Lab Project :	40112	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.122		0.0190
319-85-7	beta-BHC	ND	0.122		0.0200
58-89-9	gamma-BHC	ND	0.122		0.0190
319-86-8	delta-BHC	ND	0.122		0.0210
76-44-8	Heptachlor	ND	0.122		0.0220
309-00-2	Aldrin	ND	0.122		0.0180
1024-57-3	Heptachlor epoxide	ND	0.122		0.0180
5103-74-2	gamma-Chlordane	ND	0.122		0.0170
5103-71-9	alpha-Chlordane	ND	0.122		0.0180
959-98-8	Endosulfan I	ND	0.122		0.0210
72-55-9	4,4'-DDE	0.0590	0.122		0.0200
60-57-1	Dieldrin	ND	0.122		0.0190
72-20-8	Endrin	ND	0.122		0.0330
33213-65-9	Endosulfan II	ND	0.122		0.0220
72-54-8	4,4'-DDD	0.0450	0.122		0.0190
7421-93-4	Endrin aldehyde	ND	0.122		0.0260
50-29-3	4,4'-DDT	0.0480	0.122		0.0310
1031-07-8	Endosulfan sulfate	ND	0.122		0.0250
53494-70-5	Endrin ketone	ND	0.122		0.0220
72-43-5	Methoxychlor	ND	0.122		0.0340
8001-35-2	Toxaphene	ND	0.611		0.3554

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	81%
Initial Wt.(gms)	10.11
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B19 0-6	Ext. Batch:	021204
Lab ID:	4011217 10X	Date Extracted:	2/12/2004
Filename:	04279D.D	Date Analyzed:	23-Feb-04
Lab Project :	40112	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.125		0.0190
319-85-7	beta-BHC	ND	0.125		0.0210
58-89-9	gamma-BHC	ND	0.125		0.0190
319-86-8	delta-BHC	ND	0.125		0.0220
76-44-8	Heptachlor	ND	0.125		0.0220
309-00-2	Aldrin	ND	0.125		0.0190
1024-57-3	Heptachlor epoxide	ND	0.125		0.0190
5103-74-2	gamma-Chlordane	ND	0.125		0.0170
5103-71-9	alpha-Chlordane	ND	0.125		0.0180
959-98-8	Endosulfan I	ND	0.125		0.0210
72-55-9	4,4'-DDE	0.0330	0.125		0.0200
60-57-1	Dieldrin	ND	0.125		0.0200
72-20-8	Endrin	ND	0.125		0.0330
33213-65-9	Endosulfan II	ND	0.125		0.0220
72-54-8	4,4'-DDD	ND	0.125		0.0190
7421-93-4	Endrin aldehyde	ND	0.125		0.0270
50-29-3	4,4'-DDT	ND	0.125		0.0310
1031-07-8	Endosulfan sulfate	ND	0.125		0.0260
53494-70-5	Endrin ketone	ND	0.125		0.0230
72-43-5	Methoxychlor	ND	0.125		0.0340
8001-35-2	Toxaphene	ND	0.623		0.3623

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	80%
Initial Wt.(gms)	10.04
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

000424

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B20 0-6
Lab ID: 4011220 10X
Filename: 04280D.D
Lab Project : 40112

Location: 700 Area
MATRIX: Soil
Ext. Batch: 021204
Date Extracted: 2/12/2004
Date Analyzed: 23-Feb-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.145		0.0220
319-85-7	beta-BHC	ND	0.145		0.0240
58-89-9	gamma-BHC	ND	0.145		0.0220
319-86-8	delta-BHC	ND	0.145		0.0250
76-44-8	Heptachlor	0.3700	0.145		0.0260
309-00-2	Aldrin	ND	0.145		0.0220
1024-57-3	Heptachlor epoxide	0.2700	0.145		0.0220
5103-74-2	gamma-Chlordane	0.4500	0.145		0.0200
5103-71-9	alpha-Chlordane	0.2000	0.145		0.0210
959-98-8	Endosulfan I	ND	0.145		0.0250
72-55-9	4,4'-DDE	0.0800	0.145		0.0230
60-57-1	Dieldrin	ND	0.145		0.0230
72-20-8	Endrin	ND	0.145		0.0390
33213-65-9	Endosulfan II	ND	0.145		0.0260
72-54-8	4,4'-DDD	0.0840	0.145		0.0220
7421-93-4	Endrin aldehyde	ND	0.145		0.0310
50-29-3	4,4'-DDT	0.1100	0.145		0.0370
1031-07-8	Endosulfan sulfate	ND	0.145		0.0300
53494-70-5	Endrin ketone	ND	0.145		0.0270
72-43-5	Methoxychlor	ND	0.145		0.0400
8001-35-2	Toxaphene	ND	0.723		0.4209

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	69%
Initial Wt.(gms)	10.02
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B21 0-6
Lab ID: 4011502 10X
Filename: 04291D.D
Lab Project : 40115

Location: 700 Area
MATRIX: Soil
Ext. Batch: 021304
Date Extracted: 2/13/2004
Date Analyzed: 24-Feb-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.110		0.0170
319-85-7	beta-BHC	ND	0.110		0.0180
58-89-9	gamma-BHC	ND	0.110		0.0170
319-86-8	delta-BHC	ND	0.110		0.0190
76-44-8	Heptachlor	ND	0.110		0.0200
309-00-2	Aldrin	ND	0.110		0.0160
1024-57-3	Heptachlor epoxide	ND	0.110		0.0170
5103-74-2	gamma-Chlordane	ND	0.110		0.0150
5103-71-9	alpha-Chlordane	ND	0.110		0.0160
959-98-8	Endosulfan I	ND	0.110		0.0190
72-55-9	4,4'-DDE	0.0570	0.110		0.0180
60-57-1	Dieldrin	ND	0.110		0.0170
72-20-8	Endrin	ND	0.110		0.0290
33213-65-9	Endosulfan II	ND	0.110		0.0200
72-54-8	4,4'-DDD	0.0240	0.110		0.0170
7421-93-4	Endrin aldehyde	ND	0.110		0.0230
50-29-3	4,4'-DDT	0.2100	0.110		0.0280
1031-07-8	Endosulfan sulfate	ND	0.110		0.0230
53494-70-5	Endrin ketone	ND	0.110		0.0200
72-43-5	Methoxychlor	ND	0.110		0.0300
8001-35-2	Toxaphene	ND	0.549		0.3195

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS 91%
Initial Wt.(gms) 10.01
Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	Dupe	Ext. Batch:	021304
Lab ID:	4011505 10X	Date Extracted:	2/13/2004
Filename:	04292D.D	Date Analyzed:	24-Feb-04
Lab Project :	40115	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.126		0.0190
319-85-7	beta-BHC	ND	0.126		0.0210
58-89-9	gamma-BHC	ND	0.126		0.0190
319-86-8	delta-BHC	ND	0.126		0.0220
76-44-8	Heptachlor	ND	0.126		0.0220
309-00-2	Aldrin	ND	0.126		0.0190
1024-57-3	Heptachlor epoxide	ND	0.126		0.0190
5103-74-2	gamma-Chlordane	ND	0.126		0.0180
5103-71-9	alpha-Chlordane	ND	0.126		0.0180
959-98-8	Endosulfan I	ND	0.126		0.0220
72-55-9	4,4'-DDE	0.0500	0.126		0.0200
60-57-1	Dieldrin	ND	0.126		0.0200
72-20-8	Endrin	ND	0.126		0.0340
33213-65-9	Endosulfan II	ND	0.126		0.0230
72-54-8	4,4'-DDD	0.0230	0.126		0.0190
7421-93-4	Endrin aldehyde	ND	0.126		0.0270
50-29-3	4,4'-DDT	0.2000	0.126		0.0320
1031-07-8	Endosulfan sulfate	ND	0.126		0.0260
53494-70-5	Endrin ketone	ND	0.126		0.0230
72-43-5	Methoxychlor	ND	0.126		0.0350
8001-35-2	Toxaphene	ND	0.629		0.3658

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	79%
Initial Wt.(gms)	10.07
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B22 0-6	Ext. Batch:	021304
Lab ID:	4011508 10X	Date Extracted:	2/13/2004
Filename:	04293D.D	Date Analyzed:	24-Feb-04
Lab Project :	40115	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.130		0.0200
319-85-7	beta-BHC	ND	0.130		0.0210
58-89-9	gamma-BHC	ND	0.130		0.0200
319-86-8	delta-BHC	ND	0.130		0.0230
76-44-8	Heptachlor	ND	0.130		0.0230
309-00-2	Aldrin	ND	0.130		0.0190
1024-57-3	Heptachlor epoxide	ND	0.130		0.0200
5103-74-2	gamma-Chlordane	ND	0.130		0.0180
5103-71-9	alpha-Chlordane	ND	0.130		0.0190
959-98-8	Endosulfan I	ND	0.130		0.0220
72-55-9	4,4'-DDE	ND	0.130		0.0210
60-57-1	Dieldrin	ND	0.130		0.0200
72-20-8	Endrin	ND	0.130		0.0350
33213-65-9	Endosulfan II	ND	0.130		0.0230
72-54-8	4,4'-DDD	ND	0.130		0.0200
7421-93-4	Endrin aldehyde	ND	0.130		0.0280
50-29-3	4,4'-DDT	ND	0.130		0.0330
1031-07-8	Endosulfan sulfate	ND	0.130		0.0270
53494-70-5	Endrin ketone	ND	0.130		0.0240
72-43-5	Methoxychlor	ND	0.130		0.0360
8001-35-2	Toxaphene	ND	0.649		0.3775

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	77%
Initial Wt.(gms)	10.01
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B23 0-6	Ext. Batch:	021304
Lab ID:	4011511 10X	Date Extracted:	2/13/2004
Filename:	04294D.D	Date Analyzed:	24-Feb-04
Lab Project :	40115	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.126		0.0190
319-85-7	beta-BHC	ND	0.126		0.0210
58-89-9	gamma-BHC	ND	0.126		0.0190
319-86-8	delta-BHC	ND	0.126		0.0220
76-44-8	Heptachlor	ND	0.126		0.0220
309-00-2	Aldrin	ND	0.126		0.0190
1024-57-3	Heptachlor epoxide	ND	0.126		0.0190
5103-74-2	gamma-Chlordane	ND	0.126		0.0180
5103-71-9	alpha-Chlordane	ND	0.126		0.0180
959-98-8	Endosulfan I	ND	0.126		0.0220
72-55-9	4,4'-DDE	ND	0.126		0.0200
60-57-1	Dieldrin	ND	0.126		0.0200
72-20-8	Endrin	ND	0.126		0.0340
33213-65-9	Endosulfan II	ND	0.126		0.0230
72-54-8	4,4'-DDD	ND	0.126		0.0190
7421-93-4	Endrin aldehyde	ND	0.126		0.0270
50-29-3	4,4'-DDT	ND	0.126		0.0320
1031-07-8	Endosulfan sulfate	ND	0.126		0.0260
53494-70-5	Endrin ketone	ND	0.126		0.0230
72-43-5	Methoxychlor	ND	0.126		0.0350
8001-35-2	Toxaphene	ND	0.629		0.3661

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	78%
Initial Wt.(gms)	10.19
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:**	700 Area
Project Name:	700 Area	**MATRIX:**	Soil
Field ID:	B24 - 0-6	**Ext. Batch:**	021304
Lab ID:	4011514 10X	**Date Extracted:**	2/13/2004
Filename:	04295D.D	**Date Analyzed:**	24-Feb-04
Lab Project :	40115	**Dilution:**	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.128		0.0200
319-85-7	beta-BHC	ND	0.128		0.0210
58-89-9	gamma-BHC	ND	0.128		0.0200
319-86-8	delta-BHC	ND	0.128		0.0220
76-44-8	Heptachlor	ND	0.128		0.0230
309-00-2	Aldrin	ND	0.128		0.0190
1024-57-3	Heptachlor epoxide	ND	0.128		0.0190
5103-74-2	gamma-Chlordane	ND	0.128		0.0180
5103-71-9	alpha-Chlordane	ND	0.128		0.0190
959-98-8	Endosulfan I	ND	0.128		0.0220
72-55-9	4,4'-DDE	ND	0.128		0.0210
60-57-1	Dieldrin	ND	0.128		0.0200
72-20-8	Endrin	ND	0.128		0.0340
33213-65-9	Endosulfan II	ND	0.128		0.0230
72-54-8	4,4'-DDD	ND	0.128		0.0190
7421-93-4	Endrin aldehyde	ND	0.128		0.0270
50-29-3	4,4'-DDT	ND	0.128		0.0320
1031-07-8	Endosulfan sulfate	ND	0.128		0.0270
53494-70-5	Endrin ketone	ND	0.128		0.0240
72-43-5	Methoxychlor	ND	0.128		0.0360
8001-35-2	Toxaphene	ND	0.641		0.3731

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	77%
Initial Wt.(gms)	10.13
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B25 0-6	Ext. Batch:	021304
Lab ID:	4011517 10X	Date Extracted:	2/13/2004
Filename:	04296D.D	Date Analyzed:	24-Feb-04
Lab Project :	40115	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.121		0.0190
319-85-7	beta-BHC	ND	0.121		0.0200
58-89-9	gamma-BHC	ND	0.121		0.0190
319-86-8	delta-BHC	ND	0.121		0.0210
76-44-8	Heptachlor	ND	0.121		0.0220
309-00-2	Aldrin	ND	0.121		0.0180
1024-57-3	Heptachlor epoxide	ND	0.121		0.0180
5103-74-2	gamma-Chlordane	ND	0.121		0.0170
5103-71-9	alpha-Chlordane	ND	0.121		0.0180
959-98-8	Endosulfan I	ND	0.121		0.0210
72-55-9	4,4'-DDE	ND	0.121		0.0200
60-57-1	Dieldrin	ND	0.121		0.0190
72-20-8	Endrin	ND	0.121		0.0330
33213-65-9	Endosulfan II	ND	0.121		0.0220
72-54-8	4,4'-DDD	ND	0.121		0.0180
7421-93-4	Endrin aldehyde	ND	0.121		0.0260
50-29-3	4,4'-DDT	ND	0.121		0.0310
1031-07-8	Endosulfan sulfate	ND	0.121		0.0250
53494-70-5	Endrin ketone	ND	0.121		0.0220
72-43-5	Methoxychlor	ND	0.121		0.0340
8001-35-2	Toxaphene	ND	0.606		0.3529

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	81%
Initial Wt.(gms)	10.18
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:**	700 Area
Project Name:	700 Area	**MATRIX:**	Soil
Field ID:	B26 0-6	**Ext. Batch:**	021304
Lab ID:	4011520 10X	**Date Extracted:**	2/13/2004
Filename:	04297D.D	**Date Analyzed:**	24-Feb-04
Lab Project :	40115	**Dilution:**	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.132		0.0200
319-85-7	beta-BHC	ND	0.132		0.0220
58-89-9	gamma-BHC	ND	0.132		0.0200
319-86-8	delta-BHC	ND	0.132		0.0230
76-44-8	Heptachlor	ND	0.132		0.0230
309-00-2	Aldrin	ND	0.132		0.0200
1024-57-3	Heptachlor epoxide	ND	0.132		0.0200
5103-74-2	gamma-Chlordane	ND	0.132		0.0180
5103-71-9	alpha-Chlordane	ND	0.132		0.0190
959-98-8	Endosulfan I	ND	0.132		0.0230
72-55-9	4,4'-DDE	ND	0.132		0.0210
60-57-1	Dieldrin	ND	0.132		0.0210
72-20-8	Endrin	ND	0.132		0.0350
33213-65-9	Endosulfan II	ND	0.132		0.0240
72-54-8	4,4'-DDD	ND	0.132		0.0200
7421-93-4	Endrin aldehyde	ND	0.132		0.0280
50-29-3	4,4'-DDT	ND	0.132		0.0330
1031-07-8	Endosulfan sulfate	ND	0.132		0.0270
53494-70-5	Endrin ketone	ND	0.132		0.0240
72-43-5	Methoxychlor	ND	0.132		0.0360
8001-35-2	Toxaphene	ND	0.658		0.3829

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	76%
Initial Wt.(gms)	10.00
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B27 0-6	Ext. Batch:	021804
Lab ID:	4011702 10X	Date Extracted:	2/18/2004
Filename:	04319.D	Date Analyzed:	26-Feb-04
Lab Project :	40117	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.165		0.0250
319-85-7	beta-BHC	ND	0.165		0.0270
58-89-9	gamma-BHC	ND	0.165		0.0250
319-86-8	delta-BHC	ND	0.165		0.0290
76-44-8	Heptachlor	ND	0.165		0.0290
309-00-2	Aldrin	ND	0.165		0.0250
1024-57-3	Heptachlor epoxide	ND	0.165		0.0250
5103-74-2	gamma-Chlordane	ND	0.165		0.0230
5103-71-9	alpha-Chlordane	ND	0.165		0.0240
959-98-8	Endosulfan I	ND	0.165		0.0280
72-55-9	4,4'-DDE	0.0760	0.165		0.0270
60-57-1	Dieldrin	ND	0.165		0.0260
72-20-8	Endrin	ND	0.165		0.0440
33213-65-9	Endosulfan II	ND	0.165		0.0290
72-54-8	4,4'-DDD	ND	0.165		0.0250
7421-93-4	Endrin aldehyde	ND	0.165		0.0350
50-29-3	4,4'-DDT	0.1400	0.165		0.0420
1031-07-8	Endosulfan sulfate	ND	0.165		0.0340
53494-70-5	Endrin ketone	ND	0.165		0.0300
72-43-5	Methoxychlor	ND	0.165		0.0460
8001-35-2	Toxaphene	ND	0.823		0.4792

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	60%
Initial Wt.(gms)	10.12
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B28 0-6	Ext. Batch:	021804
Lab ID:	4011705 10X	Date Extracted:	2/18/2004
Filename:	04320.D	Date Analyzed:	26-Feb-04
Lab Project :	40117	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.130		0.0200
319-85-7	beta-BHC	ND	0.130		0.0210
58-89-9	gamma-BHC	ND	0.130		0.0200
319-86-8	delta-BHC	ND	0.130		0.0230
76-44-8	Heptachlor	ND	0.130		0.0230
309-00-2	Aldrin	ND	0.130		0.0190
1024-57-3	Heptachlor epoxide	ND	0.130		0.0200
5103-74-2	gamma-Chlordane	ND	0.130		0.0180
5103-71-9	alpha-Chlordane	ND	0.130		0.0190
959-98-8	Endosulfan I	ND	0.130		0.0220
72-55-9	4,4'-DDE	0.1700	0.130		0.0210
60-57-1	Dieldrin	ND	0.130		0.0210
72-20-8	Endrin	ND	0.130		0.0350
33213-65-9	Endosulfan II	ND	0.130		0.0230
72-54-8	4,4'-DDD	0.0590	0.130		0.0200
7421-93-4	Endrin aldehyde	ND	0.130		0.0280
50-29-3	4,4'-DDT	0.5700	0.130		0.0330
1031-07-8	Endosulfan sulfate	ND	0.130		0.0270
53494-70-5	Endrin ketone	ND	0.130		0.0240
72-43-5	Methoxychlor	ND	0.130		0.0360
8001-35-2	Toxaphene	ND	0.649		0.3780

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	76%
Initial Wt.(gms)	10.13
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B29 0-6
Lab ID: 4011708 10X
Filename: 04321.D
Lab Project : 40117

Location: 700 Area
MATRIX: Soil
Ext. Batch: 021804
Date Extracted: 2/18/2004
Date Analyzed: 26-Feb-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.139		0.0210
319-85-7	beta-BHC	ND	0.139		0.0230
58-89-9	gamma-BHC	ND	0.139		0.0210
319-86-8	delta-BHC	ND	0.139		0.0240
76-44-8	Heptachlor	ND	0.139		0.0250
309-00-2	Aldrin	ND	0.139		0.0210
1024-57-3	Heptachlor epoxide	ND	0.139		0.0210
5103-74-2	gamma-Chlordane	ND	0.139		0.0190
5103-71-9	alpha-Chlordane	ND	0.139		0.0200
959-98-8	Endosulfan I	ND	0.139		0.0240
72-55-9	4,4'-DDE	0.1500	0.139		0.0220
60-57-1	Dieldrin	ND	0.139		0.0220
72-20-8	Endrin	ND	0.139		0.0370
33213-65-9	Endosulfan II	ND	0.139		0.0250
72-54-8	4,4'-DDD	0.0510	0.139		0.0210
7421-93-4	Endrin aldehyde	ND	0.139		0.0300
50-29-3	4,4'-DDT	0.2400	0.139		0.0350
1031-07-8	Endosulfan sulfate	ND	0.139		0.0290
53494-70-5	Endrin ketone	ND	0.139		0.0260
72-43-5	Methoxychlor	ND	0.139		0.0390
8001-35-2	Toxaphene	ND	0.696		0.4050

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS 71%
Initial Wt.(gms) 10.12
Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

000435

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B30 0-6	Ext. Batch:	021804
Lab ID:	4011711 10X	Date Extracted:	2/18/2004
Filename:	04322.D	Date Analyzed:	26-Feb-04
Lab Project :	40117	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.134		0.0210
319-85-7	beta-BHC	ND	0.134		0.0220
58-89-9	gamma-BHC	ND	0.134		0.0210
319-86-8	delta-BHC	ND	0.134		0.0230
76-44-8	Heptachlor	ND	0.134		0.0240
309-00-2	Aldrin	ND	0.134		0.0200
1024-57-3	Heptachlor epoxide	ND	0.134		0.0200
5103-74-2	gamma-Chlordane	ND	0.134		0.0190
5103-71-9	alpha-Chlordane	ND	0.134		0.0200
959-98-8	Endosulfan I	ND	0.134		0.0230
72-55-9	4,4'-DDE	0.0540	0.134		0.0220
60-57-1	Dieldrin	ND	0.134		0.0210
72-20-8	Endrin	ND	0.134		0.0360
33213-65-9	Endosulfan II	ND	0.134		0.0240
72-54-8	4,4'-DDD	0.0300	0.134		0.0200
7421-93-4	Endrin aldehyde	ND	0.134		0.0290
50-29-3	4,4'-DDT	0.0410	0.134		0.0340
1031-07-8	Endosulfan sulfate	ND	0.134		0.0280
53494-70-5	Endrin ketone	ND	0.134		0.0250
72-43-5	Methoxychlor	ND	0.134		0.0370
8001-35-2	Toxaphene	ND	0.671		0.3905

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	74%
Initial Wt.(gms)	10.07
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B31 0-6	Ext. Batch:	021804
Lab ID:	4011714 10X	Date Extracted:	2/18/2004
Filename:	04323.D	Date Analyzed:	26-Feb-04
Lab Project :	40117	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.130		0.0200
319-85-7	beta-BHC	ND	0.130		0.0210
58-89-9	gamma-BHC	ND	0.130		0.0200
319-86-8	delta-BHC	ND	0.130		0.0230
76-44-8	Heptachlor	ND	0.130		0.0230
309-00-2	Aldrin	ND	0.130		0.0190
1024-57-3	Heptachlor epoxide	ND	0.130		0.0200
5103-74-2	gamma-Chlordane	ND	0.130		0.0180
5103-71-9	alpha-Chlordane	ND	0.130		0.0190
959-98-8	Endosulfan I	ND	0.130		0.0220
72-55-9	4,4'-DDE	0.0870	0.130		0.0210
60-57-1	Dieldrin	ND	0.130		0.0210
72-20-8	Endrin	ND	0.130		0.0350
33213-65-9	Endosulfan II	ND	0.130		0.0230
72-54-8	4,4'-DDD	0.0570	0.130		0.0200
7421-93-4	Endrin aldehyde	ND	0.130		0.0280
50-29-3	4,4'-DDT	0.0390	0.130		0.0330
1031-07-8	Endosulfan sulfate	ND	0.130		0.0270
53494-70-5	Endrin ketone	ND	0.130		0.0240
72-43-5	Methoxychlor	ND	0.130		0.0360
8001-35-2	Toxaphene	ND	0.651		0.3787

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	76%
Initial Wt.(gms)	10.11
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B32 0-6
Lab ID: 4011717 10X
Filename: 04324.D
Lab Project : 40117

Location: 700 Area
MATRIX: Soil
Ext. Batch: 021804
Date Extracted: 2/18/2004
Date Analyzed: 26-Feb-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.134		0.0210
319-85-7	beta-BHC	ND	0.134		0.0220
58-89-9	gamma-BHC	ND	0.134		0.0210
319-86-8	delta-BHC	ND	0.134		0.0230
76-44-8	Heptachlor	ND	0.134		0.0240
309-00-2	Aldrin	ND	0.134		0.0200
1024-57-3	Heptachlor epoxide	ND	0.134		0.0200
5103-74-2	gamma-Chlordane	ND	0.134		0.0190
5103-71-9	alpha-Chlordane	ND	0.134		0.0200
959-98-8	Endosulfan I	ND	0.134		0.0230
72-55-9	4,4'-DDE	0.1400	0.134		0.0220
60-57-1	Dieldrin	ND	0.134		0.0210
72-20-8	Endrin	ND	0.134		0.0360
33213-65-9	Endosulfan II	ND	0.134		0.0240
72-54-8	4,4'-DDD	0.0780	0.134		0.0200
7421-93-4	Endrin aldehyde	ND	0.134		0.0290
50-29-3	4,4'-DDT	0.1400	0.134		0.0340
1031-07-8	Endosulfan sulfate	ND	0.134		0.0280
53494-70-5	Endrin ketone	ND	0.134		0.0250
72-43-5	Methoxychlor	ND	0.134		0.0370
8001-35-2	Toxaphene	ND	0.672		0.3909

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS 74%
Initial Wt.(gms) 10.06
Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B33 0-6	Ext. Batch:	021804
Lab ID:	4011720 10X	Date Extracted:	2/18/2004
Filename:	04325.D	Date Analyzed:	26-Feb-04
Lab Project :	40117	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.128		0.0200
319-85-7	beta-BHC	ND	0.128		0.0210
58-89-9	gamma-BHC	ND	0.128		0.0200
319-86-8	delta-BHC	ND	0.128		0.0220
76-44-8	Heptachlor	ND	0.128		0.0230
309-00-2	Aldrin	ND	0.128		0.0190
1024-57-3	Heptachlor epoxide	ND	0.128		0.0190
5103-74-2	gamma-Chlordane	ND	0.128		0.0180
5103-71-9	alpha-Chlordane	ND	0.128		0.0190
959-98-8	Endosulfan I	ND	0.128		0.0220
72-55-9	4,4'-DDE	0.5600	0.128		0.0210
60-57-1	Dieldrin	ND	0.128		0.0200
72-20-8	Endrin	ND	0.128		0.0340
33213-65-9	Endosulfan II	ND	0.128		0.0230
72-54-8	4,4'-DDD	0.1400	0.128		0.0190
7421-93-4	Endrin aldehyde	ND	0.128		0.0270
50-29-3	4,4'-DDT	0.2800	0.128		0.0320
1031-07-8	Endosulfan sulfate	ND	0.128		0.0260
53494-70-5	Endrin ketone	ND	0.128		0.0240
72-43-5	Methoxychlor	ND	0.128		0.0350
8001-35-2	Toxaphene	ND	0.639		0.3720

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	77%
Initial Wt.(gms)	10.16
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

000439

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B34 0-6
Lab ID: 4011723 10X
Filename: 04326.D
Lab Project : 40117

Location: 700 Area
MATRIX: Soil
Ext. Batch: 021804
Date Extracted: 2/18/2004
Date Analyzed: 26-Feb-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.136		0.0210
319-85-7	beta-BHC	ND	0.136		0.0230
58-89-9	gamma-BHC	ND	0.136		0.0210
319-86-8	delta-BHC	ND	0.136		0.0240
76-44-8	Heptachlor	ND	0.136		0.0240
309-00-2	Aldrin	ND	0.136		0.0200
1024-57-3	Heptachlor epoxide	ND	0.136		0.0210
5103-74-2	gamma-Chlordane	ND	0.136		0.0190
5103-71-9	alpha-Chlordane	ND	0.136		0.0200
959-98-8	Endosulfan I	ND	0.136		0.0230
72-55-9	4,4'-DDE	0.1700	0.136		0.0220
60-57-1	Dieldrin	ND	0.136		0.0220
72-20-8	Endrin	ND	0.136		0.0370
33213-65-9	Endosulfan II	ND	0.136		0.0240
72-54-8	4,4'-DDD	0.0390	0.136		0.0210
7421-93-4	Endrin aldehyde	ND	0.136		0.0290
50-29-3	4,4'-DDT	0.0820	0.136		0.0350
1031-07-8	Endosulfan sulfate	ND	0.136		0.0280
53494-70-5	Endrin ketone	ND	0.136		0.0250
72-43-5	Methoxychlor	ND	0.136		0.0380
8001-35-2	Toxaphene	ND	0.682		0.3970

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS 73%
Initial Wt.(gms) 10.04
Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

000440

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:**	700 Area
Project Name:	700 Area	**MATRIX:**	Soil
Field ID:	B35 0-6	**Ext. Batch:**	021804
Lab ID:	4011726 10X	**Date Extracted:**	2/18/2004
Filename:	04327.D	**Date Analyzed:**	26-Feb-04
Lab Project :	40117	**Dilution:**	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.118		0.0180
319-85-7	beta-BHC	ND	0.118		0.0190
58-89-9	gamma-BHC	ND	0.118		0.0180
319-86-8	delta-BHC	ND	0.118		0.0210
76-44-8	Heptachlor	ND	0.118		0.0210
309-00-2	Aldrin	ND	0.118		0.0180
1024-57-3	Heptachlor epoxide	ND	0.118		0.0180
5103-74-2	gamma-Chlordane	ND	0.118		0.0170
5103-71-9	alpha-Chlordane	ND	0.118		0.0170
959-98-8	Endosulfan I	ND	0.118		0.0200
72-55-9	4,4'-DDE	ND	0.118		0.0190
60-57-1	Dieldrin	ND	0.118		0.0190
72-20-8	Endrin	ND	0.118		0.0320
33213-65-9	Endosulfan II	ND	0.118		0.0210
72-54-8	4,4'-DDD	ND	0.118		0.0180
7421-93-4	Endrin aldehyde	ND	0.118		0.0250
50-29-3	4,4'-DDT	ND	0.118		0.0300
1031-07-8	Endosulfan sulfate	ND	0.118		0.0240
53494-70-5	Endrin ketone	ND	0.118		0.0220
72-43-5	Methoxychlor	ND	0.118		0.0330
8001-35-2	Toxaphene	ND	0.589		0.3430

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	84%
Initial Wt.(gms)	10.10
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B36 0-6	Ext. Batch:	021804
Lab ID:	4011802 10X	Date Extracted:	2/18/2004
Filename:	04328.D	Date Analyzed:	26-Feb-04
Lab Project :	40118	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.119		0.0180
319-85-7	beta-BHC	ND	0.119		0.0200
58-89-9	gamma-BHC	ND	0.119		0.0180
319-86-8	delta-BHC	ND	0.119		0.0210
76-44-8	Heptachlor	ND	0.119		0.0210
309-00-2	Aldrin	ND	0.119		0.0180
1024-57-3	Heptachlor epoxide	ND	0.119		0.0180
5103-74-2	gamma-Chlordane	ND	0.119		0.0170
5103-71-9	alpha-Chlordane	ND	0.119		0.0170
959-98-8	Endosulfan I	ND	0.119		0.0210
72-55-9	4,4'-DDE	0.1000	0.119		0.0190
60-57-1	Dieldrin	ND	0.119		0.0190
72-20-8	Endrin	ND	0.119		0.0320
33213-65-9	Endosulfan II	ND	0.119		0.0210
72-54-8	4,4'-DDD	0.0390	0.119		0.0180
7421-93-4	Endrin aldehyde	ND	0.119		0.0250
50-29-3	4,4'-DDT	0.0550	0.119		0.0300
1031-07-8	Endosulfan sulfate	ND	0.119		0.0250
53494-70-5	Endrin ketone	ND	0.119		0.0220
72-43-5	Methoxychlor	ND	0.119		0.0330
8001-35-2	Toxaphene	ND	0.597		0.3476

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	82%
Initial Wt.(gms)	10.21
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B37 0-6	Ext. Batch:	021804
Lab ID:	4011805 10X	Date Extracted:	2/18/2004
Filename:	04329.D	Date Analyzed:	26-Feb-04
Lab Project :	40118	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.136		0.0210
319-85-7	beta-BHC	ND	0.136		0.0220
58-89-9	gamma-BHC	ND	0.136		0.0210
319-86-8	delta-BHC	ND	0.136		0.0240
76-44-8	Heptachlor	ND	0.136		0.0240
309-00-2	Aldrin	ND	0.136		0.0200
1024-57-3	Heptachlor epoxide	ND	0.136		0.0210
5103-74-2	gamma-Chlordane	ND	0.136		0.0190
5103-71-9	alpha-Chlordane	ND	0.136		0.0200
959-98-8	Endosulfan I	ND	0.136		0.0230
72-55-9	4,4'-DDE	0.2000	0.136		0.0220
60-57-1	Dieldrin	ND	0.136		0.0220
72-20-8	Endrin	ND	0.136		0.0360
33213-65-9	Endosulfan II	ND	0.136		0.0240
72-54-8	4,4'-DDD	0.0510	0.136		0.0210
7421-93-4	Endrin aldehyde	ND	0.136		0.0290
50-29-3	4,4'-DDT	0.0990	0.136		0.0340
1031-07-8	Endosulfan sulfate	ND	0.136		0.0280
53494-70-5	Endrin ketone	ND	0.136		0.0250
72-43-5	Methoxychlor	ND	0.136		0.0380
8001-35-2	Toxaphene	ND	0.681		0.3962

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	72%
Initial Wt.(gms)	10.20
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B38 0-6	Ext. Batch:	021804
Lab ID:	4011808 10X	Date Extracted:	2/18/2004
Filename:	04330.D	Date Analyzed:	26-Feb-04
Lab Project :	40118	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.118		0.0180
319-85-7	beta-BHC	ND	0.118		0.0190
58-89-9	gamma-BHC	ND	0.118		0.0180
319-86-8	delta-BHC	ND	0.118		0.0210
76-44-8	Heptachlor	ND	0.118		0.0210
309-00-2	Aldrin	ND	0.118		0.0180
1024-57-3	Heptachlor epoxide	ND	0.118		0.0180
5103-74-2	gamma-Chlordane	ND	0.118		0.0170
5103-71-9	alpha-Chlordane	ND	0.118		0.0170
959-98-8	Endosulfan I	ND	0.118		0.0200
72-55-9	4,4'-DDE	0.7100	0.118		0.0190
60-57-1	Dieldrin	ND	0.118		0.0190
72-20-8	Endrin	ND	0.118		0.0320
33213-65-9	Endosulfan II	ND	0.118		0.0210
72-54-8	4,4'-DDD	0.1600	0.118		0.0180
7421-93-4	Endrin aldehyde	ND	0.118		0.0250
50-29-3	4,4'-DDT	0.3900	0.118		0.0300
1031-07-8	Endosulfan sulfate	ND	0.118		0.0240
53494-70-5	Endrin ketone	ND	0.118		0.0220
72-43-5	Methoxychlor	ND	0.118		0.0330
8001-35-2	Toxaphene	ND	0.590		0.3432

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	82%
Initial Wt.(gms)	10.34
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B39 0-6
Lab ID: 4011811 10X
Filename: 04331.D
Lab Project : 40118

Location: 700 Area
MATRIX: Soil
Ext. Batch: 021804
Date Extracted: 2/18/2004
Date Analyzed: 26-Feb-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.114		0.0170
319-85-7	beta-BHC	ND	0.114		0.0190
58-89-9	gamma-BHC	ND	0.114		0.0180
319-86-8	delta-BHC	ND	0.114		0.0200
76-44-8	Heptachlor	ND	0.114		0.0200
309-00-2	Aldrin	ND	0.114		0.0170
1024-57-3	Heptachlor epoxide	ND	0.114		0.0170
5103-74-2	gamma-Chlordane	ND	0.114		0.0160
5103-71-9	alpha-Chlordane	ND	0.114		0.0170
959-98-8	Endosulfan I	ND	0.114		0.0200
72-55-9	4,4'-DDE	2.1000	0.114		0.0180
60-57-1	Dieldrin	ND	0.114		0.0180
72-20-8	Endrin	ND	0.114		0.0300
33213-65-9	Endosulfan II	ND	0.114		0.0200
72-54-8	4,4'-DDD	0.4900	0.114		0.0170
7421-93-4	Endrin aldehyde	ND	0.114		0.0240
50-29-3	4,4'-DDT	1.4000	0.114		0.0290
1031-07-8	Endosulfan sulfate	ND	0.114		0.0240
53494-70-5	Endrin ketone	ND	0.114		0.0210
72-43-5	Methoxychlor	ND	0.114		0.0320
8001-35-2	Toxaphene	ND	0.569		0.3311

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	86%
Initial Wt.(gms)	10.22
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B40 0-6	Ext. Batch:	021804
Lab ID:	4011814 10X	Date Extracted:	2/18/2004
Filename:	04315.D	Date Analyzed:	25-Feb-04
Lab Project :	40118	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.130		0.0200
319-85-7	beta-BHC	ND	0.130		0.0220
58-89-9	gamma-BHC	ND	0.130		0.0200
319-86-8	delta-BHC	ND	0.130		0.0230
76-44-8	Heptachlor	ND	0.130		0.0230
309-00-2	Aldrin	ND	0.130		0.0190
1024-57-3	Heptachlor epoxide	ND	0.130		0.0200
5103-74-2	gamma-Chlordane	ND	0.130		0.0180
5103-71-9	alpha-Chlordane	ND	0.130		0.0190
959-98-8	Endosulfan I	ND	0.130		0.0220
72-55-9	4,4'-DDE	0.4500	0.130		0.0210
60-57-1	Dieldrin	ND	0.130		0.0210
72-20-8	Endrin	ND	0.130		0.0350
33213-65-9	Endosulfan II	ND	0.130		0.0230
72-54-8	4,4'-DDD	0.1600	0.130		0.0200
7421-93-4	Endrin aldehyde	ND	0.130		0.0280
50-29-3	4,4'-DDT	0.4600	0.130		0.0330
1031-07-8	Endosulfan sulfate	ND	0.130		0.0270
53494-70-5	Endrin ketone	ND	0.130		0.0240
72-43-5	Methoxychlor	ND	0.130		0.0360
8001-35-2	Toxaphene	ND	0.652		0.3793

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	75%
Initial Wt.(gms)	10.23
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B41 0-6
Lab ID: 4012108 10X
Filename: 04346.D
Lab Project : 40121

Location: 700 Area
MATRIX: Soil
Ext. Batch: 022504
Date Extracted: 2/25/2004
Date Analyzed: 01-Mar-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.123		0.0190
319-85-7	beta-BHC	ND	0.123		0.0200
58-89-9	gamma-BHC	ND	0.123		0.0190
319-86-8	delta-BHC	ND	0.123		0.0210
76-44-8	Heptachlor	ND	0.123		0.0220
309-00-2	Aldrin	ND	0.123		0.0180
1024-57-3	Heptachlor epoxide	ND	0.123		0.0190
5103-74-2	gamma-Chlordane	ND	0.123		0.0170
5103-71-9	alpha-Chlordane	ND	0.123		0.0180
959-98-8	Endosulfan I	ND	0.123		0.0210
72-55-9	4,4'-DDE	ND	0.123		0.0200
60-57-1	Dieldrin	ND	0.123		0.0190
72-20-8	Endrin	ND	0.123		0.0330
33213-65-9	Endosulfan II	ND	0.123		0.0220
72-54-8	4,4'-DDD	ND	0.123		0.0190
7421-93-4	Endrin aldehyde	ND	0.123		0.0260
50-29-3	4,4'-DDT	ND	0.123		0.0310
1031-07-8	Endosulfan sulfate	ND	0.123		0.0250
53494-70-5	Endrin ketone	ND	0.123		0.0230
72-43-5	Methoxychlor	ND	0.123		0.0340
8001-35-2	Toxaphene	ND	0.613		0.3566

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS 80%
Initial Wt.(gms) 10.20
Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B42 0-6
Lab ID: 4012111 10X
Filename: 04347.D
Lab Project : 40121

Location: 700 Area
MATRIX: Soil
Ext. Batch: 022504
Date Extracted: 2/25/2004
Date Analyzed: 01-Mar-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.119		0.0180
319-85-7	beta-BHC	ND	0.119		0.0200
58-89-9	gamma-BHC	ND	0.119		0.0180
319-86-8	delta-BHC	ND	0.119		0.0210
76-44-8	Heptachlor	ND	0.119		0.0210
309-00-2	Aldrin	ND	0.119		0.0180
1024-57-3	Heptachlor epoxide	ND	0.119		0.0180
5103-74-2	gamma-Chlordane	ND	0.119		0.0170
5103-71-9	alpha-Chlordane	ND	0.119		0.0170
959-98-8	Endosulfan I	ND	0.119		0.0210
72-55-9	4,4'-DDE	0.0240	0.119		0.0190
60-57-1	Dieldrin	ND	0.119		0.0190
72-20-8	Endrin	ND	0.119		0.0320
33213-65-9	Endosulfan II	ND	0.119		0.0210
72-54-8	4,4'-DDD	ND	0.119		0.0180
7421-93-4	Endrin aldehyde	ND	0.119		0.0250
50-29-3	4,4'-DDT	0.0340	0.119		0.0300
1031-07-8	Endosulfan sulfate	ND	0.119		0.0250
53494-70-5	Endrin ketone	ND	0.119		0.0220
72-43-5	Methoxychlor	ND	0.119		0.0330
8001-35-2	Toxaphene	ND	0.597		0.3476

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	82%
Initial Wt.(gms)	10.21
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B43 0-6
Lab ID: 4012114 10X
Filename: 04348.D
Lab Project : 40121

Location: 700 Area
MATRIX: Soil
Ext. Batch: 022504
Date Extracted: 2/25/2004
Date Analyzed: 01-Mar-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.118		0.0180
319-85-7	beta-BHC	ND	0.118		0.0190
58-89-9	gamma-BHC	ND	0.118		0.0180
319-86-8	delta-BHC	ND	0.118		0.0200
76-44-8	Heptachlor	ND	0.118		0.0210
309-00-2	Aldrin	ND	0.118		0.0180
1024-57-3	Heptachlor epoxide	ND	0.118		0.0180
5103-74-2	gamma-Chlordane	ND	0.118		0.0160
5103-71-9	alpha-Chlordane	ND	0.118		0.0170
959-98-8	Endosulfan I	ND	0.118		0.0200
72-55-9	4,4'-DDE	0.0920	0.118		0.0190
60-57-1	Dieldrin	ND	0.118		0.0190
72-20-8	Endrin	ND	0.118		0.0320
33213-65-9	Endosulfan II	ND	0.118		0.0210
72-54-8	4,4'-DDD	0.0200	0.118		0.0180
7421-93-4	Endrin aldehyde	ND	0.118		0.0250
50-29-3	4,4'-DDT	0.0530	0.118		0.0300
1031-07-8	Endosulfan sulfate	ND	0.118		0.0240
53494-70-5	Endrin ketone	ND	0.118		0.0220
72-43-5	Methoxychlor	ND	0.118		0.0330
8001-35-2	Toxaphene	ND	0.588		0.3423

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS 84%
Initial Wt.(gms) 10.12
Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

000449

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173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B44 0-6
Lab ID: 4012117 10X
Filename: 04349.D
Lab Project : 40121

Location: 700 Area
MATRIX: Soil
Ext. Batch: 022504
Date Extracted: 2/25/2004
Date Analyzed: 01-Mar-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.113		0.0170
319-85-7	beta-BHC	ND	0.113		0.0190
58-89-9	gamma-BHC	ND	0.113		0.0170
319-86-8	delta-BHC	ND	0.113		0.0200
76-44-8	Heptachlor	ND	0.113		0.0200
309-00-2	Aldrin	ND	0.113		0.0170
1024-57-3	Heptachlor epoxide	ND	0.113		0.0170
5103-74-2	gamma-Chlordane	0.0200	0.113		0.0160
5103-71-9	alpha-Chlordane	0.0450	0.113		0.0160
959-98-8	Endosulfan I	ND	0.113		0.0190
72-55-9	4,4'-DDE	ND	0.113		0.0180
60-57-1	Dieldrin	ND	0.113		0.0180
72-20-8	Endrin	ND	0.113		0.0300
33213-65-9	Endosulfan II	ND	0.113		0.0200
72-54-8	4,4'-DDD	0.0180	0.113		0.0170
7421-93-4	Endrin aldehyde	ND	0.113		0.0240
50-29-3	4,4'-DDT	0.0550	0.113		0.0280
1031-07-8	Endosulfan sulfate	ND	0.113		0.0230
53494-70-5	Endrin ketone	ND	0.113		0.0210
72-43-5	Methoxychlor	ND	0.113		0.0310
8001-35-2	Toxaphene	ND	0.563		0.3274

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS 88%
Initial Wt.(gms) 10.10
Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B45 0-6	Ext. Batch:	022504
Lab ID:	4012120 10X	Date Extracted:	2/25/2004
Filename:	04350.D	Date Analyzed:	01-Mar-04
Lab Project :	40121	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.120		0.0180
319-85-7	beta-BHC	ND	0.120		0.0200
58-89-9	gamma-BHC	ND	0.120		0.0180
319-86-8	delta-BHC	ND	0.120		0.0210
76-44-8	Heptachlor	ND	0.120		0.0210
309-00-2	Aldrin	ND	0.120		0.0180
1024-57-3	Heptachlor epoxide	ND	0.120		0.0180
5103-74-2	gamma-Chlordane	ND	0.120		0.0170
5103-71-9	alpha-Chlordane	ND	0.120		0.0180
959-98-8	Endosulfan I	ND	0.120		0.0210
72-55-9	4,4'-DDE	ND	0.120		0.0190
60-57-1	Dieldrin	ND	0.120		0.0190
72-20-8	Endrin	ND	0.120		0.0320
33213-65-9	Endosulfan II	ND	0.120		0.0210
72-54-8	4,4'-DDD	ND	0.120		0.0180
7421-93-4	Endrin aldehyde	ND	0.120		0.0260
50-29-3	4,4'-DDT	0.0340	0.120		0.0300
1031-07-8	Endosulfan sulfate	ND	0.120		0.0250
53494-70-5	Endrin ketone	ND	0.120		0.0220
72-43-5	Methoxychlor	ND	0.120		0.0330
8001-35-2	Toxaphene	ND	0.600		0.3495

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	81%
Initial Wt.(gms)	10.28
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B46 0-6
Lab ID: 4012502 10X
Filename: 04337.D
Lab Project : 40125

Location: 700 Area
MATRIX: Soil
Ext. Batch: 022504
Date Extracted: 2/25/2004
Date Analyzed: 27-Feb-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.119		0.0180
319-85-7	beta-BHC	ND	0.119		0.0200
58-89-9	gamma-BHC	ND	0.119		0.0180
319-86-8	delta-BHC	ND	0.119		0.0210
76-44-8	Heptachlor	ND	0.119		0.0210
309-00-2	Aldrin	ND	0.119		0.0180
1024-57-3	Heptachlor epoxide	ND	0.119		0.0180
5103-74-2	gamma-Chlordane	ND	0.119		0.0170
5103-71-9	alpha-Chlordane	ND	0.119		0.0170
959-98-8	Endosulfan I	ND	0.119		0.0200
72-55-9	4,4'-DDE	0.6600	0.119		0.0190
60-57-1	Dieldrin	ND	0.119		0.0190
72-20-8	Endrin	ND	0.119		0.0320
33213-65-9	Endosulfan II	ND	0.119		0.0210
72-54-8	4,4'-DDD	0.2200	0.119		0.0180
7421-93-4	Endrin aldehyde	ND	0.119		0.0250
50-29-3	4,4'-DDT	0.5900	0.119		0.0300
1031-07-8	Endosulfan sulfate	ND	0.119		0.0250
53494-70-5	Endrin ketone	ND	0.119		0.0220
72-43-5	Methoxychlor	ND	0.119		0.0330
8001-35-2	Toxaphene	ND	0.595		0.3466

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	82%
Initial Wt.(gms)	10.24
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

000452

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B47 0-6
Lab ID: 4012505 10X
Filename: 04338.D
Lab Project : 40125

Location: 700 Area
MATRIX: Soil
Ext. Batch: 022504
Date Extracted: 2/25/2004
Date Analyzed: 27-Feb-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.128		0.0200
319-85-7	beta-BHC	ND	0.128		0.0210
58-89-9	gamma-BHC	ND	0.128		0.0200
319-86-8	delta-BHC	ND	0.128		0.0220
76-44-8	Heptachlor	ND	0.128		0.0230
309-00-2	Aldrin	ND	0.128		0.0190
1024-57-3	Heptachlor epoxide	ND	0.128		0.0190
5103-74-2	gamma-Chlordane	ND	0.128		0.0180
5103-71-9	alpha-Chlordane	ND	0.128		0.0190
959-98-8	Endosulfan I	ND	0.128		0.0220
72-55-9	4,4'-DDE	0.0550	0.128		0.0210
60-57-1	Dieldrin	ND	0.128		0.0200
72-20-8	Endrin	ND	0.128		0.0340
33213-65-9	Endosulfan II	ND	0.128		0.0230
72-54-8	4,4'-DDD	0.0200	0.128		0.0190
7421-93-4	Endrin aldehyde	ND	0.128		0.0270
50-29-3	4,4'-DDT	ND	0.128		0.0320
1031-07-8	Endosulfan sulfate	ND	0.128		0.0260
53494-70-5	Endrin ketone	ND	0.128		0.0240
72-43-5	Methoxychlor	ND	0.128		0.0350
8001-35-2	Toxaphene	ND	0.639		0.3720

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS 77%
Initial Wt.(gms) 10.16
Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B48 0-6	Ext. Batch:	022504
Lab ID:	4012508 10X	Date Extracted:	2/25/2004
Filename:	04339.D	Date Analyzed:	27-Feb-04
Lab Project :	40125	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.115		0.0180
319-85-7	beta-BHC	ND	0.115		0.0190
58-89-9	gamma-BHC	ND	0.115		0.0180
319-86-8	delta-BHC	ND	0.115		0.0200
76-44-8	Heptachlor	ND	0.115		0.0200
309-00-2	Aldrin	ND	0.115		0.0170
1024-57-3	Heptachlor epoxide	ND	0.115		0.0170
5103-74-2	gamma-Chlordane	ND	0.115		0.0160
5103-71-9	alpha-Chlordane	ND	0.115		0.0170
959-98-8	Endosulfan I	ND	0.115		0.0200
72-55-9	4,4'-DDE	ND	0.115		0.0190
60-57-1	Dieldrin	ND	0.115		0.0180
72-20-8	Endrin	ND	0.115		0.0310
33213-65-9	Endosulfan II	ND	0.115		0.0210
72-54-8	4,4'-DDD	ND	0.115		0.0170
7421-93-4	Endrin aldehyde	ND	0.115		0.0240
50-29-3	4,4'-DDT	ND	0.115		0.0290
1031-07-8	Endosulfan sulfate	ND	0.115		0.0240
53494-70-5	Endrin ketone	ND	0.115		0.0210
72-43-5	Methoxychlor	ND	0.115		0.0320
8001-35-2	Toxaphene	ND	0.575		0.3347

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	85%
Initial Wt.(gms)	10.23
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	700 Area
Project Name:	700 Area	MATRIX:	Soil
Field ID:	B49 0-6	Ext. Batch:	022504
Lab ID:	4012511 10X	Date Extracted:	2/25/2004
Filename:	04340.D	Date Analyzed:	27-Feb-04
Lab Project :	40125	Dilution:	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.131		0.0200
319-85-7	beta-BHC	ND	0.131		0.0220
58-89-9	gamma-BHC	ND	0.131		0.0200
319-86-8	delta-BHC	ND	0.131		0.0230
76-44-8	Heptachlor	ND	0.131		0.0230
309-00-2	Aldrin	ND	0.131		0.0200
1024-57-3	Heptachlor epoxide	ND	0.131		0.0200
5103-74-2	gamma-Chlordane	ND	0.131		0.0180
5103-71-9	alpha-Chlordane	0.0620	0.131		0.0190
959-98-8	Endosulfan I	ND	0.131		0.0230
72-55-9	4,4'-DDE	0.0430	0.131		0.0210
60-57-1	Dieldrin	ND	0.131		0.0210
72-20-8	Endrin	ND	0.131		0.0350
33213-65-9	Endosulfan II	ND	0.131		0.0230
72-54-8	4,4'-DDD	0.0240	0.131		0.0200
7421-93-4	Endrin aldehyde	ND	0.131		0.0280
50-29-3	4,4'-DDT	0.0580	0.131		0.0330
1031-07-8	Endosulfan sulfate	ND	0.131		0.0270
53494-70-5	Endrin ketone	ND	0.131		0.0240
72-43-5	Methoxychlor	ND	0.131		0.0360
8001-35-2	Toxaphene	ND	0.655		0.3814

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	76%
Initial Wt.(gms)	10.04
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

PCBs

TABULATED ANALYTICAL REPORT
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

mb 020604-01

MATRIX: Soil
Date Extracted: 2/6/2004
Ext. Batch: 020604
Filename: PCB00526.D
Date Analyzed: 2/9/2004

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	MDL (mg/Kg)
12674-11-2	Aroclor 1016	ND	0.0112
11104-28-2	Aroclor 1221	ND	0.0206
12672-29-6	Aroclor 1248	ND	0.0140
53469-21-9	Aroclor 1242	ND	0.0160
11141-16-5	Aroclor 1232	ND	0.0064
11097-69-1	Aroclor 1254	ND	0.0040
11096-82-5	Aroclor 1260	ND	0.0036

MDL - Method Detection Limit
ND = Not detected at or above MDL

Initial Wt.(gms) 10
Final Vol.(ml) 10

COMMENTS:

000457

TABULATED ANALYTICAL REPORT
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

mb 021204-01

MATRIX: Soil
Date Extracted: 2/12/2004
Ext. Batch: 021204
Filename: PC00561A.D
Date Analyzed: 2/12/2004

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	MDL (mg/Kg)
12674-11-2	Aroclor 1016	ND	0.0112
11104-28-2	Aroclor 1221	ND	0.0206
12672-29-6	Aroclor 1248	ND	0.0140
53469-21-9	Aroclor 1242	ND	0.0160
11141-16-5	Aroclor 1232	ND	0.0064
11097-69-1	Aroclor 1254	ND	0.0040
11096-82-5	Aroclor 1260	ND	0.0036

MDL - Method Detection Limit
ND = Not detected at or above MDL

Initial Wt.(gms) 10
Final Vol.(ml) 10

COMMENTS:

000458

TABULATED ANALYTICAL REPORT
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

mb 021304-02

MATRIX: Soil
Date Extracted: 2/13/2004
Ext. Batch: 021304
Filename: PC00583A.D
Date Analyzed: 2/13/2004

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	MDL (mg/Kg)
12674-11-2	Aroclor 1016	ND	0.0112
11104-28-2	Aroclor 1221	ND	0.0206
12672-29-6	Aroclor 1248	ND	0.0140
53469-21-9	Aroclor 1242	ND	0.0160
11141-16-5	Aroclor 1232	ND	0.0064
11097-69-1	Aroclor 1254	ND	0.0040
11096-82-5	Aroclor 1260	ND	0.0036

MDL - Method Detection Limit
ND = Not detected at or above MDL

Initial Wt.(gms) 10
Final Vol.(ml) 10

COMMENTS:

000459

TABULATED ANALYTICAL REPORT
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

mb 021804-01

MATRIX: Soil
Date Extracted: 2/18/2004
Ext. Batch: 021804
Filename: PC00613A.D
Date Analyzed: 2/18/2004

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	MDL (mg/Kg)
12674-11-2	Aroclor 1016	ND	0.0112
11104-28-2	Aroclor 1221	ND	0.0206
12672-29-6	Aroclor 1248	ND	0.0140
53469-21-9	Aroclor 1242	ND	0.0160
11141-16-5	Aroclor 1232	ND	0.0064
11097-69-1	Aroclor 1254	ND	0.0040
11096-82-5	Aroclor 1260	ND	0.0036

MDL - Method Detection Limit
ND = Not detected at or above MDL

Initial Wt.(gms) 10
Final Vol.(ml) 10

COMMENTS:

TABULATED ANALYTICAL REPORT
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

mb 022504-01

MATRIX: Soil
Date Extracted: 2/25/2004
Ext. Batch: 022504
Filename: PC00656.D
Date Analyzed: 2/25/2004
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	MDL (mg/Kg)
12674-11-2	Aroclor 1016	ND	0.0112
11104-28-2	Aroclor 1221	ND	0.0206
12672-29-6	Aroclor 1248	ND	0.0140
53469-21-9	Aroclor 1242	ND	0.0160
11141-16-5	Aroclor 1232	ND	0.0064
11097-69-1	Aroclor 1254	ND	0.0040
11096-82-5	Aroclor 1260	ND	0.0036

MDL - Method Detection Limit
ND = Not detected at or above MDL

Initial Wt.(gms) **10**
Final Vol.(ml) **10**

COMMENTS:

000461

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/6/2004
Lot #.	700 Area	Ext. Batch:	020604
Client ID:	BI 0-6	Date Analyzed:	2/9/2004
Lab ID:	4009602	DILUTION:	1
Filename:	PCB00528.D		
Lab Project No:	40096	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0129
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0237
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0161
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0184
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0074
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0046
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0041

%SOLIDS 86%
Initial Wt.(gms) 10.09
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/6/2004
Lot #.	700 Area	Ext. Batch:	020604
Client ID:	Dupe 0-6	Date Analyzed:	2/9/2004
Lab ID:	4009605	DILUTION:	1
Filename:	PCB00529.D		
Lab Project No:	40096	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0125
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0230
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0156
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0179
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0071
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0045
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0040

%SOLIDS	87%
Initial Wt.(gms)	10.30
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/6/2004
Lot #.	700 Area	Ext. Batch:	020604
Client ID:	B2 0-6	Date Analyzed:	2/9/2004
Lab ID:	4009608	DILUTION:	1
Filename:	PCB00530.D		
Lab Project No:	40096	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0145
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0267
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0182
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0208
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0083
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0052
11096-82-5	AROCLOR 1260	0.043	0.05	0.49		0.0047

%SOLIDS	76%
Initial Wt.(gms)	10.14
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

000464

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: 700 Area
Lot #. 700 Area
Client ID: B3 0-6
Lab ID: 4009611
Filename: PCB00531.D
Lab Project No: 40096

MATRIX: Soil
Date Extracted: 2/6/2004
Ext. Batch: 020604
Date Analyzed: 2/9/2004
DILUTION: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0128
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0236
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0160
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0183
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0073
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0046
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0041

%SOLIDS 86%
Initial Wt.(gms) 10.17
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

000465

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	**U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.**	**MATRIX:**	**Soil**
Location:	**700 Area**	**Date Extracted:**	**2/6/2004**
Lot #.	**700 Area**	**Ext. Batch:**	**020604**
Client ID:	**B4 0-6**	**Date Analyzed:**	**2/9/2004**
Lab ID:	**4009614**	**DILUTION:**	**1**
Filename:	**PCB00532.D**		
Lab Project No:	**40096**	**Analyst:**	**A.A.**

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	**AROCLOR 1016**	**ND**	0.05	0.49		0.0197
11104-28-2	**AROCLOR 1221**	**ND**	0.05	0.49		0.0362
11141-16-5	**AROCLOR 1232**	**ND**	0.05	0.49		0.0246
53469-21-9	**AROCLOR 1242**	**ND**	0.05	0.49		0.0281
12672-29-6	**AROCLOR 1248**	**ND**	0.05	0.49		0.0112
11097-69-1	**AROCLOR 1254**	**ND**	0.05	0.49		0.0070
11096-82-5	**AROCLOR 1260**	**ND**	0.05	0.49		0.0063

%SOLIDS **56%**
Initial Wt.(gms) **10.17**
Final Vol.(ml) **10.00**

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/6/2004
Lot #.	700 Area	Ext. Batch:	020604
Client ID:	B5 0-6	Date Analyzed:	2/9/2004
Lab ID:	4009617	DILUTION:	1
Filename:	PCB00533.D		
Lab Project No:	40096	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0143
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0263
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0178
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0204
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0082
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0051
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0046

%SOLIDS	78%
Initial Wt.(gms)	10.06
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	**MATRIX:**	Soil
Location:	700 Area	**Date Extracted:**	2/12/2004
Lot #.	700 Area	**Ext. Batch:**	021204
Client ID:	B6 0-6	**Date Analyzed:**	2/12/2004
Lab ID:	4010902	**DILUTION:**	1
Filename:	PC00563A.D		
Lab Project No:	40109	**Analyst:**	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0156
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0287
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0195
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0223
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0089
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0056
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0050

%SOLIDS 71%
Initial Wt.(gms) 10.12
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/12/2004
Lot #.	700 Area	Ext. Batch:	021204
Client ID:	B7 0-6	Date Analyzed:	2/12/2004
Lab ID:	4010905	DILUTION:	1
Filename:	PC00564A.D		
Lab Project No:	40109	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0137
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0252
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0171
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0196
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0078
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0049
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0044

%SOLIDS	80%
Initial Wt.(gms)	10.23
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

000469

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/12/2004
Lot #.	700 Area	Ext. Batch:	021204
Client ID:	B8 0-6	Date Analyzed:	2/12/2004
Lab ID:	4010908	DILUTION:	1
Filename:	PC00565A.D		
Lab Project No:	40109	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0176
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0324
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0220
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0252
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0101
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0063
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0057

%SOLIDS 63%
Initial Wt.(gms) 10.09
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

000470

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	**U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.**	**MATRIX:**	**Soil**
Location:	**700 Area**	**Date Extracted:**	**2/12/2004**
Lot #.	**700 Area**	**Ext. Batch:**	**021204**
Client ID:	**B9 0-6**	**Date Analyzed:**	**2/12/2004**
Lab ID:	**4010911**	**DILUTION:**	**1**
Filename:	**PC00566A.D**		
Lab Project No:	**40109**	**Analyst:**	**A.A.**

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0126
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0231
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0157
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0179
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0072
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0045
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0040

%SOLIDS **88%**
Initial Wt.(gms) **10.14**
Final Vol.(ml) **10.00**

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: 700 Area
Lot #. 700 Area
Client ID: B10 0-6
Lab ID: 4010914
Filename: PC00567A.D
Lab Project No: 40109

MATRIX: Soil
Date Extracted: 2/12/2004
Ext. Batch: 021204
Date Analyzed: 2/12/2004
DILUTION: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0157
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0288
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0196
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0224
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0090
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0056
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0050

%SOLIDS 71%
Initial Wt.(gms) 10.06
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: 700 Area
Lot #. 700 Ar4ea
Client ID: B11 0-6
Lab ID: 4012102
Filename: PC00658.D
Lab Project No: 40121

MATRIX: Soil
Date Extracted: 2/25/2004
Ext. Batch: 022504
Date Analyzed: 2/25/2004
DILUTION: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0134
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0247
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0168
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0191
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0077
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0048
11096-82-5	AROCLOR 1260	0.036	0.05	0.49		0.0043

%SOLIDS 82%
Initial Wt.(gms) 10.19
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/25/2004
Lot #.	700 Ar4ea	Ext. Batch:	022504
Client ID:	Dupe	Date Analyzed:	2/25/2004
Lab ID:	4012105	DILUTION:	1
Filename:	PC00659.D		
Lab Project No:	40121	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0145
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0266
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0181
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0207
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0083
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0052
11096-82-5	AROCLOR 1260	0.026	0.05	0.49		0.0047

%SOLIDS	77%
Initial Wt.(gms)	10.04
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	**U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.**	**MATRIX:**	**Soil**
Location:	**700 Area**	**Date Extracted:**	**2/12/2004**
Lot #.	**700 Area**	**Ext. Batch:**	**021204**
Client ID:	**B12 0-6**	**Date Analyzed:**	**2/12/2004**
Lab ID:	**4010917**	**DILUTION:**	**1**
Filename:	**PC00568A.D**		
Lab Project No:	**40109**	**Analyst:**	**A.A.**

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0173
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0318
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0216
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0247
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0099
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0062
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0056

%SOLIDS 64%
Initial Wt.(gms) 10.11
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: 700 Area
Lot #. 700 Area
Client ID: B13 ~~B113~~ 0-6
Lab ID: 4010920
Filename: PC00569A.D
Lab Project No: 40109

MATRIX: Soil
Date Extracted: 2/12/2004
Ext. Batch: 021204
Date Analyzed: 2/12/2004
DILUTION: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0139
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0256
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0174
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0199
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0080
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0050
11096-82-5	AROCLOR 1260	0.036	0.05	0.49		0.0045

%SOLIDS 79%
Initial Wt.(gms) 10.17
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

000476

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/12/2004
Lot #.	700 Area	Ext. Batch:	021204
Client ID:	B14 0-6	Date Analyzed:	2/12/2004
Lab ID:	4011202	DILUTION:	1
Filename:	PC00570A.D		
Lab Project No:	40112	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0130
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0240
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0163
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0186
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0075
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0047
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0042

%SOLIDS 85%
Initial Wt.(gms) 10.10
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

000477

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/12/2004
Lot #.	700 Area	Ext. Batch:	021204
Client ID:	B15 0-6	Date Analyzed:	2/12/2004
Lab ID:	4011205	DILUTION:	1
Filename:	PC00571A.D		
Lab Project No:	40112	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0136
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0249
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0169
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0194
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0077
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0048
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0044

%SOLIDS	81%
Initial Wt.(gms)	10.20
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

000478

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/12/2004
Lot #.	700 Area	Ext. Batch:	021204
Client ID:	B16 0-6	Date Analyzed:	2/12/2004
Lab ID:	4011208	DILUTION:	1
Filename:	PC00572A.D		
Lab Project No:	40112	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0147
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0270
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0183
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0209
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0084
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0052
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0047

%SOLIDS	76%
Initial Wt.(gms)	10.05
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/12/2004
Lot #.	700 Area	Ext. Batch:	021204
Client ID:	B17 0-6	Date Analyzed:	2/12/2004
Lab ID:	4011211	DILUTION:	1
Filename:	PC00573A.D		
Lab Project No:	40112	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0140
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0257
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0175
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0200
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0080
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0050
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0045

%SOLIDS	78%
Initial Wt.(gms)	10.26
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/12/2004
Lot #.	700 Area	Ext. Batch:	021204
Client ID:	B18 0-6	Date Analyzed:	2/12/2004
Lab ID:	4011214	DILUTION:	1
Filename:	PC00574A.D		
Lab Project No:	40112	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0137
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0252
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0171
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0195
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0078
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0049
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0044

%SOLIDS 81%
Initial Wt.(gms) 10.11
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/12/2004
Lot #.	700 Area	Ext. Batch:	021204
Client ID:	B19 0-6	Date Analyzed:	2/12/2004
Lab ID:	4011217	DILUTION:	1
Filename:	PC00575A.D		
Lab Project No:	40112	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0139
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0256
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0174
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0199
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0080
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0050
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0045

%SOLIDS	80%
Initial Wt.(gms)	10.04
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/12/2004
Lot #.	700 Area	Ext. Batch:	021204
Client ID:	B20 0-6	Date Analyzed:	2/12/2004
Lab ID:	4011220	DILUTION:	1
Filename:	PC00576A.D		
Lab Project No:	40112	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0162
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0298
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0202
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0231
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0093
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0058
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0052

%SOLIDS 69%
Initial Wt.(gms) 10.02
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/13/2004
Lot #.	700 Area	Ext. Batch:	021304
Client ID:	B21 0-6	Date Analyzed:	2/13/2004
Lab ID:	4011502	DILUTION:	1
Filename:	PC00597A.D		
Lab Project No:	40115	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0123
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0226
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0154
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0176
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0070
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0044
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0040

%SOLIDS 91%
Initial Wt.(gms) 10.01
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/13/2004
Lot #.	700 Area	Ext. Batch:	021304
Client ID:	Dupe	Date Analyzed:	2/13/2004
Lab ID:	4011505	DILUTION:	1
Filename:	PC00598A.D		
Lab Project No:	40115	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0141
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0259
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0176
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0201
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0080
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0050
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0045

%SOLIDS	79%
Initial Wt.(gms)	10.07
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/13/2004
Lot #.	700 Area	Ext. Batch:	021304
Client ID:	B22 0-6	Date Analyzed:	2/13/2004
Lab ID:	4011508	DILUTION:	1
Filename:	PC00599A.D		
Lab Project No:	40115	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0145
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0267
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0182
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0208
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0083
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0052
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0047

%SOLIDS	77%
Initial Wt.(gms)	10.01
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/13/2004
Lot #.	700 Area	Ext. Batch:	021304
Client ID:	B23 0-6	Date Analyzed:	2/13/2004
Lab ID:	4011511	DILUTION:	1
Filename:	PC00600A.D		
Lab Project No:	40115	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0141
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0259
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0176
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0201
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0081
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0050
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0045

%SOLIDS	78%
Initial Wt.(gms)	10.19
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/13/2004
Lot #.	700 Area	Ext. Batch:	021304
Client ID:	B24 0-6	Date Analyzed:	2/13/2004
Lab ID:	4011514	DILUTION:	1
Filename:	PC00601A.D		
Lab Project No:	40115	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0144
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0264
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0179
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0205
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0082
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0051
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0046

%SOLIDS	77%
Initial Wt.(gms)	10.13
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/13/2004
Lot #.	700 Area	Ext. Batch:	021304
Client ID:	B25 0-6	Date Analyzed:	2/13/2004
Lab ID:	4011517	DILUTION:	1
Filename:	PC00602A.D		
Lab Project No:	40115	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0136
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0250
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0170
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0194
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0078
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0049
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0044

%SOLIDS 81%
Initial Wt.(gms) 10.18
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/13/2004
Lot #.	700 Area	Ext. Batch:	021304
Client ID:	B26 0-6	Date Analyzed:	2/13/2004
Lab ID:	4011520	DILUTION:	1
Filename:	PC00603A.D		
Lab Project No:	40115	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0147
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0271
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0184
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0211
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0084
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0053
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0047

%SOLIDS 76%
Initial Wt.(gms) 10.00
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/18/2004
Lot #.	700 Area	Ext. Batch:	021804
Client ID:	B27 0-6	Date Analyzed:	2/18/2004
Lab ID:	4011702	DILUTION:	1
Filename:	PC00615A.D		
Lab Project No:	40117	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0184
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0339
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0231
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0264
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0105
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0066
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0059

%SOLIDS	60%
Initial Wt.(gms)	10.12
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/18/2004
Lot #.	700 Area	Ext. Batch:	021804
Client ID:	B28 0-6	Date Analyzed:	2/18/2004
Lab ID:	4011705	DILUTION:	1
Filename:	PC00616A.D		
Lab Project No:	40117	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0145
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0268
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0182
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0208
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0083
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0052
11096-82-5	AROCLOR 1260	0.110	0.05	0.49		0.0047

%SOLIDS	76%
Initial Wt.(gms)	10.13
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/18/2004
Lot #.	700 Area	Ext. Batch:	021804
Client ID:	B29 0-6	Date Analyzed:	2/18/2004
Lab ID:	4011708	DILUTION:	1
Filename:	PC00617A.D		
Lab Project No:	40117	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0156
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0287
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0195
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0223
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0089
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0056
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0050

%SOLIDS	71%
Initial Wt.(gms)	10.12
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: 700 Area
Lot #. 700 Area
Client ID: B30 0-6
Lab ID: 4011711
Filename: PC00618A.D
Lab Project No: 40117

MATRIX: Soil
Date Extracted: 2/18/2004
Ext. Batch: 021804
Date Analyzed: 2/18/2004
DILUTION: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0150
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0276
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0188
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0215
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0086
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0054
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0048

%SOLIDS 74%
Initial Wt.(gms) 10.07
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: 700 Area
Lot #. 700 Area
Client ID: B31 0-6
Lab ID: 4011714
Filename: PC00619A.D
Lab Project No: 40117

MATRIX: Soil
Date Extracted: 2/18/2004
Ext. Batch: 021804
Date Analyzed: 2/18/2004
DILUTION: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0146
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0268
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0182
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0208
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0083
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0052
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0047

%SOLIDS 76%
Initial Wt.(gms) 10.11
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

000495

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	**U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.**	**MATRIX:**	**Soil**
Location:	**700 Area**	**Date Extracted:**	**2/18/2004**
Lot #.	**700 Area**	**Ext. Batch:**	**021804**
Client ID:	**B32 0-6**	**Date Analyzed:**	**2/18/2004**
Lab ID:	**4011717**	**DILUTION:**	**1**
Filename:	**PC00620A.D**		
Lab Project No:	**40117**	**Analyst:**	**A.A.**

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	**AROCLOR 1016**	**ND**	0.05	0.49		0.0150
11104-28-2	**AROCLOR 1221**	**ND**	0.05	0.49		0.0277
11141-16-5	**AROCLOR 1232**	**ND**	0.05	0.49		0.0188
53469-21-9	**AROCLOR 1242**	**ND**	0.05	0.49		0.0215
12672-29-6	**AROCLOR 1248**	**ND**	0.05	0.49		0.0086
11097-69-1	**AROCLOR 1254**	**ND**	0.05	0.49		0.0054
11096-82-5	**AROCLOR 1260**	**ND**	0.05	0.49		0.0048

%SOLIDS **74%**
Initial Wt.(gms) **10.06**
Final Vol.(ml) **10.00**

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/18/2004
Lot #.	700 Area	Ext. Batch:	021804
Client ID:	B33 0-6	Date Analyzed:	2/18/2004
Lab ID:	4011720	DILUTION:	1
Filename:	PC00621A.D		
Lab Project No:	40117	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0143
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0263
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0179
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0205
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0082
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0051
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0046

%SOLIDS 77%
Initial Wt.(gms) 10.16
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/18/2004
Lot #.	700 Area	Ext. Batch:	021804
Client ID:	B34 0-6	Date Analyzed:	2/18/2004
Lab ID:	4011723	DILUTION:	1
Filename:	PC00622A.D		
Lab Project No:	40117	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0153
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0281
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0191
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0218
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0087
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0055
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0049

%SOLIDS	73%
Initial Wt.(gms)	10.04
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/18/2004
Lot #.	700 Area	Ext. Batch:	021804
Client ID:	B35 0-6	Date Analyzed:	2/18/2004
Lab ID:	4011726	DILUTION:	1
Filename:	PC00623A.D		
Lab Project No:	40117	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0132
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0243
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0165
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0189
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0075
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0047
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0042

%SOLIDS	84%
Initial Wt.(gms)	10.10
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/18/2004
Lot #.	700 Area	Ext. Batch:	021804
Client ID:	B36 0-6	Date Analyzed:	2/18/2004
Lab ID:	4011802	DILUTION:	1
Filename:	PC00624A.D		
Lab Project No:	40118	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0134
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0246
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0167
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0191
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0076
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0048
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0043

%SOLIDS	82%
Initial Wt.(gms)	10.21
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/18/2004
Lot #.	700 Area	Ext. Batch:	021804
Client ID:	B37 0-6	Date Analyzed:	2/18/2004
Lab ID:	4011805	DILUTION:	1
Filename:	PC00625A.D		
Lab Project No:	40118	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0153
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0281
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0191
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0218
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0087
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0054
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0049

%SOLIDS	72%
Initial Wt.(gms)	10.20
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/18/2004
Lot #.	700 Area	Ext. Batch:	021804
Client ID:	B38 0-6	Date Analyzed:	2/18/2004
Lab ID:	4011808	DILUTION:	1
Filename:	PC00626A.D		
Lab Project No:	40118	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0132
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0243
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0165
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0189
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0075
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0047
11096-82-5	AROCLOR 1260	0.098	0.05	0.49		0.0042

%SOLIDS	82%
Initial Wt.(gms)	10.34
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/18/2004
Lot #.	700 Area	Ext. Batch:	021804
Client ID:	B39 0-6	Date Analyzed:	2/18/2004
Lab ID:	4011811	DILUTION:	1
Filename:	PC00627A.D		
Lab Project No:	40118	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0127
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0234
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0159
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0182
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0073
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0046
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0041

%SOLIDS 86%
Initial Wt.(gms) 10.22
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/18/2004
Lot #.	700 Area	Ext. Batch:	021804
Client ID:	B40 0-6	Date Analyzed:	2/18/2004
Lab ID:	4011814	DILUTION:	1
Filename:	PC00628A.D		
Lab Project No:	40118	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0146
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0268
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0182
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0209
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0083
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0052
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0047

%SOLIDS 75%
Initial Wt.(gms) 10.23
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/25/2004
Lot #.	700 Ar4ea	Ext. Batch:	022504
Client ID:	B41 0-6	Date Analyzed:	2/25/2004
Lab ID:	4012108	DILUTION:	1
Filename:	PC00660.D		
Lab Project No:	40121	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0137
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0252
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0172
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0196
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0078
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0049
11096-82-5	AROCLOR 1260	0.047	0.05	0.49		0.0044

%SOLIDS	80%
Initial Wt.(gms)	10.20
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/25/2004
Lot #.	700 Ar4ea	Ext. Batch:	022504
Client ID:	B42 0-6	Date Analyzed:	2/25/2004
Lab ID:	4012111	DILUTION:	1
Filename:	PC00661.D		
Lab Project No:	40121	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0134
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0246
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0167
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0191
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0076
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0048
11096-82-5	AROCLOR 1260	0.034	0.05	0.49		0.0043

%SOLIDS 82%
Initial Wt.(gms) 10.21
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/25/2004
Lot #.	700 Ar4ea	Ext. Batch:	022504
Client ID:	B43 0-6	Date Analyzed:	2/25/2004
Lab ID:	4012114	DILUTION:	1
Filename:	PC00662.D		
Lab Project No:	40121	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0132
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0242
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0165
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0188
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0075
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0047
11096-82-5	AROCLOR 1260	0.073	0.05	0.49		0.0042

%SOLIDS	84%
Initial Wt.(gms)	10.12
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	**MATRIX:**	Soil
Location:	700 Area	**Date Extracted:**	2/25/2004
Lot #.	700 Ar4ea	**Ext. Batch:**	022504
Client ID:	B44 0-6	**Date Analyzed:**	2/25/2004
Lab ID:	4012117	**DILUTION:**	1
Filename:	PC00663.D		
Lab Project No:	40121	**Analyst:**	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0126
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0232
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0158
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0180
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0072
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0045
11096-82-5	AROCLOR 1260	0.250	0.05	0.49		0.0041

%SOLIDS 88%
Initial Wt.(gms) 10.10
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/25/2004
Lot #.	700 Ar4ca	Ext. Batch:	022504
Client ID:	B45 0-6	Date Analyzed:	2/25/2004
Lab ID:	4012120	DILUTION:	1
Filename:	PC00664.D		
Lab Project No:	40121	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0135
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0247
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0168
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0192
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0077
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0048
11096-82-5	AROCLOR 1260	0.120	0.05	0.49		0.0043

%SOLIDS	81%
Initial Wt.(gms)	10.28
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: 700 Area
Lot #. 700 Area
Client ID: B46 0-6
Lab ID: 4012502
Filename: PC00665.D
Lab Project No: 40125

MATRIX: Soil
Date Extracted: 2/25/2004
Ext. Batch: 022504
Date Analyzed: 2/25/2004
DILUTION: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0133
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0245
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0167
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0191
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0076
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0048
11096-82-5	AROCLOR 1260	0.680	0.05	0.49		0.0043

%SOLIDS 82%
Initial Wt.(gms) 10.24
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/25/2004
Lot #.	700 Area	Ext. Batch:	022504
Client ID:	B47 0-6	Date Analyzed:	2/25/2004
Lab ID:	4012505	DILUTION:	1
Filename:	PC00666.D		
Lab Project No:	40125	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0143
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0263
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0179
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0205
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0082
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0051
11096-82-5	AROCLOR 1260	0.021	0.05	0.49		0.0046

%SOLIDS	77%
Initial Wt.(gms)	10.16
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: 700 Area
Lot #. 700 Area
Client ID: B48 0-6
Lab ID: 4012508
Filename: PC00667.D
Lab Project No: 40125

MATRIX: Soil
Date Extracted: 2/25/2004
Ext. Batch: 022504
Date Analyzed: 2/25/2004
DILUTION: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0129
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0237
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0161
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0184
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0074
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0046
11096-82-5	AROCLOR 1260	ND	0.05	0.49		0.0041

%SOLIDS 85%
Initial Wt.(gms) 10.23
Final Vol.(ml) 10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client:	U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.	MATRIX:	Soil
Location:	700 Area	Date Extracted:	2/25/2004
Lot #.	700 Area	Ext. Batch:	022504
Client ID:	B49 0-6	Date Analyzed:	2/25/2004
Lab ID:	4012511	DILUTION:	1
Filename:	PC00668.D		
Lab Project No:	40125	Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	*Reporting Limit (mg/Kg)	Cleanup Criteria (mg/Kg)	QUALIFIER	MDL (mg/Kg)
12674-11-2	AROCLOR 1016	ND	0.05	0.49		0.0147
11104-28-2	AROCLOR 1221	ND	0.05	0.49		0.0270
11141-16-5	AROCLOR 1232	ND	0.05	0.49		0.0183
53469-21-9	AROCLOR 1242	ND	0.05	0.49		0.0210
12672-29-6	AROCLOR 1248	ND	0.05	0.49		0.0084
11097-69-1	AROCLOR 1254	ND	0.05	0.49		0.0052
11096-82-5	AROCLOR 1260	0.450	0.05	0.49		0.0047

%SOLIDS	76%
Initial Wt.(gms)	10.04
Final Vol.(ml)	10.00

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

TPHC

Report of Analysis
U.S.Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Project # :**	40096
	DPW. SELFM-PW-EV	**Location :**	700
	Bldg. 173	**UST Reg. # :**	
	Ft. Monmouth, NJ 07703		

Analysis :	OQA-QAM-025	**Date Received :**	03-Feb-04
Matrix :	Soil	**Date Extracted :**	05-Feb-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Shake
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	12-Feb-04
Injection Volume :	1uL	**Analyst :**	Bpatel

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
4009602	B1 0-6"	1.00	15.00	86.14	175	326.98
4009604	B1 18-24"	1.00	15.23	85.89	173	231.69
4009605	Dupe 0-6"	1.00	15.04	86.83	173	173.70
4009607	Dupe 48"	1.00	15.00	82.23	184	291.88
4009608	B2 0-6"	1.00	15.00	76.36	198	ND
4009610	B2 48"	1.00	15.00	85.08	177	ND
4009611	B3 0-6"	1.00	15.23	86.27	172	287.41
4009613	B3 48"	1.00	15.26	79.59	186	ND
4009614	B4 0-6"	1.00	15.24	56.02	265	ND
4009616	B4 48"	1.00	15.04	70.39	214	ND
4009617	B5 0-6"	1.00	15.12	78.36	191	ND
4009619	B5 48"	1.00	15.43	79.38	185	ND
METHOD BLANK	MB-020504-03	1.00	15.00	100.00	151	ND

ND = Not Detected

MDL = Method Detection Limit

Report of Analysis
U.S.Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army DPW. SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Project # : Location : UST Reg. # :	40109 700 Area
Analysis :	OQA-QAM-025	Date Received :	10-Feb-04
Matrix :	Soil	Date Extracted :	17-Feb-04
Inst. ID. :	GC TPHC INST. #1	Extraction Method :	Shake
Column Type :	RTX-5, 0.32mm ID, 30M	Analysis Complete :	02-Mar-04
Injection Volume :	1uL	Analyst :	Bpatel

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
4010902	B6 0-6	1.00	15.64	70.86	204	ND
4010904	B6 48	1.00	15.25	80.61	184	ND
4010905	B7 0-6	1.00	15.26	79.66	186	222.61
4010907	B7 72	1.00	15.46	81.57	180	ND
4010908	B8 0-6	1.00	15.74	63.00	228	229.72
4010910	B8 72	1.00	15.20	84.57	176	ND
4010911	B9 0-6	1.00	15.11	88.11	170	176.68
4010913	B9 72	1.00	15.32	78.48	188	ND
4010914	B10 0-6	1.00	15.05	70.62	213	ND
METHOD BLANK	MB-021704-01	1.00	15.00	100.00	151	183.92

ND = Not Detected

MDL = Method Detection Limit

Report of Analysis
U.S.Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army DPW. SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	**Project # :**	40109
		Location :	700 Area
		UST Reg. # :	
Analysis :	OQA-QAM-025	**Date Received :**	10-Feb-04
Matrix :	Soil	**Date Extracted :**	20-Feb-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Shake
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	02-Mar-04
Injection Volume :	1uL	**Analyst :**	Bpatel

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
4010916	B10 84	1.00	15.38	84.95	173	ND
4010917	B12 0-6	1.00	15.17	64.23	232	265.60
4010919	B12 96	1.00	15.52	75.08	194	ND
4010920	B13 0-6	1.00	15.01	78.96	191	374.16
4010922	B13 72	1.00	15.33	83.01	178	ND
METHOD BLANK	MB-022004-01	1.00	15.00	100.00	151	ND

ND = Not Detected

MDL = Method Detection Limit

Report of Analysis
U.S.Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army DPW. SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	**Project # :**	40112
		Location :	700 Area
		UST Reg. # :	
Analysis :	OQA-QAM-025	**Date Received :**	10-Feb-04
Matrix :	Soil	**Date Extracted :**	23-Feb-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Shake
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	02-Mar-04
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
4011202	B14 0-6	1.00	15.01	84.82	178	ND
4011204	B14 60	1.00	15.28	84.48	175	ND
4011205	B15 0-6	1.00	15.33	81.04	182	251.72
4011207	B15 60	1.00	15.11	83.93	179	ND
4011208	B16 0-6	1.00	15.13	76.02	197	264.44
4011210	B16 48	1.00	15.12	81.45	184	ND
4011211	B17 0-6	1.00	15.07	78.17	192	ND
4011213	B17 40	1.00	15.10	80.34	187	ND
4011214	B18 0-6	1.00	15.31	80.62	184	222.38
4011216	B18 40	1.00	15.06	79.21	190	ND
4011217	B19 0-6	1.00	15.09	79.81	188	210.83
4011219	B19 60	1.00	15.19	78.54	190	ND
4011220	B20 0-6	1.00	15.01	68.65	220	254.19
4011222	B20 74	1.00	15.19	80.70	185	ND
METHOD BLANK	MB-022304-02	1.00	15.00	100.00	151	ND

ND = Not Detected

MDL = Method Detection Limit

Report of Analysis
U.S.Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army DPW. SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	**Project # :**	40115
		Location :	700 Area
		UST Reg. # :	
Analysis :	OQA-QAM-025	**Date Received :**	11-Feb-04
Matrix :	Soil	**Date Extracted :**	25-Feb-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Shake
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	02-Mar-04
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
4011502	B21 0-6	1.00	15.03	91.42	165	251.33
4011504	B21 60	1.00	15.32	83.80	176	ND
4011505	Dupe 0-6	1.00	15.36	79.18	186	ND
4011507	Dupe 60	1.00	15.02	82.85	182	ND
4011508	B22 0-6	1.00	15.44	77.39	190	ND
4011510	B22 60	1.00	15.65	80.10	181	ND
4011511	B23 0-6	1.00	15.59	77.73	187	ND
4011513	B23 48	1.00	15.38	84.30	175	ND
4011514	B24 0-6	1.00	15.09	76.94	195	ND
4011516	B24 48	1.00	15.01	73.27	206	ND
4011517	B25 0-6	1.00	15.20	80.98	184	ND
4011519	B25 48	1.00	15.84	81.28	176	ND
4011520	B26 0-6	1.00	15.48	75.68	193	ND
4011522	B26 48	1.00	15.24	75.82	196	ND
METHOD BLANK	MB-022504-01	1.00	15.00	100.00	151	ND

ND = Not Detected

MDL = Method Detection Limit

Report of Analysis
U.S.Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army DPW. SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	**Project # :**	40117
		Location :	700 Area
		UST Reg. # :	
Analysis :	OQA-QAM-025	**Date Received :**	12-Feb-04
Matrix :	Soil	**Date Extracted :**	25-Feb-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Shake
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	02-Mar-04
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
4011702	B27 0-6	1.00	15.33	60.37	245	ND
4011704	B27 60	1.00	15.03	79.90	189	ND
4011705	B28 0-6	1.00	15.14	76.07	197	307.14
4011707	B28 48	1.00	15.81	87.71	163	ND
4011708	B29 0-6	1.00	15.02	71.30	211	215.16
4011710	B29 72	1.00	15.79	87.39	164	ND
METHOD BLANK	MB-022504-01	1.00	15.00	100.00	151	ND

ND = Not Detected

MDL = Method Detection Limit

Report of Analysis
U.S.Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army DPW. SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	**Project # :**	40117
		Location :	700 Area
		UST Reg. # :	
Analysis :	OQA-QAM-025	**Date Received :**	12-Feb-04
Matrix :	Soil	**Date Extracted :**	25-Feb-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Shake
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	02-Mar-04
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
4011711	B30 0-6	1.00	15.22	74.39	200	1594.40
4011713	B30 72	1.00	15.09	86.80	173	1750.94
4011714	B31 0-6	1.00	15.50	75.92	192	ND
4011716	B31 72	1.00	15.34	69.70	212	ND
4011717	B32 0-6	1.00	15.03	74.18	203	ND
4011719	B32 60	1.00	15.02	79.22	190	ND
4011720	B33 0-6	1.00	15.28	76.86	193	ND
4011722	B33 48	1.00	15.03	77.94	193	249.43
4011723	B34 0-6	1.00	15.20	72.71	205	ND
4011725	B34 48	1.00	15.04	78.86	191	ND
4011726	B35 0-6	1.00	15.72	84.23	171	175.80
4011728	B35 24	1.00	15.44	79.06	186	ND
METHOD BLANK	MB-022504-02	1.00	15.00	100.00	151	ND

ND = Not Detected

MDL = Method Detection Limit

Report of Analysis
U.S.Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army DPW. SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	**Project # :**	40118
		Location :	700 Area
		UST Reg. # :	
Analysis :	OQA-QAM-025	**Date Received :**	13-Feb-04
Matrix :	Soil	**Date Extracted :**	25-Feb-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Shake
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	03-Mar-04
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
4011802	B36 0-6	1.00	15.10	81.75	183	239.47
4011804	B36 48	1.00	15.86	82.59	173	ND
4011805	B37 0-6	1.00	15.30	72.09	205	249.22
4011807	B37 72	1.00	15.17	79.45	188	ND
4011808	B38 0-6	1.00	15.71	82.25	175	270.35
4011810	B38 72	1.00	15.96	77.46	183	ND
4011811	B39 0-6	1.00	15.15	85.73	174	ND
4011813	B39 48	1.00	15.72	86.41	167	ND
METHOD BLANK	MB-022504-02	1.00	15.00	100.00	151	ND

ND = Not Detected

MDL = Method Detection Limit

Report of Analysis
U.S.Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army DPW. SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	**Project # :**	40118
		Location :	700 Area
		UST Reg. # :	
Analysis :	OQA-QAM-025	**Date Received :**	13-Feb-04
Matrix :	Soil	**Date Extracted :**	27-Feb-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Shake
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	03-Mar-04
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
4011814	B40 0-6	1.00	15.11	74.89	200	238.97
4011816	B40 96	1.00	15.41	71.81	205	ND
METHOD BLANK	MB-022704-03	1.00	15.00	100.00	151	ND

ND = Not Detected

MDL = Method Detection Limit

Report of Analysis
U.S.Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army DPW. SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	**Project # :**	40121
		Location :	700 Area
		UST Reg. # :	
Analysis :	OQA-QAM-025	**Date Received :**	17-Feb-04
Matrix :	Soil	**Date Extracted :**	27-Feb-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Shake
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	04-Mar-04
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
4012102	B11 0-6	1.00	15.05	81.96	184	ND
4012104	B11 36	1.00	15.06	82.18	183	ND
4012105	Dupe 0-6	1.00	15.40	76.81	191	ND
4012107	Dupe 36	1.00	15.02	82.38	183	ND
4012108	B41 0-6	1.00	15.20	80.13	186	ND
4012110	B41 60	1.00	15.31	89.00	166	ND
4012111	B42 0-6	1.00	15.22	81.98	182	ND
4012113	B42 60	1.00	15.06	83.76	180	ND
4012114	B43 0-6	1.00	15.24	83.87	177	184.67
4012116	B43 84	1.00	15.29	86.51	171	ND
4012117	B44 0-6	1.00	15.49	87.95	166	ND
4012119	B44 96	1.00	15.01	96.82	156	ND
4012120	B45 0-6	1.00	15.23	81.32	183	209.04
4012122	B45 72	1.00	15.05	84.56	178	ND
METHOD BLANK	MB-022704-03	1.00	15.00	100.00	151	ND

ND = Not Detected

MDL = Method Detection Limit

Report of Analysis
U.S.Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army DPW. SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	**Project # :**	40125
		Location :	700 Area
		UST Reg. # :	
Analysis :	OQA-QAM-025	**Date Received :**	18-Feb-04
Matrix :	Soil	**Date Extracted :**	27-Feb-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Shake
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	04-Mar-04
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
4012502	B46 0-6	1.00	15.09	82.00	183	224.34
4012504	B46 96	1.00	15.13	94.99	158	ND
4012505	B47 0-6	1.00	15.02	77.28	195	ND
4012507	B47 96	1.00	15.03	89.41	169	ND
METHOD BLANK	MB-022704-03	1.00	15.00	100.00	151	ND

ND = Not Detected

MDL = Method Detection Limit

Report of Analysis
U.S.Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army DPW. SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	**Project # :**	40125
		Location :	700 Area
		UST Reg. # :	

Analysis :	OQA-QAM-025	**Date Received :**	18-Feb-04
Matrix :	Soil	**Date Extracted :**	27-Feb-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Shake
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	04-Mar-04
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
4012508	B48 0-6	1.00	15.08	85.40	176	ND
4012511	B49 0-6	1.00	15.03	75.74	199	294.62
METHOD BLANK	MB-022704-04	1.00	15.00	100.00	151	ND

ND = Not Detected

MDL = Method Detection Limit

Report of Analysis
U.S.Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army DPW. SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	**Project # :**	40143
		Location :	700 Area
		UST Reg. # :	

Analysis :	OQA-QAM-025	**Date Received :**	26-Feb-04
Matrix :	Soil	**Date Extracted :**	27-Feb-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Shake
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	04-Mar-04
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
4014301	B48 72	1.00	15.27	96.19	154	ND
4014302	B49 72	1.00	15.12	91.84	163	ND
METHOD BLANK	MB-022704-04	1.00	15.00	100.00	151	ND

ND = Not Detected

MDL = Method Detection Limit

METALS

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 40096
Sample Received: NA
Sample Matrix: AQ

Site: 700 Area

Field ID: Method Blank

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/L)

Element	Date of Analysis	Result (mg/L)	Soil Cleanup Criteria *	RL (mg/L)
Aluminum	02/10/04	ND	NLE	0.100
Antimony	02/10/04	ND	14	0.02
Arsenic	02/10/04	ND	20	0.005
Barium	02/10/04	ND	700	0.005
Beryllium	02/10/04	ND	2	0.0005
Cadmium	02/10/04	ND	39	0.002
Calcium	02/10/04	ND	NLE	1.00
Chromium	02/10/04	ND	NLE	0.005
Cobalt	02/10/04	ND	NLE	0.002
Copper	02/10/04	ND	600	0.005
Iron	02/10/04	ND	NLE	0.50
Lead	02/10/04	ND	400	0.005
Magnesium	02/10/04	ND	NLE	1.0
Manganese	02/10/04	ND	NLE	0.005
Mercury	02/11/04	ND	14	0.0005
Nickel	02/10/04	ND	250	0.005
Potassium	02/10/04	ND	NLE	1.0
Selenium	02/10/04	ND	63	0.02
Silver	02/10/04	ND	110	0.005
Sodium	02/10/04	ND	NLE	5.0
Thallium	02/10/04	ND	2	0.01
Vanadium	02/10/04	ND	370	0.005
Zinc	02/10/04	ND	1500	0.05

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 40109
Sample Received: NA
Sample Matrix: AQ

Site: 700 Area

Field ID: Method Blank

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/L)

Element	Date of Analysis	Result (mg/L)	Soil Cleanup Criteria *	RL (mg/L)
Aluminum	02/10/04	ND	NLE	0.100
Antimony	02/10/04	ND	14	0.02
Arsenic	02/10/04	ND	20	0.005
Barium	02/10/04	ND	700	0.005
Beryllium	02/10/04	ND	2	0.0005
Cadmium	02/10/04	ND	39	0.002
Calcium	02/10/04	ND	NLE	1.00
Chromium	02/10/04	ND	NLE	0.005
Cobalt	02/10/04	ND	NLE	0.002
Copper	02/10/04	ND	600	0.005
Iron	02/10/04	ND	NLE	0.50
Lead	02/10/04	ND	400	0.005
Magnesium	02/10/04	ND	NLE	1.0
Manganese	02/10/04	ND	NLE	0.005
Mercury	02/11/04	ND	14	0.0005
Nickel	02/10/04	ND	250	0.005
Potassium	02/10/04	ND	NLE	1.0
Selenium	02/10/04	ND	63	0.02
Silver	02/10/04	ND	110	0.005
Sodium	02/10/04	ND	NLE	5.0
Thallium	02/10/04	ND	2	0.01
Vanadium	02/10/04	ND	370	0.005
Zinc	02/10/04	ND	1500	0.05

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 40112
Sample Received: NA
Sample Matrix: AQ

Site: 700 Area

Field ID: Method Blank

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/L)

Element	Date of Analysis	Result (mg/L)	Soil Cleanup Criteria *	RL (mg/L)
Aluminum	02/19/04	ND	NLE	0.100
Antimony	02/19/04	ND	14	0.02
Arsenic	02/19/04	ND	20	0.005
Barium	02/19/04	ND	700	0.005
Beryllium	02/19/04	ND	2	0.0005
Cadmium	02/19/04	ND	39	0.002
Calcium	02/19/04	ND	NLE	1.00
Chromium	02/19/04	ND	NLE	0.005
Cobalt	02/19/04	ND	NLE	0.002
Copper	02/19/04	ND	600	0.005
Iron	02/19/04	ND	NLE	0.50
Lead	02/19/04	ND	400	0.005
Magnesium	02/19/04	ND	NLE	1.0
Manganese	02/19/04	ND	NLE	0.005
Mercury	02/18/04	ND	14	0.0005
Nickel	02/19/04	ND	250	0.005
Potassium	02/19/04	ND	NLE	1.0
Selenium	02/19/04	ND	63	0.02
Silver	02/19/04	ND	110	0.005
Sodium	02/19/04	ND	NLE	5.0
Thallium	02/19/04	ND	2	0.01
Vanadium	02/19/04	ND	370	0.005
Zinc	02/19/04	ND	1500	0.05

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 40115
Sample Received: NA
Sample Matrix: AQ

Site: 700 Area

Field ID: Method Blank

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/L)

Element	Date of Analysis	Result (mg/L)	Soil Cleanup Criteria *	RL (mg/L)
Aluminum	02/19/04	ND	NLE	0.100
Antimony	02/19/04	ND	14	0.02
Arsenic	02/19/04	ND	20	0.005
Barium	02/19/04	ND	700	0.005
Beryllium	02/19/04	ND	2	0.0005
Cadmium	02/19/04	ND	39	0.002
Calcium	02/19/04	ND	NLE	1.00
Chromium	02/19/04	ND	NLE	0.005
Cobalt	02/19/04	ND	NLE	0.002
Copper	02/19/04	ND	600	0.005
Iron	02/19/04	ND	NLE	0.50
Lead	02/19/04	ND	400	0.005
Magnesium	02/19/04	ND	NLE	1.0
Manganese	02/19/04	ND	NLE	0.005
Mercury	02/18/04	ND	14	0.0005
Nickel	02/19/04	ND	250	0.005
Potassium	02/19/04	ND	NLE	1.0
Selenium	02/19/04	ND	63	0.02
Silver	02/19/04	ND	110	0.005
Sodium	02/19/04	ND	NLE	5.0
Thallium	02/19/04	ND	2	0.01
Vanadium	02/19/04	ND	370	0.005
Zinc	02/19/04	ND	1500	0.05

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 40117
Sample Received: NA
Sample Matrix: AQ

Site: 700 Area

Field ID: Method Blank

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/L)

Element	Date of Analysis	Result (mg/L)	Soil Cleanup Criteria *	RL (mg/L)
Aluminum	02/24/04	0.120	NLE	0.100
Antimony	02/24/04	ND	14	0.02
Arsenic	02/24/04	ND	20	0.005
Barium	02/24/04	ND	700	0.005
Beryllium	02/24/04	ND	2	0.0005
Cadmium	02/24/04	ND	39	0.002
Calcium	02/24/04	ND	NLE	1.00.
Chromium	02/24/04	ND	NLE	0.005
Cobalt	02/24/04	ND	NLE	0.002
Copper	02/24/04	ND	600	0.005
Iron	02/24/04	ND	NLE	0.50
Lead	02/24/04	ND	400	0.005
Magnesium	02/24/04	ND	NLE	1.0
Manganese	02/24/04	ND	NLE	0.005
Mercury	02/18/04	ND	14	0.0005
Nickel	02/24/04	ND	250	0.005
Potassium	02/24/04	ND	NLE	1.0
Selenium	02/24/04	ND	63	0.02
Silver	02/24/04	ND	110	0.005
Sodium	02/24/04	ND	NLE	5.0
Thallium	02/24/04	ND	2	0.01
Vanadium	02/24/04	ND	370	0.005
Zinc	02/24/04	ND	1500	0.05

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 40118
Sample Received: NA
Sample Matrix: AQ

Site: 700 Area

Field ID: Method Blank

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/L)

Element	Date of Analysis	Result (mg/L)	Soil Cleanup Criteria *	RL (mg/L)
Aluminum	02/24/04	0.120	NLE	0.100
Antimony	02/24/04	ND	14	0.02
Arsenic	02/24/04	ND	20	0.005
Barium	02/24/04	ND	700	0.005
Beryllium	02/24/04	ND	2	0.0005
Cadmium	02/24/04	ND	39	0.002
Calcium	02/24/04	ND	NLE	1.00
Chromium	02/24/04	ND	NLE	0.005
Cobalt	02/24/04	ND	NLE	0.002
Copper	02/24/04	ND	600	0.005
Iron	02/24/04	ND	NLE	0.50
Lead	02/24/04	ND	400	0.005
Magnesium	02/24/04	ND	NLE	1.0
Manganese	02/24/04	ND	NLE	0.005
Mercury	02/19/04	ND	14	0.0005
Nickel	02/24/04	ND	250	0.005
Potassium	02/24/04	ND	NLE	1.0
Selenium	02/24/04	ND	63	0.02
Silver	02/24/04	ND	110	0.005
Sodium	02/24/04	ND	NLE	5.0
Thallium	02/24/04	ND	2	0.01
Vanadium	02/24/04	ND	370	0.005
Zinc	02/24/04	ND	1500	0.05

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 40121
Sample Received: NA
Sample Matrix: AQ

Site: 700 Area

Field ID: Method Blank

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/L)

Element	Date of Analysis	Result (mg/L)	Soil Cleanup Criteria *	RL (mg/L)
Aluminum	02/24/04	ND	NLE	0.100
Antimony	02/24/04	ND	14	0.02
Arsenic	02/24/04	ND	20	0.005
Barium	02/24/04	ND	700	0.005
Beryllium	02/24/04	ND	2	0.0005
Cadmium	02/24/04	ND	39	0.002
Calcium	02/24/04	ND	NLE	1.00
Chromium	02/24/04	ND	NLE	0.005
Cobalt	02/24/04	ND	NLE	0.002
Copper	02/24/04	ND	600	0.005
Iron	02/24/04	ND	NLE	0.50
Lead	02/24/04	ND	400	0.005
Magnesium	02/24/04	ND	NLE	1.0
Manganese	02/24/04	0.0152	NLE	0.005
Mercury	02/26/04	ND	14	0.0005
Nickel	02/24/04	ND	250	0.005
Potassium	02/24/04	ND	NLE	1.0
Selenium	02/24/04	ND	63	0.02
Silver	02/24/04	ND	110	0.005
Sodium	02/24/04	ND	NLE	5.0
Thallium	02/24/04	ND	2	0.01
Vanadium	02/24/04	ND	370	0.005
Zinc	02/24/04	ND	1500	0.05

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 40125
Sample Received: NA
Sample Matrix: AQ

Site: 700 Area

Field ID: Method Blank

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/L)

Element	Date of Analysis	Result (mg/L)	Soil Cleanup Criteria *	RL (mg/L)
Aluminum	02/24/04	ND	NLE	0.100
Antimony	02/24/04	ND	14	0.02
Arsenic	02/24/04	ND	20	0.005
Barium	02/24/04	ND	700	0.005
Beryllium	02/24/04	ND	2	0.0005
Cadmium	02/24/04	ND	39	0.002
Calcium	02/24/04	ND	NLE	1.00
Chromium	02/24/04	ND	NLE	0.005
Cobalt	02/24/04	ND	NLE	0.002
Copper	02/24/04	ND	600	0.005
Iron	02/24/04	ND	NLE	0.50
Lead	02/24/04	ND	400	0.005
Magnesium	02/24/04	ND	NLE	1.0
Manganese	02/24/04	0.015	NLE	0.005
Mercury	02/26/04	ND	14	0.0005
Nickel	02/24/04	ND	250	0.005
Potassium	02/24/04	ND	NLE	1.0
Selenium	02/24/04	ND	63	0.02
Silver	02/24/04	ND	110	0.005
Sodium	02/24/04	ND	NLE	5.0
Thallium	02/24/04	ND	2	0.01
Vanadium	02/24/04	ND	370	0.005
Zinc	02/24/04	ND	1500	0.05

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4009602
Sample Received: 02/03/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B1 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/10/04	7260	NLE	20.73
Antimony	02/10/04	ND	14	4.15
Arsenic	02/10/04	6.64	20	1.04
Barium	02/10/04	32.5	700	1.04
Beryllium	02/10/04	0.760	2	0.10
Cadmium	02/10/04	0.459	39	0.41
Calcium	02/10/04	973	NLE	207.30
Chromium	02/10/04	80.3	NLE	1.04
Cobalt	02/10/04	1.05	NLE	0.41
Copper	02/10/04	4.01	600	1.04
Iron	02/10/04	24000	NLE	103.65
Lead	02/10/04	23.0	400	1.04
Magnesium	02/10/04	2170	NLE	207.30
Manganese	02/10/04	29.9	NLE	1.04
Mercury	02/11/04	ND	14	0.11
Nickel	02/10/04	5.18	250	1.04
Potassium	02/10/04	5250	NLE	207.30
Selenium	02/10/04	ND	63	4.15
Silver	02/10/04	ND	110	1.04
Sodium	02/10/04	ND	NLE	207.30
Thallium	02/10/04	ND	2	2.07
Vanadium	02/10/04	62.3	370	1.04
Zinc	02/10/04	41.0	1500	10.37

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4009605
Sample Received: 02/03/04
Sample Matrix: Soil

Site: 700 Area

Field ID: Dupe 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/10/04	8780	NLE	21.21
Antimony	02/10/04	ND	14	4.24
Arsenic	02/10/04	8.22	20	1.06
Barium	02/10/04	22.5	700	1.06
Beryllium	02/10/04	0.792	2	0.11
Cadmium	02/10/04	0.545	39	0.42
Calcium	02/10/04	1140	NLE	212.09
Chromium	02/10/04	74.2	NLE	1.06
Cobalt	02/10/04	1.53	NLE	0.42
Copper	02/10/04	3.43	600	1.06
Iron	02/10/04	25300	NLE	106.05
Lead	02/10/04	19.2	400	1.06
Magnesium	02/10/04	2300	NLE	212.09
Manganese	02/10/04	43.2	NLE	1.06
Mercury	02/11/04	ND	14	0.10
Nickel	02/10/04	5.65	250	1.06
Potassium	02/10/04	5070	NLE	212.09
Selenium	02/10/04	ND	63	4.24
Silver	02/10/04	ND	110	1.06
Sodium	02/10/04	ND	NLE	212.09
Thallium	02/10/04	ND	2	2.12
Vanadium	02/10/04	52.4	370	1.06
Zinc	02/10/04	40.5	1500	10.60

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4009608
Sample Received: 02/03/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B2 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/10/04	5770	NLE	24.80
Antimony	02/10/04	ND	14	4.96
Arsenic	02/10/04	6.59	20	1.24
Barium	02/10/04	30.8	700	1.24
Beryllium	02/10/04	0.544	2	0.12
Cadmium	02/10/04	0.611	39	0.50
Calcium	02/10/04	3850	NLE	248.03
Chromium	02/10/04	37.3	NLE	1.24
Cobalt	02/10/04	1.36	NLE	0.50
Copper	02/10/04	10.7	600	1.24
Iron	02/10/04	20100	NLE	124.01
Lead	02/10/04	44.5	400	1.24
Magnesium	02/10/04	1460	NLE	248.03
Manganese	02/10/04	49.0	NLE	1.24
Mercury	02/11/04	ND	14	0.13
Nickel	02/10/04	4.30	250	1.24
Potassium	02/10/04	2650	NLE	248.03
Selenium	02/10/04	ND	63	4.96
Silver	02/10/04	ND	110	1.24
Sodium	02/10/04	ND	NLE	248.03
Thallium	02/10/04	ND	2	2.48
Vanadium	02/10/04	29.2	370	1.24
Zinc	02/10/04	57.1	1500	12.40

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4009611
Sample Received: 02/03/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B3 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/10/04	6610	NLE	21.75
Antimony	02/10/04	ND	14	4.35
Arsenic	02/10/04	7.45	20	1.09
Barium	02/10/04	26.0	700	1.09
Beryllium	02/10/04	0.603	2	0.11
Cadmium	02/10/04	0.552	39	0.43
Calcium	02/10/04	2410	NLE	217.48
Chromium	02/10/04	51.3	NLE	1.09
Cobalt	02/10/04	2.05	NLE	0.43
Copper	02/10/04	6.30	600	1.09
Iron	02/10/04	24300	NLE	108.74
Lead	02/10/04	34.2	400	1.09
Magnesium	02/10/04	1730	NLE	217.48
Manganese	02/10/04	87.2	NLE	1.09
Mercury	02/11/04	ND	14	0.11
Nickel	02/10/04	8.62	250	1.09
Potassium	02/10/04	3320	NLE	217.48
Selenium	02/10/04	ND	63	4.35
Silver	02/10/04	ND	110	1.09
Sodium	02/10/04	ND	NLE	217.48
Thallium	02/10/04	ND	2	2.17
Vanadium	02/10/04	47.1	370	1.09
Zinc	02/10/04	50.2	1500	10.87

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4009614
Sample Received: 02/03/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B4 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/10/04	9700	NLE	32.63
Antimony	02/10/04	ND	14	6.53
Arsenic	02/10/04	11.3	20	1.63
Barium	02/10/04	37.7	700	1.63
Beryllium	02/10/04	1.06	2	0.16
Cadmium	02/10/04	ND	39	0.65
Calcium	02/10/04	1140	NLE	326.34
Chromium	02/10/04	72.7	NLE	1.63
Cobalt	02/10/04	1.58	NLE	0.65
Copper	02/10/04	6.01	600	1.63
Iron	02/10/04	25100	NLE	163.17
Lead	02/10/04	26.6	400	1.63
Magnesium	02/10/04	2790	NLE	326.34
Manganese	02/10/04	59.1	NLE	1.63
Mercury	02/11/04	ND	14	0.17
Nickel	02/10/04	7.36	250	1.63
Potassium	02/10/04	5900	NLE	326.34
Selenium	02/10/04	ND	63	6.53
Silver	02/10/04	ND	110	1.63
Sodium	02/10/04	ND	NLE	326.34
Thallium	02/10/04	ND	2	3.26
Vanadium	02/10/04	46.3	370	1.63
Zinc	02/10/04	47.1	1500	16.32

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4009617
Sample Received: 02/03/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B5 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/10/04	11400	NLE	24.40
Antimony	02/10/04	ND	14	4.88
Arsenic	02/10/04	9.45	20	1.22
Barium	02/10/04	37.7	700	1.22
Beryllium	02/10/04	0.981	2	0.12
Cadmium	02/10/04	0.550	39	0.49
Calcium	02/10/04	912	NLE	244.01
Chromium	02/10/04	63.3	NLE	1.22
Cobalt	02/10/04	3.96	NLE	0.49
Copper	02/10/04	22.8	600	1.22
Iron	02/10/04	22900	NLE	122.00
Lead	02/10/04	39.7	400	1.22
Magnesium	02/10/04	2400	NLE	244.01
Manganese	02/10/04	83.8	NLE	1.22
Mercury	02/11/04	0.15	14	0.11
Nickel	02/10/04	7.84	250	1.22
Potassium	02/10/04	4900	NLE	244.01
Selenium	02/10/04	ND	63	4.88
Silver	02/10/04	ND	110	1.22
Sodium	02/10/04	ND	NLE	244.01
Thallium	02/10/04	ND	2	2.44
Vanadium	02/10/04	44.4	370	1.22
Zinc	02/10/04	56.0	1500	12.20

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* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4010902
Sample Received: 02/10/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B6 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/10/04	14700	NLE	23.64
Antimony	02/10/04	ND	14	4.73
Arsenic	02/10/04	10.5	20	1.18
Barium	02/10/04	50.0	700	1.18
Beryllium	02/10/04	1.27	2	0.12
Cadmium	02/10/04	0.554	39	0.47
Calcium	02/10/04	1160	NLE	236.39
Chromium	02/10/04	50.6	NLE	1.18
Cobalt	02/10/04	9.05	NLE	0.47
Copper	02/10/04	15.2	600	1.18
Iron	02/10/04	24400	NLE	118.19
Lead	02/10/04	52.3	400	1.18
Magnesium	02/10/04	2090	NLE	236.39
Manganese	02/10/04	153	NLE	1.18
Mercury	02/10/04	0.19	14	0.13
Nickel	02/10/04	10.2	250	1.18
Potassium	02/10/04	3910	NLE	236.39
Selenium	02/10/04	ND	63	4.73
Silver	02/10/04	ND	110	1.18
Sodium	02/10/04	ND	NLE	236.39
Thallium	02/10/04	ND	2	2.36
Vanadium	02/10/04	43.7	370	1.18
Zinc	02/10/04	69.5	1500	11.82

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4010905
Sample Received: 02/10/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B7 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/10/04	6930	NLE	23.91
Antimony	02/10/04	ND	14	4.78
Arsenic	02/10/04	2.12	20	1.20
Barium	02/10/04	20.7	700	1.20
Beryllium	02/10/04	0.243	2	0.12
Cadmium	02/10/04	ND	39	0.48
Calcium	02/10/04	953	NLE	239.11
Chromium	02/10/04	18.0	NLE	1.20
Cobalt	02/10/04	2.30	NLE	0.48
Copper	02/10/04	5.44	600	1.20
Iron	02/10/04	7920	NLE	119.56
Lead	02/10/04	23.7	400	1.20
Magnesium	02/10/04	567	NLE	239.11
Manganese	02/10/04	44.9	NLE	1.20
Mercury	02/10/04	0.33	14	0.12
Nickel	02/10/04	3.87	250	1.20
Potassium	02/10/04	1230	NLE	239.11
Selenium	02/10/04	ND	63	4.78
Silver	02/10/04	ND	110	1.20
Sodium	02/10/04	ND	NLE	239.11
Thallium	02/10/04	ND	2	2.39
Vanadium	02/10/04	16.5	370	1.20
Zinc	02/10/04	28.1	1500	11.96

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* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4010908
Sample Received: 02/10/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B8 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/10/04	10300	NLE	29.18
Antimony	02/10/04	ND	14	5.84
Arsenic	02/10/04	8.93	20	1.46
Barium	02/10/04	38.4	700	1.46
Beryllium	02/10/04	0.853	2	0.15
Cadmium	02/10/04	0.698	39	0.58
Calcium	02/10/04	3790	NLE	291.78
Chromium	02/10/04	66.3	NLE	1.46
Cobalt	02/10/04	2.55	NLE	0.58
Copper	02/10/04	10.7	600	1.46
Iron	02/10/04	28700	NLE	145.89
Lead	02/10/04	38.9	400	1.46
Magnesium	02/10/04	2780	NLE	291.78
Manganese	02/10/04	97.5	NLE	1.46
Mercury	02/11/04	ND	14	0.13
Nickel	02/10/04	8.15	250	1.46
Potassium	02/10/04	4940	NLE	291.78
Selenium	02/10/04	ND	63	5.84
Silver	02/10/04	ND	110	1.46
Sodium	02/10/04	ND	NLE	291.78
Thallium	02/10/04	ND	2	2.92
Vanadium	02/10/04	53.1	370	1.46
Zinc	02/10/04	87.6	1500	14.59

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* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4010911
Sample Received: 02/03/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B9 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/10/04	9000	NLE	20.38
Antimony	02/10/04	ND	14	4.08
Arsenic	02/10/04	5.17	20	1.02
Barium	02/10/04	24.8	700	1.02
Beryllium	02/10/04	0.816	2	0.10
Cadmium	02/10/04	0.573	39	0.41
Calcium	02/10/04	697	NLE	203.76
Chromium	02/10/04	57.0	NLE	1.02
Cobalt	02/10/04	1.42	NLE	0.41
Copper	02/10/04	4.10	600	1.02
Iron	02/10/04	29700	NLE	101.88
Lead	02/10/04	13.6	400	1.02
Magnesium	02/10/04	1830	NLE	203.76
Manganese	02/10/04	38.7	NLE	1.02
Mercury	02/11/04	ND	14	0.10
Nickel	02/10/04	4.79	250	1.02
Potassium	02/10/04	3810	NLE	203.76
Selenium	02/10/04	ND	63	4.08
Silver	02/10/04	ND	110	1.02
Sodium	02/10/04	ND	NLE	203.76
Thallium	02/10/04	ND	2	2.04
Vanadium	02/10/04	34.3	370	1.02
Zinc	02/10/04	32.0	1500	10.19

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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4010914
Sample Received: 02/03/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B10 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/10/04	11500	NLE	24.29
Antimony	02/10/04	ND	14	4.86
Arsenic	02/10/04	9.90	20	1.21
Barium	02/10/04	42.6	700	1.21
Beryllium	02/10/04	0.841	2	0.12
Cadmium	02/10/04	0.714	39	0.49
Calcium	02/10/04	3060	NLE	242.89
Chromium	02/10/04	56.0	NLE	1.21
Cobalt	02/10/04	3.22	NLE	0.49
Copper	02/10/04	7.89	600	1.21
Iron	02/10/04	34000	NLE	121.44
Lead	02/10/04	61.3	400	1.21
Magnesium	02/10/04	2250	NLE	242.89
Manganese	02/10/04	175	NLE	1.21
Mercury	02/11/04	0.27	14	0.13
Nickel	02/10/04	9.11	250	1.21
Potassium	02/10/04	4110	NLE	242.89
Selenium	02/10/04	ND	63	4.86
Silver	02/10/04	ND	110	1.21
Sodium	02/10/04	ND	NLE	242.89
Thallium	02/10/04	ND	2	2.43
Vanadium	02/10/04	68.9	370	1.21
Zinc	02/10/04	80.9	1500	12.14

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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4012102
Sample Received: 02/17/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B11 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	11300	NLE	23.7
Antimony	02/24/04	ND	14	4.73
Arsenic	02/24/04	10.9	20	1.18
Barium	02/24/04	34.9	700	1.18
Beryllium	02/24/04	0.965	2	0.120
Cadmium	02/24/04	0.839	39	0.470
Calcium	02/24/04	2110	NLE	236
Chromium	02/24/04	82.8	NLE	1.18
Cobalt	02/24/04	2.51	NLE	0.470
Copper	02/24/04	11.0	600	1.18
Iron	02/24/04	28300	NLE	0.470
Lead	02/24/04	47.9	400	1.18
Magnesium	02/24/04	3630	NLE	236
Manganese	02/24/04	87.4	NLE	1.18
Mercury	02/26/04	ND	14	0.100
Nickel	02/24/04	7.70	250	1.18
Potassium	02/24/04	6330	NLE	236
Selenium	02/24/04	ND	63	4.73
Silver	02/24/04	ND	110	1.18
Sodium	02/24/04	ND	NLE	1180
Thallium	02/24/04	ND	2	2.36
Vanadium	02/24/04	51.9	370	1.18
Zinc	02/24/04	76.3	1500	11.8

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4012105
Sample Received: 02/17/04
Sample Matrix: Soil

Site: 700 Area

Field ID: Dupe

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	9500	NLE	22.5
Antimony	02/24/04	ND	14	4.50
Arsenic	02/24/04	11.9	20	1.13
Barium	02/24/04	37.4	700	1.13
Beryllium	02/24/04	0.990	2	0.110
Cadmium	02/24/04	0.813	39	0.450
Calcium	02/24/04	2430	NLE	225
Chromium	02/24/04	88.5	NLE	1.13
Cobalt	02/24/04	1.91	NLE	0.450
Copper	02/24/04	13.1	600	1.13
Iron	02/24/04	28800	NLE	113
Lead	02/24/04	53.4	400	1.13
Magnesium	02/24/04	3340	NLE	225
Manganese	02/24/04	90.8	NLE	1.13
Mercury	02/26/04	0.128	14	0.113
Nickel	02/24/04	7.12	250	1.13
Potassium	02/24/04	6160	NLE	225
Selenium	02/24/04	ND	63	4.50
Silver	02/24/04	ND	110	1.13
Sodium	02/24/04	ND	NLE	1130
Thallium	02/24/04	ND	2	2.25
Vanadium	02/24/04	46.5	370	1.13
Zinc	02/24/04	76.7	1500	11.3

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4010917
Sample Received: 02/10/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B12 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/10/04	7320	NLE	27.51
Antimony	02/10/04	ND	14	5.50
Arsenic	02/10/04	2.99	20	1.38
Barium	02/10/04	22.2	700	1.38
Beryllium	02/10/04	0.290	2	0.14
Cadmium	02/10/04	ND	39	0.55
Calcium	02/10/04	953	NLE	275.07
Chromium	02/10/04	18.2	NLE	1.38
Cobalt	02/10/04	2.11	NLE	0.55
Copper	02/10/04	25.0	600	1.38
Iron	02/10/04	9150	NLE	137.54
Lead	02/10/04	25.3	400	1.38
Magnesium	02/10/04	802	NLE	275.07
Manganese	02/10/04	42.1	NLE	1.38
Mercury	02/11/04	ND	14	0.15
Nickel	02/10/04	4.59	250	1.38
Potassium	02/10/04	1200	NLE	275.07
Selenium	02/10/04	ND	63	5.50
Silver	02/10/04	ND	110	1.38
Sodium	02/10/04	ND	NLE	275.07
Thallium	02/10/04	ND	2	2.75
Vanadium	02/10/04	20.8	370	1.38
Zinc	02/10/04	37.6	1500	13.75

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4010920
Sample Received: 02/10/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B13 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/10/04	13300	NLE	22.49
Antimony	02/10/04	ND	14	4.50
Arsenic	02/10/04	10.9	20	1.12
Barium	02/10/04	36.0	700	1.12
Beryllium	02/10/04	1.12	2	0.11
Cadmium	02/10/04	0.617	39	0.45
Calcium	02/10/04	1970	NLE	224.95
Chromium	02/10/04	97.0	NLE	1.12
Cobalt	02/10/04	2.09	NLE	0.45
Copper	02/10/04	7.96	600	1.12
Iron	02/10/04	33400	NLE	112.47
Lead	02/10/04	19.4	400	1.12
Magnesium	02/10/04	3720	NLE	224.95
Manganese	02/10/04	60.2	NLE	1.12
Mercury	02/11/04	ND	14	0.11
Nickel	02/10/04	7.32	250	1.12
Potassium	02/10/04	7640	NLE	224.95
Selenium	02/10/04	ND	63	4.50
Silver	02/10/04	ND	110	1.12
Sodium	02/10/04	ND	NLE	224.95
Thallium	02/10/04	ND	2	2.25
Vanadium	02/10/04	57.1	370	1.12
Zinc	02/10/04	57.8	1500	11.25

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011202
Sample Received: 02/10/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B14 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/19/04	12000	NLE	22.54
Antimony	02/19/04	ND	14	4.51
Arsenic	02/19/04	12.9	20	1.13
Barium	02/19/04	35.6	700	1.13
Beryllium	02/19/04	1.18	2	0.11
Cadmium	02/19/04	0.949	39	0.45
Calcium	02/19/04	3280	NLE	225.42
Chromium	02/19/04	129	NLE	1.13
Cobalt	02/19/04	2.41	NLE	0.45
Copper	02/19/04	52.0	600	1.13
Iron	02/19/04	34000	NLE	112.71
Lead	02/19/04	28.4	400	1.13
Magnesium	02/19/04	4200	NLE	225.42
Manganese	02/19/04	67.5	NLE	1.13
Mercury	02/18/04	0.273	14	0.11
Nickel	02/19/04	8.54	250	1.13
Potassium	02/19/04	7990	NLE	225.42
Selenium	02/19/04	ND	63	4.51
Silver	02/19/04	ND	110	1.13
Sodium	02/19/04	ND	NLE	1127.12
Thallium	02/19/04	ND	2	2.25
Vanadium	02/19/04	64.9	370	1.13
Zinc	02/19/04	65.9	1500	11.27

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011205
Sample Received: 02/10/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B15 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/19/04	8740	NLE	21.61
Antimony	02/19/04	ND	14	4.32
Arsenic	02/19/04	9.84	20	1.08
Barium	02/19/04	30.0	700	1.08
Beryllium	02/19/04	0.763	2	0.11
Cadmium	02/19/04	0.691	39	0.43
Calcium	02/19/04	2780	NLE	216.10
Chromium	02/19/04	64.7	NLE	1.08
Cobalt	02/19/04	2.38	NLE	0.43
Copper	02/19/04	8.78	600	1.08
Iron	02/19/04	29600	NLE	108.05
Lead	02/19/04	36.9	400	1.08
Magnesium	02/19/04	2410	NLE	216.10
Manganese	02/19/04	98.6	NLE	1.08
Mercury	02/18/04	ND	14	0.12
Nickel	02/19/04	7.35	250	1.08
Potassium	02/19/04	4400	NLE	216.10
Selenium	02/19/04	ND	63	4.32
Silver	02/19/04	ND	110	1.08
Sodium	02/19/04	ND	NLE	1080.52
Thallium	02/19/04	ND	2	2.16
Vanadium	02/19/04	62.2	370	1.08
Zinc	02/19/04	63.2	1500	10.81

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011208
Sample Received: 02/10/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B16 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/19/04	7690	NLE	26.00
Antimony	02/19/04	ND	14	5.20
Arsenic	02/19/04	8.40	20	1.30
Barium	02/19/04	29.6	700	1.30
Beryllium	02/19/04	0.659	2	0.13
Cadmium	02/19/04	0.585	39	0.52
Calcium	02/19/04	2770	NLE	259.97
Chromium	02/19/04	53.4	NLE	1.30
Cobalt	02/19/04	3.10	NLE	0.52
Copper	02/19/04	7.17	600	1.30
Iron	02/19/04	27300	NLE	129.98
Lead	02/19/04	42.9	400	1.30
Magnesium	02/19/04	2050	NLE	259.97
Manganese	02/19/04	112	NLE	1.30
Mercury	02/18/04	ND	14	0.11
Nickel	02/19/04	7.32	250	1.30
Potassium	02/19/04	3170	NLE	259.97
Selenium	02/19/04	ND	63	5.20
Silver	02/19/04	ND	110	1.30
Sodium	02/19/04	ND	NLE	1299.85
Thallium	02/19/04	ND	2	2.60
Vanadium	02/19/04	57.8	370	1.30
Zinc	02/19/04	64.9	1500	13.00

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011211
Sample Received: 02/10/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B17 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/19/04	11700	NLE	24.94
Antimony	02/19/04	ND	14	4.99
Arsenic	02/19/04	12.0	20	1.25
Barium	02/19/04	40.4	700	1.25
Beryllium	02/19/04	0.998	2	0.12
Cadmium	02/19/04	0.647	39	0.50
Calcium	02/19/04	1680	NLE	249.37
Chromium	02/19/04	83.1	NLE	1.25
Cobalt	02/19/04	2.16	NLE	0.50
Copper	02/19/04	9.82	600	1.25
Iron	02/19/04	33900	NLE	124.68
Lead	02/19/04	52.2	400	1.25
Magnesium	02/19/04	3110	NLE	249.37
Manganese	02/19/04	81.9	NLE	1.25
Mercury	02/18/04	0.119	14	0.11
Nickel	02/19/04	6.11	250	1.25
Potassium	02/19/04	6040	NLE	249.37
Selenium	02/19/04	ND	63	4.99
Silver	02/19/04	ND	110	1.25
Sodium	02/19/04	ND	NLE	1246.85
Thallium	02/19/04	ND	2	2.49
Vanadium	02/19/04	56.5	370	1.25
Zinc	02/19/04	78.3	1500	12.47

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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011214
Sample Received: 02/10/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B18 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/19/04	10700	NLE	24.51
Antimony	02/19/04	ND	14	4.90
Arsenic	02/19/04	16.7	20	1.23
Barium	02/19/04	33.0	700	1.23
Beryllium	02/19/04	1.00	2	0.12
Cadmium	02/19/04	0.663	39	0.49
Calcium	02/19/04	1010	NLE	245.14
Chromium	02/19/04	104	NLE	1.23
Cobalt	02/19/04	1.42	NLE	0.49
Copper	02/19/04	50.8	600	1.23
Iron	02/19/04	30900	NLE	122.57
Lead	02/19/04	115	400	1.23
Magnesium	02/19/04	3420	NLE	245.14
Manganese	02/19/04	75.8	NLE	1.23
Mercury	02/18/04	ND	14	0.11
Nickel	02/19/04	8.19	250	1.23
Potassium	02/19/04	6290	NLE	245.14
Selenium	02/19/04	ND	63	4.90
Silver	02/19/04	ND	110	1.23
Sodium	02/19/04	ND	NLE	1225.68
Thallium	02/19/04	ND	2	2.45
Vanadium	02/19/04	59.8	370	1.23
Zinc	02/19/04	148	1500	12.26

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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011217
Sample Received: 02/10/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B19 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/19/04	6110	NLE	21.17
Antimony	02/19/04	ND	14	4.23
Arsenic	02/19/04	3.70	20	1.06
Barium	02/19/04	18.3	700	1.06
Beryllium	02/19/04	0.287	2	0.11
Cadmium	02/19/04	ND	39	0.42
Calcium	02/19/04	767	NLE	211.65
Chromium	02/19/04	24.3	NLE	1.06
Cobalt	02/19/04	1.64	NLE	0.42
Copper	02/19/04	5.57	600	1.06
Iron	02/19/04	9960	NLE	105.83
Lead	02/19/04	20.2	400	1.06
Magnesium	02/19/04	1020	NLE	211.65
Manganese	02/19/04	40.1	NLE	1.06
Mercury	02/18/04	ND	14	0.12
Nickel	02/19/04	3.02	250	1.06
Potassium	02/19/04	1740	NLE	211.65
Selenium	02/19/04	ND	63	4.23
Silver	02/19/04	ND	110	1.06
Sodium	02/19/04	ND	NLE	1058.26
Thallium	02/19/04	ND	2	2.12
Vanadium	02/19/04	20.2	370	1.06
Zinc	02/19/04	27.8	1500	10.58

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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011220
Sample Received: 02/10/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B20 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/19/04	10600	NLE	26.20
Antimony	02/19/04	ND	14	5.24
Arsenic	02/19/04	12.3	20	1.31
Barium	02/19/04	49.1	700	1.31
Beryllium	02/19/04	0.864	2	0.13
Cadmium	02/19/04	0.601	39	0.52
Calcium	02/19/04	1300	NLE	261.99
Chromium	02/19/04	64.3	NLE	1.31
Cobalt	02/19/04	3.38	NLE	0.52
Copper	02/19/04	27.1	600	1.31
Iron	02/19/04	23800	NLE	130.99
Lead	02/19/04	164	400	1.31
Magnesium	02/19/04	2460	NLE	261.99
Manganese	02/19/04	92.8	NLE	1.31
Mercury	02/18/04	ND	14	0.14
Nickel	02/19/04	9.28	250	1.31
Potassium	02/19/04	4340	NLE	261.99
Selenium	02/19/04	ND	63	5.24
Silver	02/19/04	ND	110	1.31
Sodium	02/19/04	ND	NLE	1309.95
Thallium	02/19/04	ND	2	2.62
Vanadium	02/19/04	49.9	370	1.31
Zinc	02/19/04	125	1500	13.10

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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011502
Sample Received: 02/11/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B21 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/19/04	6780	NLE	19.19
Antimony	02/19/04	ND	14	3.84
Arsenic	02/19/04	5.50	20	0.96
Barium	02/19/04	34.2	700	0.96
Beryllium	02/19/04	0.576	2	0.10
Cadmium	02/19/04	ND	39	0.38
Calcium	02/19/04	721	NLE	191.90
Chromium	02/19/04	52.0	NLE	0.96
Cobalt	02/19/04	1.84	NLE	0.38
Copper	02/19/04	15.0	600	0.96
Iron	02/19/04	16000	NLE	95.95
Lead	02/19/04	68.7	400	0.96
Magnesium	02/19/04	1920	NLE	191.90
Manganese	02/19/04	52.5	NLE	0.96
Mercury	02/18/04	ND	14	0.11
Nickel	02/19/04	5.93	250	0.96
Potassium	02/19/04	3730	NLE	191.90
Selenium	02/19/04	ND	63	3.84
Silver	02/19/04	ND	110	0.96
Sodium	02/19/04	ND	NLE	959.52
Thallium	02/19/04	ND	2	1.92
Vanadium	02/19/04	29.7	370	0.96
Zinc	02/19/04	49.4	1500	9.60

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011505
Sample Received: 02/11/04
Sample Matrix: Soil

Site: 700 Area

Field ID: Dupe 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/19/04	8120	NLE	21.12
Antimony	02/19/04	ND	14	4.22
Arsenic	02/19/04	6.14	20	1.06
Barium	02/19/04	34.7	700	1.06
Beryllium	02/19/04	0.719	2	0.11
Cadmium	02/19/04	ND	39	0.42
Calcium	02/19/04	764	NLE	211.19
Chromium	02/19/04	57.6	NLE	1.06
Cobalt	02/19/04	1.87	NLE	0.42
Copper	02/19/04	15.4	600	1.06
Iron	02/19/04	19400	NLE	105.60
Lead	02/19/04	113	400	1.06
Magnesium	02/19/04	2270	NLE	211.19
Manganese	02/19/04	56.2	NLE	1.06
Mercury	02/18/04	0.171	14	0.12
Nickel	02/19/04	4.89	250	1.06
Potassium	02/19/04	4580	NLE	211.19
Selenium	02/19/04	ND	63	4.22
Silver	02/19/04	ND	110	1.06
Sodium	02/19/04	ND	NLE	1055.97
Thallium	02/19/04	ND	2	2.11
Vanadium	02/19/04	35.3	370	1.06
Zinc	02/19/04	53.5	1500	10.56

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011508
Sample Received: 02/11/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B22 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/19/04	11900	NLE	24.43
Antimony	02/19/04	ND	14	4.89
Arsenic	02/19/04	11.2	20	1.22
Barium	02/19/04	35.9	700	1.22
Beryllium	02/19/04	0.788	2	0.12
Cadmium	02/19/04	ND	39	0.49
Calcium	02/19/04	1140	NLE	244.26
Chromium	02/19/04	77.6	NLE	1.22
Cobalt	02/19/04	2.62	NLE	0.49
Copper	02/19/04	16.8	600	1.22
Iron	02/19/04	23800	NLE	122.13
Lead	02/19/04	28.6	400	1.22
Magnesium	02/19/04	3170	NLE	244.26
Manganese	02/19/04	61.9	NLE	1.22
Mercury	02/18/04	ND	14	0.11
Nickel	02/19/04	6.07	250	1.22
Potassium	02/19/04	4960	NLE	244.26
Selenium	02/19/04	ND	63	4.89
Silver	02/19/04	ND	110	1.22
Sodium	02/19/04	ND	NLE	1221.32
Thallium	02/19/04	ND	2	2.44
Vanadium	02/19/04	51.3	370	1.22
Zinc	02/19/04	38.9	1500	12.21

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011511
Sample Received: 02/11/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B23 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/19/04	7700	NLE	22.10
Antimony	02/19/04	ND	14	4.42
Arsenic	02/19/04	11.6	20	1.11
Barium	02/19/04	28.2	700	1.11
Beryllium	02/19/04	0.660	2	0.11
Cadmium	02/19/04	0.537	39	0.44
Calcium	02/19/04	603	NLE	221.05
Chromium	02/19/04	43.6	NLE	1.11
Cobalt	02/19/04	1.25	NLE	0.44
Copper	02/19/04	14.3	600	1.11
Iron	02/19/04	22700	NLE	110.52
Lead	02/19/04	41.2	400	1.11
Magnesium	02/19/04	1760	NLE	221.05
Manganese	02/19/04	52.8	NLE	1.11
Mercury	02/18/04	ND	14	0.11
Nickel	02/19/04	4.56	250	1.11
Potassium	02/19/04	3190	NLE	221.05
Selenium	02/19/04	ND	63	4.42
Silver	02/19/04	ND	110	1.11
Sodium	02/19/04	ND	NLE	1105.24
Thallium	02/19/04	ND	2	2.21
Vanadium	02/19/04	34.6	370	1.11
Zinc	02/19/04	49.9	1500	11.05

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011514
Sample Received: 02/11/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B24 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/19/04	6850	NLE	24.34
Antimony	02/19/04	ND	14	4.87
Arsenic	02/19/04	9.47	20	1.22
Barium	02/19/04	26.6	700	1.22
Beryllium	02/19/04	0.418	2	0.12
Cadmium	02/19/04	ND	39	0.49
Calcium	02/19/04	582	NLE	243.39
Chromium	02/19/04	29.0	NLE	1.22
Cobalt	02/19/04	1.65	NLE	0.49
Copper	02/19/04	10.9	600	1.22
Iron	02/19/04	13600	NLE	121.70
Lead	02/19/04	52.7	400	1.22
Magnesium	02/19/04	1240	NLE	243.39
Manganese	02/19/04	58.1	NLE	1.22
Mercury	02/18/04	ND	14	0.12
Nickel	02/19/04	3.64	250	1.22
Potassium	02/19/04	2390	NLE	243.39
Selenium	02/19/04	ND	63	4.87
Silver	02/19/04	ND	110	1.22
Sodium	02/19/04	ND	NLE	1216.96
Thallium	02/19/04	ND	2	2.43
Vanadium	02/19/04	26.9	370	1.22
Zinc	02/19/04	46.3	1500	12.17

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
*Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011517
Sample Received: 02/11/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B25 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/19/04	9920	NLE	23.48
Antimony	02/19/04	ND	14	4.70
Arsenic	02/19/04	10.2	20	1.17
Barium	02/19/04	31.9	700	1.17
Beryllium	02/19/04	0.610	2	0.12
Cadmium	02/19/04	ND	39	0.47
Calcium	02/19/04	777	NLE	234.77
Chromium	02/19/04	62.8	NLE	1.17
Cobalt	02/19/04	2.70	NLE	0.47
Copper	02/19/04	50.9	600	1.17
Iron	02/19/04	19800	NLE	117.38
Lead	02/19/04	49.8	400	1.17
Magnesium	02/19/04	2080	NLE	234.77
Manganese	02/19/04	108	NLE	1.17
Mercury	02/18/04	ND	14	0.12
Nickel	02/19/04	8.19	250	1.17
Potassium	02/19/04	3830	NLE	234.77
Selenium	02/19/04	ND	63	4.70
Silver	02/19/04	ND	110	1.17
Sodium	02/19/04	ND	NLE	1173.83
Thallium	02/19/04	ND	2	2.35
Vanadium	02/19/04	39.8	370	1.17
Zinc	02/19/04	70.9	1500	11.74

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011520
Sample Received: 02/11/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B26 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/19/04	8630	NLE	24.51
Antimony	02/19/04	ND	14	4.90
Arsenic	02/19/04	9.55	20	1.23
Barium	02/19/04	37.9	700	1.23
Beryllium	02/19/04	0.473	2	0.12
Cadmium	02/19/04	ND	39	0.49
Calcium	02/19/04	1160	NLE	245.15
Chromium	02/19/04	58.4	NLE	1.23
Cobalt	02/19/04	2.16	NLE	0.49
Copper	02/19/04	13.9	600	1.23
Iron	02/19/04	14800	NLE	122.57
Lead	02/19/04	63.8	400	1.23
Magnesium	02/19/04	1480	NLE	245.15
Manganese	02/19/04	76.7	NLE	1.23
Mercury	02/18/04	ND	14	0.12
Nickel	02/19/04	14.5	250	1.23
Potassium	02/19/04	2560	NLE	245.15
Selenium	02/19/04	ND	63	4.90
Silver	02/19/04	ND	110	1.23
Sodium	02/19/04	ND	NLE	1225.74
Thallium	02/19/04	ND	2	2.45
Vanadium	02/19/04	32.1	370	1.23
Zinc	02/19/04	72.3	1500	12.26

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* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011702
Sample Received: 02/12/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B27 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	9020	NLE	30.3
Antimony	02/24/04	ND	14	6.06
Arsenic	02/24/04	11.0	20	1.51
Barium	02/24/04	38.0	700	1.51
Beryllium	02/24/04	0.906	2	0.150
Cadmium	02/24/04	0.741	39	0.610
Calcium	02/24/04	2100	NLE	303
Chromium	02/24/04	76.2	NLE	1.51
Cobalt	02/24/04	1.47	NLE	0.610
Copper	02/24/04	8.88	600	1.51
Iron	02/24/04	26400	NLE	151
Lead	02/24/04	145	400	1.51
Magnesium	02/24/04	2740	NLE	303
Manganese	02/24/04	51.0	NLE	1.51
Mercury	02/18/04	ND	14	0.136
Nickel	02/24/04	11.5	250	1.51
Potassium	02/24/04	5370	NLE	303
Selenium	02/24/04	ND	63	6.06
Silver	02/24/04	ND	110	1.51
Sodium	02/24/04	ND	NLE	1510
Thallium	02/24/04	ND	2	3.03
Vanadium	02/24/04	43.8	370	1.51
Zinc	02/24/04	122	1500	15.1

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011705
Sample Received: 02/12/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B28 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	9340	NLE	23.2
Antimony	02/24/04	ND	14	4.65
Arsenic	02/24/04	10.6	20	1.16
Barium	02/24/04	49.9	700	1.16
Beryllium	02/24/04	0.919	2	0.120
Cadmium	02/24/04	0.942	39	0.460
Calcium	02/24/04	1740	NLE	232
Chromium	02/24/04	70.0	NLE	1.16
Cobalt	02/24/04	1.73	NLE	0.460
Copper	02/24/04	9.82	600	1.16
Iron	02/24/04	24300	NLE	116
Lead	02/24/04	502	400	1.16
Magnesium	02/24/04	2840	NLE	232
Manganese	02/24/04	75.1	NLE	1.16
Mercury	02/18/04	0.156	14	0.116
Nickel	02/24/04	8.20	250	1.16
Potassium	02/24/04	5100	NLE	232
Selenium	02/24/04	ND	63	4.65
Silver	02/24/04	ND	110	1.16
Sodium	02/24/04	ND	NLE	1160
Thallium	02/24/04	ND	2	2.32
Vanadium	02/24/04	42.4	370	1.16
Zinc	02/24/04	212	1500	11.6

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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011708
Sample Received: 02/12/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B29 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	11800	NLE	24.5
Antimony	02/24/04	ND	14	4.90
Arsenic	02/24/04	15.6	20	1.23
Barium	02/24/04	38.7	700	1.23
Beryllium	02/24/04	0.849	2	0.120
Cadmium	02/24/04	0.745	39	0.490
Calcium	02/24/04	1800	NLE	245
Chromium	02/24/04	72.3	NLE	1.23
Cobalt	02/24/04	2.11	NLE	0.490
Copper	02/24/04	14.4	600	1.23
Iron	02/24/04	25100	NLE	123
Lead	02/24/04	140	400	1.23
Magnesium	02/24/04	2920	NLE	245
Manganese	02/24/04	78.6	NLE	1.23
Mercury	02/18/04	0.403	14	0.121
Nickel	02/24/04	6.94	250	1.23
Potassium	02/24/04	5270	NLE	245
Selenium	02/24/04	ND	63	4.90
Silver	02/24/04	ND	110	1.23
Sodium	02/24/04	ND	NLE	1230
Thallium	02/24/04	ND	2	2.45
Vanadium	02/24/04	49.0	370	1.23
Zinc	02/24/04	107	1500	12.3

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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011711
Sample Received: 02/12/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B30 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	15000	NLE	24.3
Antimony	02/24/04	ND	14	4.85
Arsenic	02/24/04	17.1	20	1.21
Barium	02/24/04	34.5	700	1.21
Beryllium	02/24/04	0.893	2	0.120
Cadmium	02/24/04	0.607	39	0.490
Calcium	02/24/04	1310	NLE	243
Chromium	02/24/04	89.4	NLE	1.21
Cobalt	02/24/04	2.46	NLE	0.490
Copper	02/24/04	8.79	600	1.21
Iron	02/24/04	27500	NLE	121
Lead	02/24/04	53.6	400	1.21
Magnesium	02/24/04	3350	NLE	243
Manganese	02/24/04	91.2	NLE	1.21
Mercury	02/18/04	0.150	14	0.130
Nickel	02/24/04	6.87	250	1.21
Potassium	02/24/04	5480	NLE	243
Selenium	02/24/04	ND	63	4.85
Silver	02/24/04	ND	110	1.21
Sodium	02/24/04	ND	NLE	1210
Thallium	02/24/04	ND	2	2.43
Vanadium	02/24/04	63.3	370	1.21
Zinc	02/24/04	64.1	1500	12.1

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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011714
Sample Received: 02/12/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B31 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	9630	NLE	23.9
Antimony	02/24/04	ND	14	4.78
Arsenic	02/24/04	8.81	20	1.20
Barium	02/24/04	45.4	700	1.20
Beryllium	02/24/04	0.587	2	0.120
Cadmium	02/24/04	0.563	39	0.480
Calcium	02/24/04	1680	NLE	239
Chromium	02/24/04	43.2	NLE	1.20
Cobalt	02/24/04	2.28	NLE	0.480
Copper	02/24/04	19.2	600	1.20
Iron	02/24/04	17000	NLE	120
Lead	02/24/04	371	400	1.20
Magnesium	02/24/04	1760	NLE	239
Manganese	02/24/04	56.1	NLE	1.20
Mercury	02/18/04	0.135	14	0.125
Nickel	02/24/04	7.10	250	1.20
Potassium	02/24/04	2560	NLE	239
Selenium	02/24/04	ND	63	4.78
Silver	02/24/04	ND	110	1.20
Sodium	02/24/04	ND	NLE	1200
Thallium	02/24/04	ND	2	2.39
Vanadium	02/24/04	39.5	370	1.20
Zinc	02/24/04	152	1500	12.0

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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011717
Sample Received: 02/12/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B32 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	10800	NLE	25.6
Antimony	02/24/04	ND	14	5.12
Arsenic	02/24/04	9.21	20	1.28
Barium	02/24/04	47.5	700	1.28
Beryllium	02/24/04	0.762	2	0.130
Cadmium	02/24/04	0.614	39	0.510
Calcium	02/24/04	1710	NLE	256
Chromium	02/24/04	66.9	NLE	1.28
Cobalt	02/24/04	1.95	NLE	0.51
Copper	02/24/04	13.4	600	1.28
Iron	02/24/04	21100	NLE	128
Lead	02/24/04	161	400	1.28
Magnesium	02/24/04	2460	NLE	256
Manganese	02/24/04	65.0	NLE	1.28
Mercury	02/18/04	0.139	14	0.122
Nickel	02/24/04	6.84	250	1.28
Potassium	02/24/04	4410	NLE	256
Selenium	02/24/04	ND	63	5.12
Silver	02/24/04	ND	110	1.28
Sodium	02/24/04	ND	NLE	1280
Thallium	02/24/04	ND	2	2.56
Vanadium	02/24/04	43.6	370	1.28
Zinc	02/24/04	109	1500	12.8

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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011720
Sample Received: 02/12/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B33 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	11900	NLE	24.8
Antimony	02/24/04	ND	14	4.96
Arsenic	02/24/04	7.43	20	1.24
Barium	02/24/04	57.1	700	1.24
Beryllium	02/24/04	0.733	2	0.120
Cadmium	02/24/04	0.655	39	0.50
Calcium	02/24/04	3090	NLE	248
Chromium	02/24/04	71.0	NLE	1.24
Cobalt	02/24/04	2.08	NLE	0.50
Copper	02/24/04	14.6	600	1.24
Iron	02/24/04	19700	NLE	124
Lead	02/24/04	131	400	1.24
Magnesium	02/24/04	2870	NLE	248
Manganese	02/24/04	70.5	NLE	1.24
Mercury	02/18/04	ND	14	0.130
Nickel	02/24/04	6.32	250	1.24
Potassium	02/24/04	4130	NLE	248
Selenium	02/24/04	ND	63	4.96
Silver	02/24/04	ND	110	1.24
Sodium	02/24/04	ND	NLE	1240
Thallium	02/24/04	ND	2	2.48
Vanadium	02/24/04	45.1	370	1.24
Zinc	02/24/04	114	1500	12.4

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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011723
Sample Received: 02/12/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B34 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	9080	NLE	24.9
Antimony	02/24/04	ND	14	4.98
Arsenic	02/24/04	8.56	20	1.25
Barium	02/24/04	51.1	700	1.25
Beryllium	02/24/04	0.998	2	0.120
Cadmium	02/24/04	0.729	39	0.50
Calcium	02/24/04	1400	NLE	249
Chromium	02/24/04	86.7	NLE	1.25
Cobalt	02/24/04	1.68	NLE	0.50
Copper	02/24/04	12.2	600	1.25
Iron	02/24/04	27800	NLE	125
Lead	02/24/04	66.0	400	1.25
Magnesium	02/24/04	2980	NLE	249
Manganese	02/24/04	97.8	NLE	1.25
Mercury	02/18/04	0.173	14	0.118
Nickel	02/24/04	7.39	250	1.25
Potassium	02/24/04	6170	NLE	249
Selenium	02/24/04	ND	63	4.98
Silver	02/24/04	ND	110	1.25
Sodium	02/24/04	ND	NLE	1250
Thallium	02/24/04	ND	2	2.49
Vanadium	02/24/04	46.0	370	1.25
Zinc	02/24/04	77.1	1500	12.5

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
*Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011726
Sample Received: 02/12/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B35 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	12800	NLE	22.6
Antimony	02/24/04	ND	14	4.51
Arsenic	02/24/04	12.5	20	1.13
Barium	02/24/04	25.0	700	1.13
Beryllium	02/24/04	1.76	2	0.110
Cadmium	02/24/04	1.15	39	0.450
Calcium	02/24/04	896	NLE	226
Chromium	02/24/04	129	NLE	1.13
Cobalt	02/24/04	1.96	NLE	0.450
Copper	02/24/04	1.61	600	1.13
Iron	02/24/04	50200	NLE	113
Lead	02/24/04	23.8	400	1.13
Magnesium	02/24/04	5890	NLE	226
Manganese	02/24/04	53.3	NLE	1.13
Mercury	02/18/04	ND	14	0.110
Nickel	02/24/04	7.29	250	1.13
Potassium	02/24/04	13300	NLE	226
Selenium	02/24/04	ND	63	4.51
Silver	02/24/04	ND	110	1.13
Sodium	02/24/04	ND	NLE	1130
Thallium	02/24/04	ND	2	2.26
Vanadium	02/24/04	71.3	370	1.13
Zinc	02/24/04	60.8	1500	11.3

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011802
Sample Received: 02/13/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B36 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	13100	NLE	24.0
Antimony	02/24/04	ND	14	4.80
Arsenic	02/24/04	10.3	20	1.20
Barium	02/24/04	38.1	700	1.20
Beryllium	02/24/04	1.42	2	0.120
Cadmium	02/24/04	0.995	39	0.480
Calcium	02/24/04	784	NLE	240
Chromium	02/24/04	107	NLE	1.20
Cobalt	02/24/04	2.20	NLE	0.480
Copper	02/24/04	9.35	600	1.20
Iron	02/24/04	39800	NLE	120
Lead	02/24/04	56.7	400	1.20
Magnesium	02/24/04	4410	NLE	240
Manganese	02/24/04	69.6	NLE	1.20
Mercury	02/19/04	0.172	14	0.119
Nickel	02/24/04	8.24	250	1.20
Potassium	02/24/04	8870	NLE	240
Selenium	02/24/04	ND	63	4.80
Silver	02/24/04	ND	110	1.20
Sodium	02/24/04	ND	NLE	1200
Thallium	02/24/04	ND	2	2.40
Vanadium	02/24/04	63.8	370	1.20
Zinc	02/24/04	73.3	1500	12.0

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011805
Sample Received: 02/13/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B37 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	8120	NLE	23.2
Antimony	02/24/04	ND	14	4.65
Arsenic	02/24/04	6.39	20	1.16
Barium	02/24/04	33.5	700	1.16
Beryllium	02/24/04	0.820	2	0.120
Cadmium	02/24/04	0.614	39	0.46
Calcium	02/24/04	940	NLE	232
Chromium	02/24/04	64.6	NLE	1.16
Cobalt	02/24/04	1.48	NLE	0.460
Copper	02/24/04	9.38	600	1.16
Iron	02/24/04	23000	NLE	116
Lead	02/24/04	80.2	400	1.16
Magnesium	02/24/04	2540	NLE	232
Manganese	02/24/04	55.1	NLE	1.16
Mercury	02/19/04	0.127	14	0.118
Nickel	02/24/04	6.49	250	1.16
Potassium	02/24/04	4660	NLE	232
Selenium	02/24/04	ND	63	4.65
Silver	02/24/04	ND	110	1.16
Sodium	02/24/04	ND	NLE	1160
Thallium	02/24/04	ND	2	2.32
Vanadium	02/24/04	43.0	370	1.16
Zinc	02/24/04	62.7	1500	11.6

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011808
Sample Received: 02/13/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B38 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	6940	NLE	23.6
Antimony	02/24/04	ND	14	4.72
Arsenic	02/24/04	7.50	20	1.18
Barium	02/24/04	35.7	700	1.18
Beryllium	02/24/04	0.824	2	0.120
Cadmium	02/24/04	0.628	39	0.470
Calcium	02/24/04	450	NLE	236
Chromium	02/24/04	51.6	NLE	1.18
Cobalt	02/24/04	1.71	NLE	0.470
Copper	02/24/04	20.2	600	1.18
Iron	02/24/04	19300	NLE	118
Lead	02/24/04	127	400	1.18
Magnesium	02/24/04	1640	NLE	236
Manganese	02/24/04	41.9	NLE	1.18
Mercury	02/19/04	0.163	14	0.109
Nickel	02/24/04	5.52	250	1.18
Potassium	02/24/04	2970	NLE	236
Selenium	02/24/04	ND	63	4.72
Silver	02/24/04	ND	110	1.18
Sodium	02/24/04	ND	NLE	1180
Thallium	02/24/04	ND	2	2.36
Vanadium	02/24/04	35.2	370	1.18
Zinc	02/24/04	58.0	1500	11.8

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011811
Sample Received: 02/13/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B39 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	7630	NLE	22.6
Antimony	02/24/04	ND	14	4.51
Arsenic	02/24/04	5.18	20	1.13
Barium	02/24/04	27.2	700	1.13
Beryllium	02/24/04	0.499	2	0.110
Cadmium	02/24/04	ND	39	0.450
Calcium	02/24/04	445	NLE	226
Chromium	02/24/04	43.9	NLE	1.13
Cobalt	02/24/04	1.51	NLE	0.450
Copper	02/24/04	7.33	600	1.13
Iron	02/24/04	13100	NLE	113
Lead	02/24/04	63.3	400	1.13
Magnesium	02/24/04	1550	NLE	226
Manganese	02/24/04	50.3	NLE	1.13
Mercury	02/19/04	ND	14	0.100
Nickel	02/24/04	3.95	250	1.13
Potassium	02/24/04	2660	NLE	226
Selenium	02/24/04	ND	63	4.51
Silver	02/24/04	ND	110	1.13
Sodium	02/24/04	ND	NLE	1130
Thallium	02/24/04	ND	2	2.26
Vanadium	02/24/04	30.3	370	1.13
Zinc	02/24/04	43.1	1500	11.3

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4011814
Sample Received: 02/13/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B40 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	10600	NLE	26.2
Antimony	02/24/04	ND	14	5.24
Arsenic	02/24/04	5.49	20	1.31
Barium	02/24/04	42.6	700	1.31
Beryllium	02/24/04	0.626	2	0.130
Cadmium	02/24/04	ND	39	0.520
Calcium	02/24/04	956	NLE	262
Chromium	02/24/04	56.7	NLE	1.31
Cobalt	02/24/04	2.12	NLE	0.520
Copper	02/24/04	10.8	600	1.31
Iron	02/24/04	16400	NLE	131
Lead	02/24/04	80.5	400	1.31
Magnesium	02/24/04	2200	NLE	262
Manganese	02/24/04	68.9	NLE	1.31
Mercury	02/19/04	0.205	14	0.115
Nickel	02/24/04	5.88	250	1.31
Potassium	02/24/04	3050	NLE	262
Selenium	02/24/04	ND	63	5.24
Silver	02/24/04	ND	110	1.31
Sodium	02/24/04	ND	NLE	1310
Thallium	02/24/04	ND	2	2.62
Vanadium	02/24/04	39.0	370	1.31
Zinc	02/24/04	62.6	1500	13.1

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4012108
Sample Received: 02/17/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B41 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	9630	NLE	24.8
Antimony	02/24/04	ND	14	4.95
Arsenic	02/24/04	7.18	20	1.24
Barium	02/24/04	35.0	700	1.24
Beryllium	02/24/04	0.772	2	0.120
Cadmium	02/24/04	0.559	39	0.500
Calcium	02/24/04	904	NLE	248
Chromium	02/24/04	68.4	NLE	1.24
Cobalt	02/24/04	2.05	NLE	0.500
Copper	02/24/04	5.45	600	1.24
Iron	02/24/04	21500	NLE	124
Lead	02/24/04	30.3	400	1.24
Magnesium	02/24/04	243	NLE	248
Manganese	02/24/04	75.2	NLE	1.24
Mercury	02/26/04	0.173	14	0.124
Nickel	02/24/04	5.20	250	1.24
Potassium	02/24/04	4160	NLE	2.48
Selenium	02/24/04	ND	63	4.95
Silver	02/24/04	ND	110	1.24
Sodium	02/24/04	ND	NLE	1240
Thallium	02/24/04	ND	2	2.48
Vanadium	02/24/04	43.7	370	1.24
Zinc	02/24/04	74.9	1500	12.4

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4012111
Sample Received: 02/17/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B42 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	9670	NLE	23.1
Antimony	02/24/04	ND	14	4.62
Arsenic	02/24/04	6.94	20	1.16
Barium	02/24/04	36.4	700	1.16
Beryllium	02/24/04	0.872	2	0.120
Cadmium	02/24/04	0.620	39	0.460
Calcium	02/24/04	1160	NLE	231
Chromium	02/24/04	68.9	NLE	1.16
Cobalt	02/24/04	2.05	NLE	0.460
Copper	02/24/04	7.36	600	1.16
Iron	02/24/04	23200	NLE	116
Lead	02/24/04	63.4	400	1.16
Magnesium	02/24/04	2720	NLE	231
Manganese	02/24/04	89.6	NLE	1.16
Mercury	02/26/04	0.118	14	0.116
Nickel	02/24/04	7.17	250	1.16
Potassium	02/24/04	4710	NLE	231
Selenium	02/24/04	ND	63	4.62
Silver	02/24/04	ND	110	1.16
Sodium	02/24/04	ND	NLE	1160
Thallium	02/24/04	ND	2	2.31
Vanadium	02/24/04	44.0	370	1.16
Zinc	02/24/04	69.5	1500	11.6

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4012114
Sample Received: 02/17/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B43 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	7710	NLE	21.8
Antimony	02/24/04	ND	14	4.37
Arsenic	02/24/04	5.52	20	1.09
Barium	02/24/04	30.7	700	1.09
Beryllium	02/24/04	0.597	2	0.110
Cadmium	02/24/04	0.566	39	0.440
Calcium	02/24/04	545	NLE	218
Chromium	02/24/04	46.2	NLE	1.09
Cobalt	02/24/04	2.26	NLE	0.440
Copper	02/24/04	7.92	600	1.09
Iron	02/24/04	16600	NLE	109
Lead	02/24/04	128	400	1.09
Magnesium	02/24/04	1660	NLE	218
Manganese	02/24/04	81.0	NLE	1.09
Mercury	02/26/04	ND	14	0.110
Nickel	02/24/04	8.02	250	1.09
Potassium	02/24/04	2580	NLE	218
Selenium	02/24/04	ND	63	4.37
Silver	02/24/04	ND	110	1.09
Sodium	02/24/04	ND	NLE	1090
Thallium	02/24/04	ND	2	2.18
Vanadium	02/24/04	36.4	370	1.09
Zinc	02/24/04	136	1500	10.9

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4012117
Sample Received: 02/17/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B44 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	4460	NLE	21.3
Antimony	02/24/04	ND	14	4.25
Arsenic	02/24/04	ND	20	1.06
Barium	02/24/04	8.85	700	1.06
Beryllium	02/24/04	0.130	2	0.110
Cadmium	02/24/04	0.474	39	0.430
Calcium	02/24/04	ND	NLE	213
Chromium	02/24/04	10.6	NLE	1.06
Cobalt	02/24/04	2.76	NLE	0.430
Copper	02/24/04	1.77	600	1.06
Iron	02/24/04	3240	NLE	106
Lead	02/24/04	6.65	400	1.06
Magnesium	02/24/04	287	NLE	213
Manganese	02/24/04	31.6	NLE	1.06
Mercury	02/26/04	ND	14	0.110
Nickel	02/24/04	1.51	250	1.06
Potassium	02/24/04	590	NLE	213
Selenium	02/24/04	ND	63	4.25
Silver	02/24/04	ND	110	1.06
Sodium	02/24/04	ND	NLE	1060
Thallium	02/24/04	ND	2	2.13
Vanadium	02/24/04	11.3	370	1.06
Zinc	02/24/04	ND	1500	10.6

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4012120
Sample Received: 02/17/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B45 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	8800	NLE	23.6
Antimony	02/24/04	ND	14	4.72
Arsenic	02/24/04	5.14	20	1.18
Barium	02/24/04	32.1	700	1.18
Beryllium	02/24/04	0.588	2	0.120
Cadmium	02/24/04	ND	39	0.470
Calcium	02/24/04	1290	NLE	236
Chromium	02/24/04	49.1	NLE	1.18
Cobalt	02/24/04	2.10	NLE	0.470
Copper	02/24/04	6.87	600	1.18
Iron	02/24/04	16000	NLE	118
Lead	02/24/04	46.0	400	1.18
Magnesium	02/24/04	1780	NLE	236
Manganese	02/24/04	71.3	NLE	1.18
Mercury	02/26/04	ND	14	0.120
Nickel	02/24/04	5.16	250	1.18
Potassium	02/24/04	3160	NLE	236
Selenium	02/24/04	ND	63	4.72
Silver	02/24/04	ND	110	1.18
Sodium	02/24/04	ND	NLE	1180
Thallium	02/24/04	ND	2	2.36
Vanadium	02/24/04	36.7	370	1.18
Zinc	02/24/04	46.5	1500	11.8

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4012502
Sample Received: 02/18/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B46 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	11300	NLE	23.8
Antimony	02/24/04	ND	14	4.75
Arsenic	02/24/04	8.49	20	1.19
Barium	02/24/04	33.0	700	1.19
Beryllium	02/24/04	0.798	2	0.120
Cadmium	02/24/04	1.19	39	0.480
Calcium	02/24/04	826	NLE	238
Chromium	02/24/04	52.2	NLE	1.19
Cobalt	02/24/04	2.94	NLE	0.480
Copper	02/24/04	9.96	600	1.19
Iron	02/24/04	20600	NLE	119
Lead	02/24/04	79.8	400	1.19
Magnesium	02/24/04	2200	NLE	238
Manganese	02/24/04	102	NLE	1.19
Mercury	02/26/04	ND	14	0.110
Nickel	02/24/04	7.10	250	1.19
Potassium	02/24/04	3890	NLE	238
Selenium	02/24/04	ND	63	4.75
Silver	02/24/04	ND	110	1.19
Sodium	02/24/04	ND	NLE	1190
Thallium	02/24/04	ND	2	2.38
Vanadium	02/24/04	46.7	370	1.19
Zinc	02/24/04	510	1500	11.9

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4012505
Sample Received: 02/18/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B47 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	7350	NLE	24.4
Antimony	02/24/04	ND	14	4.87
Arsenic	02/24/04	6.53	20	1.22
Barium	02/24/04	28.7	700	1.22
Beryllium	02/24/04	0.561	2	0.120
Cadmium	02/24/04	0.714	39	0.490
Calcium	02/24/04	1150	NLE	244
Chromium	02/24/04	42.3	NLE	1.22
Cobalt	02/24/04	2.25	NLE	0.490
Copper	02/24/04	7.56	600	1.22
Iron	02/24/04	15000	NLE	122
Lead	02/24/04	30.1	400	1.22
Magnesium	02/24/04	1750	NLE	244
Manganese	02/24/04	77.8	NLE	1.22
Mercury	02/26/04	ND	14	0.120
Nickel	02/24/04	5.57	250	1.22
Potassium	02/24/04	2920	NLE	244
Selenium	02/24/04	ND	63	4.87
Silver	02/24/04	ND	110	122
Sodium	02/24/04	ND	NLE	1220
Thallium	02/24/04	ND	2	2.44
Vanadium	02/24/04	31.9	370	1.22
Zinc	02/24/04	47.7	1500	12.2

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4012508
Sample Received: 02/18/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B48 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	18500	NLE	21.1
Antimony	02/24/04	ND	14	4.21
Arsenic	02/24/04	5.62	20	1.05
Barium	02/24/04	32.9	700	1.05
Beryllium	02/24/04	1.72	2	0.110
Cadmium	02/24/04	1.79	39	0.420
Calcium	02/24/04	563	NLE	211
Chromium	02/24/04	167	NLE	1.05
Cobalt	02/24/04	1.41	NLE	0.42
Copper	02/24/04	ND	600	1.05
Iron	02/24/04	55000	NLE	105
Lead	02/24/04	12.8	400	1.05
Magnesium	02/24/04	6230	NLE	211
Manganese	02/24/04	31.7	NLE	1.05
Mercury	02/26/04	ND	14	0.110
Nickel	02/24/04	6.59	250	1.05
Potassium	02/24/04	13600	NLE	211
Selenium	02/24/04	ND	63	4.21
Silver	02/24/04	ND	110	1.05
Sodium	02/24/04	ND	NLE	1050
Thallium	02/24/04	ND	2	2.11
Vanadium	02/24/04	89.4	370	1.05
Zinc	02/24/04	48.6	1500	10.5

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4012511
Sample Received: 02/18/04
Sample Matrix: Soil

Site: 700 Area

Field ID: B49 0-6

Method of Digestion: EPA SW-846 Method 3051A
Method of Analysis: EPA SW-846 Method 6010B, 7471A

TAL-METALS RESULTS SUMMARY (mg/Kg)

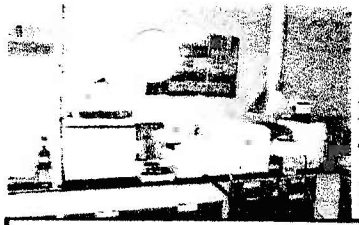
Element	Date of Analysis	Result (mg/kg)	Soil Cleanup Criteria *	RL (mg/kg)
Aluminum	02/24/04	9560	NLE	23.2
Antimony	02/24/04	ND	14	4.64
Arsenic	02/24/04	6.49	20	1.16
Barium	02/24/04	50.8	700	1.16
Beryllium	02/24/04	0.726	2	0.120
Cadmium	02/24/04	0.549	39	0.460
Calcium	02/24/04	922	NLE	232
Chromium	02/24/04	54.3	NLE	1.16
Cobalt	02/24/04	2.44	NLE	0.460
Copper	02/24/04	10.8	600	1.16
Iron	02/24/04	20000	NLE	116
Lead	02/24/04	83.3	400	1.16
Magnesium	02/24/04	1970	NLE	232
Manganese	02/24/04	116	NLE	1.16
Mercury	02/26/04	0.329	14	0.124
Nickel	02/24/04	6.50	250	1.16
Potassium	02/24/04	3230	NLE	232
Selenium	02/24/04	ND	63	4.64
Silver	02/24/04	ND	110	1.16
Sodium	02/24/04	ND	NLE	1160
Thallium	02/24/04	ND	2	2.32
Vanadium	02/24/04	44.4	370	1.16
Zinc	02/24/04	80.6	1500	11.6

ND = Not Detected, RL = Reporting Limit, NLE = No Limit Established
* Residential Direct Contact Soil Cleanup as per N.J.A.C. 7:26:D 5/12/99

Table of Contents

Section	Page
Chain of Custody	1-2
Method Summary	3-4
Laboratory Chronicle	5-6
Conformance/Non-Conformance Summary	7-11
Semi-Volatile Organics	12
Analytical Results Summary	13-42
Standards Summary	43-62
Method Blank Summary	63
Surrogate Recovery Summary	64
MS/MSD Results Summary	65-68
Internal Standard Summary	69-76
Sample Chromatograms	77-96
Pesticides	97
Analytical Results Summary	98-106
Standards Summary	107-128
Surrogate Recovery Summary	129
MS/MSD Results Summary	130-131
Retention Time Shift Summary	132
Sample Chromatograms	133-150
Laboratory Deliverables Checklist	151
Laboratory Authentication Statement	152

CHAIN OF CUSTODY



Fort Monmouth Envir nmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: D. Guenther | Project No: | Location: 700 Area

Phone #: (732)532-0986

(X)DERA ( )OMA ( )Other:_____

Samplers Name / Company: George Boyce/TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	ABN+25	PEST/PCB	TAL METALS	TPHC	%SOLIDS		Methanol #	Remarks / Preservation Method
40209 01	B 30 A 0-6	3/26/04	0830	Soil	1		✓	✓						
02	B 30 B 0-6		0835		1									
03	B 30 C 0-6		0840		1									
04	B 30 D 0-6		0845		1									
05	B 49 A 0-6		0900		1									
06	B 49 B 0-6		0910		1									
07	B 49 C 0-6		0905		1									
08	B 49 D 0-6		0900		1									

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
George T. Boyce	3/26/04 935				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, (X)Reduced, ( )Standard, ( )Screen / non-certified, ( )EDD

Turnaround time: ( )Standard 3 wks, (X)Rush 7 Days, ( )ASAP Verbal ____Hrs.

Remarks:

200000

print legibly

700area.coc.XLS2/11/2004

METHOD SUMMARY

Method Summary

EPA SW-846 Method 8270
Gas Chromatographic Determination of Semi-volatiles in Soil

Surrogates are added to a 10-gram soil sample that has been dried with sodium sulfate. The sample is then extracted using a soxtherm extractor. The extract is concentrated to 1 ml. Internal standards are added and the sample is injected into a GC/MS system. Semi-volatiles are identified and quantitated. The final concentration is calculated using soil weight, percent moisture and concentration.

EPA SW-846 Method 8081/8082
Gas Chromatographic Determination of Pesticides in Soil

Surrogates are added to a 10-gram soil sample, which has been dried with sodium sulfate. The sample is then extracted using a soxtherm extractor. The extract is concentrated to 10 ml. Internal standards are added and the extract is injected into a GC/ECD system. Pesticide are identified and quantitated. The final concentration is calculated using soil weight, percent moisture and concentration.

LABORATORY CHRONICLE

Laboratory Chronicle

Lab ID: 40207 **Site:** 700 Area

	Date	Hold Time
Date Sampled	03/26/04	NA
Receipt/Refrigeration	03/26/04	NA
Extraction		
1. Semi-volatiles	04/01/04	14 days
2. Pesticides	03/29/04	14 days
Analyses		
1. Semi-volatile	04/05,07,08,12/04	40 days
2. Pesticides	03/30,31/04	40 days

CONFORMANCE/ NON-CONFORMANCE SUMMARY

GC/MS ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT

Indicate Yes, No, N/A

1. Chromatograms labeled/Compounds identified (Field samples and method blanks) — yes

2. Retention times for chromatograms provided — yes

3. GC/MS Tune Specifications

   a. BFB Meet Criteria — NA
   b. DFTPP Meet Criteria — yes

4. GC/MS Tuning Frequency – Performed every 24 hours for 600 series and 12 hours for 8000 series — Yes

5. GC/MS Calibration – Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series — yes

6. GC/MS Calibration requirements

   a. Calibration Check Compounds Meet Criteria — yes
   b. System Performance Check Compounds Meet Criteria — yes

7. Blank Contamination – If yes, List compounds and concentrations in each blank: — NO

   a. VOA Fraction NA
   b. B/N Fraction _____
   c. Acid Fraction _____

8. Surrogate Recoveries Meet Criteria — yes

   If not met, list those compounds and their recoveries, which fall outside the acceptable range:

   a. VOA Fraction NA
   b. B/N Fraction _____
   c. Acid Fraction _____

   If not met, were the calculations checked and the results qualified as "estimated"? _____

9. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria (If not met, list those compounds and their recoveries, which fall outside the acceptable range) — NO

   a. VOA Fraction NA
   b. B/N Fraction various Compounds exceed criteria
   c. Acid Fraction See summary, LCS includes

GC/MS ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT (cont.)

Indicate
Yes, No, N/A

10. Internal Standard Area/Retention Time Shift Meet Criteria — YES
(If not met, list those compounds, which fall outside the acceptable range)

a. VOA Fraction NA
b. B/N Fraction _____
c. Acid Fraction _____

11. Extraction Holding Time Met — YES

If not met, list the number of days exceeded for each sample: _____

12. Analysis Holding Time Met — YES

If not met, list the number of days exceeded for each sample: _____

Additional Comments:

Laboratory Manager: _____ Date: 4-19-04

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT

		Indicate Yes, No, N/A
1.	Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks)	yes
2.	Retention times for chromatograms provided	yes
3.	Standards Summary Meet Criteria	yes
4.	Calibration – Initial Calibration performed before sample analysis and continuing calibration performed within 12 hours of sample analysis	yes
5.	Blank Contamination – If yes, list compounds and concentrations in each blank:	no
	a. VOA Fraction NA	
	b. B/N Fraction NA	
	c. Acid Fraction NA	
	d. Pesticide/PCB's	
	e. Other	
6.	Surrogate Recoveries Meet Criteria	yes
	If not met, list those compounds and their recoveries which fall outside the acceptable range:	
	a. VOA Fraction NA	
	b. B/N Fraction NA	
	c. Acid Fraction NA	
	d. Pesticide/PCB's	
	e. Other	
	If not met, were the calculations checked and the results qualified as "estimated"?	
7.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria	
	If not met, list those compounds and their recoveries which fall outside the acceptable range	
	a. VOA Fraction NA	
	f. B/N Fraction NA	
	g. Acid Fraction NA	
	h. Pesticide/PCB's beta-BHC MS 190% MSD 147%	
	i. Other DDT MSD NC RPD NC LCS WNC due 2	
8.	Retention Time Summary for primary and confirmation analyses meet criteria	yes
9.	Were samples run on dissimilar columns?	yes

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT (CONTINUED)

Indicate
Yes, No, N/A

10. Extraction Holding Time Met — yes

If not met, list number of days exceeded for each sample: _____

11. Analysis Holding Time Met — yes

If not met, list number of days exceeded for each sample: _____

Additional Comments: _____

Laboratory Manager: _____ Date: 4-19-04

SEMI-VOLATILE ORGANICS

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MB-040104-01

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-040104-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09740.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 0 decanted:(Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/5/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1000	U
62-75-9	N-nitroso-dimethylamine	1000	U
62-53-3	Aniline	1000	U
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)ether	1000	U
95-57-8	2-Chlorophenol	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
100-51-6	Benzyl alcohol	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
95-48-7	2-Methylphenol	1000	U
39638-32-9	bis(2-chloroisopropyl)ether	1000	U
106-44-5	4-Methylphenol	1000	U
621-64-7	n-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
111-91-1	bis(2-Chloroethoxy)methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
65-85-0	Benzoic Acid	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
59-50-7	4-Chloro-3-methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	1000	U
208-96-8	Acenaphthylene	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	1000	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MB-040104-01

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-040104-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09740.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 0 decanted:(Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/5/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1000	U
51-28-5	2,4-Dinitrophenol	1000	U
132-64-9	Dibenzofuran	1000	U
100-02-7	4-Nitrophenol	1000	U
121-14-2	2,4-Dinitrotoluene	1000	U
84-66-2	Diethylphthalate	1000	U
86-73-7	Fluorene	1000	U
7005-72-3	4-Chlorophenyl-phenylether	1000	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	n-Nitrosodiphenylamine	1000	U
103-33-3	Azobenzene	1000	U
101-55-3	4-Bromophenyl-phenylether	1000	U
118-74-1	Hexachlorobenzene	1000	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	1000	U
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	1000	U
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MB-040104-01

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-040104-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09740.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 0 decanted: (Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/5/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.19	660	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B30 A

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020701

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BNA09742.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 16.71 decanted:(Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/5/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	2400	
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B30 A

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020701

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BNA09742.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 16.71 decanted:(Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/5/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	89	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	230	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	220	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	130	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	160	J
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	190	J
207-08-9	Benzo[k]fluoranthene	88	J
50-32-8	Benzo[a]pyrene	120	J
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B30 A

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020701

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BNA09742.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 16.71 decanted: (Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/5/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.18	1500	J
2. 004889-83-2	Bicyclo[3.1.1]hept-2-ene, 3,6,6-tri	9.09	1900	JN
3.	unknown	17.00	2200	J
4.	unknown	17.79	530	J
5. 000057-10-3	Hexadecanoic acid	22.90	550	JN
6.	unknown	27.34	5900	J
7.	unknown	27.67	490	J
8. 000124-25-4	Tetradecanal	30.25	3300	JN
9. 000630-01-3	Hexacosane	30.63	1800	JN
10. 027519-02-4	9-Tricosene, (Z)-	30.69	1100	JN
11. 056554-91-7	12-Octadecenal	31.77	1000	JN
12. 000593-49-7	Heptacosane	32.21	2600	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B30 B

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020702

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BNA09803.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 17.3 decanted:(Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/8/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	550	J
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B30 B

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020702

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BNA09803.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 17.3 decanted:(Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/8/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	320	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	260	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	410	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	140	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	190	J
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	150	J
207-08-9	Benzo[k]fluoranthene	1200	U
50-32-8	Benzo[a]pyrene	120	J
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	81	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B30 B

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020702

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BNA09803.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 17.3 decanted: (Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/8/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.27	810	J
2. 005717-37-3	(Carbethoxyethylidine)triphenylph	28.37	570	JN
3.	unknown	30.33	1200	J
4. 000112-95-8	Eicosane	30.71	1200	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B30 C

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020703

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BNA09804.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 15.23 decanted:(Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/8/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	1700	
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B30 C

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020703

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BNA09804.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 15.23 decanted:(Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/8/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	280	J
120-12-7	Anthracene	93	J
84-74-2	Di-n-butylphthalate	290	J
206-44-0	Fluoranthene	430	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	490	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	210	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	220	J
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	280	J
207-08-9	Benzo[k]fluoranthene	110	J
50-32-8	Benzo[a]pyrene	210	J
193-39-5	Indeno[1,2,3-cd]pyrene	110	J
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	120	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B30 C

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020703

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BNA09804.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 15.23 decanted: (Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/8/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	7.28	730	J
2.	000000-00-0	Isocaryophyllene	17.09	690	JN
3.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	22.11	1200	JN
4.	002605-67-6	Acetic acid, (triphenylphosphoran	28.37	530	JN
5.		unknown	30.33	950	J
6.	000630-01-3	Hexacosane	30.71	1200	JN
7.	054833-23-7	Eicosane, 10-methyl-	32.32	1300	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B30 D

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020704

Sample wt/vol: 10.03 (g/ml) G Lab File ID: BNA09785.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 24.89 decanted:(Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/7/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	3400	
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B30 D

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020704

Sample wt/vol: 10.03 (g/ml) G Lab File ID: BNA09785.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 24.89 decanted:(Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/7/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	200	J
120-12-7	Anthracene	1300	U
84-74-2	Di-n-butylphthalate	1300	U
206-44-0	Fluoranthene	260	J
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	370	J
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	150	J
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	190	J
117-81-7	bis(2-Ethylhexyl)phthalate	110	J
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	380	J
207-08-9	Benzo[k]fluoranthene	110	J
50-32-8	Benzo[a]pyrene	250	J
193-39-5	Indeno[1,2,3-cd]pyrene	200	J
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	180	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B30 D

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020704

Sample wt/vol: 10.03 (g/ml) G Lab File ID: BNA09785.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 24.89 decanted: (Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/7/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	7.26	1500	J
2.	000087-44-5	Caryophyllene	17.10	2400	JN
3.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	22.14	800	JN
4.	004429-77-0	Cycloheptadecanol	27.30	600	JN
5.		unknown	27.46	2900	J
6.	000112-95-8	Eicosane	27.80	1300	JN
7.		unknown	28.42	630	J
8.	000593-45-3	Octadecane	29.33	1200	JN
9.	000000-00-0	1-Hexacosanal	30.39	6200	JN
10.	000630-03-5	Nonacosane	30.77	6400	JN
11.	018733-57-8	Silane, trichloroeicosyl-	30.84	2400	JN
12.	000630-06-8	Hexatriacontane	32.42	6200	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B30 D RE

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020704

Sample wt/vol: 10.03 (g/ml) G Lab File ID: BNA09805.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 24.89 decanted:(Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/8/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	4500	
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B30 D RE

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020704

Sample wt/vol: 10.03 (g/ml) G Lab File ID: BNA09805.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 24.89 decanted:(Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/8/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	200	J
120-12-7	Anthracene	1300	U
84-74-2	Di-n-butylphthalate	1300	U
206-44-0	Fluoranthene	250	J
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	320	J
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	140	J
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	180	J
117-81-7	bis(2-Ethylhexyl)phthalate	100	J
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	290	J
207-08-9	Benzo[k]fluoranthene	120	J
50-32-8	Benzo[a]pyrene	220	J
193-39-5	Indeno[1,2,3-cd]pyrene	200	J
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	230	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B30 D RE

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020704

Sample wt/vol: 10.03 (g/ml) G Lab File ID: BNA09805.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 24.89 decanted: (Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/8/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 10 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.26	1300	J
2. 000087-44-5	Caryophyllene	17.08	2400	JN
3.	unknown	22.11	780	J
4.	unknown	27.42	2600	J
5. 000629-99-2	Pentacosane	27.76	1300	JN
6. 005717-37-3	(Carbethoxyethylidine)triphenylph	28.38	650	JN
7. 000593-49-7	Heptacosane	29.29	1000	JN
8. 007390-81-0	Oxirane, hexadecyl-	30.34	4600	JN
9. 054833-48-6	Heptadecane, 2,6,10,15-tetramet	30.71	5000	JN
10. 000630-07-9	Pentatriacontane	32.33	5200	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49 A

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020705

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BNA09819.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 22.15 decanted:(Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/12/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	1900	
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49 A

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020705

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BNA09819.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 22.15 decanted:(Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/12/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	290	J
120-12-7	Anthracene	1300	U
84-74-2	Di-n-butylphthalate	440	J
206-44-0	Fluoranthene	1000	J
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	930	J
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	560	J
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	660	J
117-81-7	bis(2-Ethylhexyl)phthalate	1300	U
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	880	J
207-08-9	Benzo[k]fluoranthene	310	J
50-32-8	Benzo[a]pyrene	550	J
193-39-5	Indeno[1,2,3-cd]pyrene	210	J
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	220	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B49 A

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020705

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BNA09819.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 22.15 decanted: (Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/12/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 10 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	7.26	1200	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	22.10	510	JN
3.	000511-15-9	2-Phenanthrenol, 4b,5,6,7,8,8a,9,	26.55	560	JN
4.	074685-30-6	5-Eicosene, (E)-	27.74	690	JN
5.		unknown	30.18	860	J
6.	056554-86-0	17-Octadecenal	30.32	1400	JN
7.	000629-92-5	Nonadecane	30.70	1800	JN
8.	004429-77-0	Cycloheptadecanol	31.86	1600	JN
9.	000629-94-7	Heneicosane	32.30	1500	JN
10.		unknown	32.56	1300	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49 B

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020706

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BNA09820.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 15.96 decanted:(Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/12/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	240	J
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	120	J
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49 B

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020706

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BNA09820.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 15.96 decanted:(Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/12/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1100	J
120-12-7	Anthracene	220	J
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	2300	
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	2200	
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1300	
117-81-7	bis(2-Ethylhexyl)phthalate	170	J
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1600	
207-08-9	Benzo[k]fluoranthene	530	J
50-32-8	Benzo[a]pyrene	1100	J
193-39-5	Indeno[1,2,3-cd]pyrene	400	J
53-70-3	Dibenz[a,h]anthracene	110	J
191-24-2	Benzo[g,h,i]perylene	360	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B49 B

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020706

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BNA09820.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 15.96 decanted: (Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/12/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	7.26	970	J
2.	002136-70-1	Ethanol, 2-(tetradecyloxy)-	27.74	670	JN
3.	000000-00-0	1-Hexacosanal	30.32	6400	JN
4.	000646-31-1	Tetracosane	30.69	1800	JN
5.	000112-88-9	1-Octadecene	30.76	1500	JN
6.	000198-55-0	Perylene	31.05	1100	JN
7.	000000-00-0	1-Hexacosanal	31.86	2700	JN
8.	000630-06-8	Hexatriacontane	32.30	2900	JN
9.	007390-81-0	Oxirane, hexadecyl-	33.88	1100	JN
10.	000629-92-5	Nonadecane	34.44	1400	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49 C

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020707

Sample wt/vol: 10.22 (g/ml) G Lab File ID: BNA09821.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 12.23 decanted:(Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/12/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
95-48-7	2-Methylphenol	1100	U
39638-32-9	bis(2-chloroisopropyl)ether	1100	U
106-44-5	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49 C

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020707

Sample wt/vol: 10.22 (g/ml) G Lab File ID: BNA09821.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 12.23 decanted:(Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/12/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	130	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	310	J
206-44-0	Fluoranthene	510	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	470	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	280	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	320	J
117-81-7	bis(2-Ethylhexyl)phthalate	86	J
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	400	J
207-08-9	Benzo[k]fluoranthene	180	J
50-32-8	Benzo[a]pyrene	280	J
193-39-5	Indeno[1,2,3-cd]pyrene	120	J
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	110	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B49 C

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020707

Sample wt/vol: 10.22 (g/ml) G Lab File ID: BNA09821.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 12.23 decanted: (Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/12/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.26	950	J
2.	unknown	22.10	720	J
3. 000000-00-0	1-Hexacosanal	30.32	750	JN
4. 000112-95-8	Eicosane	30.69	710	JN
5. 054833-48-6	Heptadecane, 2,6,10,15-tetramet	32.29	820	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49 D

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020708

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BNA09822.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 12.46 decanted:(Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/12/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
95-48-7	2-Methylphenol	1100	U
39638-32-9	bis(2-chloroisopropyl)ether	1100	U
106-44-5	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49 D

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020708

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BNA09822.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 12.46 decanted:(Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/12/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	160	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1100	U
206-44-0	Fluoranthene	630	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	600	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	350	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	400	J
117-81-7	bis(2-Ethylhexyl)phthalate	290	J
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	600	J
207-08-9	Benzo[k]fluoranthene	190	J
50-32-8	Benzo[a]pyrene	370	J
193-39-5	Indeno[1,2,3-cd]pyrene	140	J
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	140	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B49 D

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40207 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4020708

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BNA09822.D

Level: (low/med) LOW Date Received: 3/26/2004

% Moisture: 12.46 decanted: (Y/N) N Date Extracted: 4/1/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/12/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 10 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	7.25	1000	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	22.10	740	JN
3.	015965-99-8	Oxirane, [(hexadecyloxy)methyl]-	27.74	460	JN
4.	056554-87-1	16-Octadecenal	30.32	2700	JN
5.	000112-95-8	Eicosane	30.69	1300	JN
6.		unknown	30.77	670	J
7.	000192-97-2	Benzo[e]pyrene	31.05	460	JN
8.	056554-89-3	14-Octadecenal	31.86	1400	JN
9.	000112-95-8	Eicosane	32.30	2200	JN
10.	000544-76-3	Hexadecane	34.44	950	JN

PESTICIDES

U.S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

TABULATED ANALYTICAL REPORT
SW 846 8081
Pesticides

mb 032904-01

Matrix: Soil
Date Extracted: 3/29/2004
Ext. Batch: 032904
Filename: 04511.D
Date Analysed: 3/30/2004

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.0015
319-85-7	beta-BHC	ND	0.0017
58-89-9	gamma-BHC	ND	0.0015
319-86-8	delta-BHC	ND	0.0017
76-44-8	Heptachlor	ND	0.0018
309-00-2	Aldrin	ND	0.0015
1024-57-3	Heptachlor epoxide	ND	0.0015
5103-74-2	gamma-Chlordane	ND	0.0014
5103-71-9	alpha-Chlordane	ND	0.0015
959-98-8	Endosulfan I	ND	0.0017
72-55-9	4,4'-DDE	ND	0.0016
60-57-1	Dieldrin	ND	0.0016
72-20-8	Endrin	ND	0.0027
33213-65-9	Endosulfan II	ND	0.0018
72-54-8	4,4'-DDD	ND	0.0015
7421-93-4	Endrin aldehyde	ND	0.0021
50-29-3	4,4'-DDT	ND	0.0025
1031-07-8	Endosulfan sulfate	ND	0.0021
53494-70-5	Endrin ketone	ND	0.0018
72-43-5	Methoxychlor	ND	0.0028
8001-35-2	Toxaphene	ND	0.0291

MDL = METHOD DETECTION LIMIT
ND =NOT DETECTED, BELOW MDL

Initial wt.(gms): 10.00
Final vol. (ml): 10

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:**	700 Area
Project Name:	700 Area	**MATRIX:**	Soil
Field ID:	B 30 A	**Ext. Batch:**	032904
Lab ID:	4020701 10X	**Date Extracted:**	3/29/2004
Filename:	04513.D	**Date Analyzed:**	30-Mar-04
Lab Project :	40207	**Dilution:**	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.119		0.0180
319-85-7	beta-BHC	ND	0.119		0.0200
58-89-9	gamma-BHC	ND	0.119		0.0180
319-86-8	delta-BHC	ND	0.119		0.0210
76-44-8	Heptachlor	ND	0.119		0.0210
309-00-2	Aldrin	ND	0.119		0.0180
1024-57-3	Heptachlor epoxide	ND	0.119		0.0180
5103-74-2	gamma-Chlordane	ND	0.119		0.0170
5103-71-9	alpha-Chlordane	ND	0.119		0.0170
959-98-8	Endosulfan I	ND	0.119		0.0200
72-55-9	4,4'-DDE	0.3400	0.119		0.0190
60-57-1	Dieldrin	ND	0.119		0.0190
72-20-8	Endrin	ND	0.119		0.0320
33213-65-9	Endosulfan II	ND	0.119		0.0210
72-54-8	4,4'-DDD	0.1100	0.119		0.0180
7421-93-4	Endrin aldehyde	ND	0.119		0.0250
50-29-3	4,4'-DDT	0.3500	0.119		0.0300
1031-07-8	Endosulfan sulfate	ND	0.119		0.0250
53494-70-5	Endrin ketone	ND	0.119		0.0220
72-43-5	Methoxychlor	ND	0.119		0.0330
8001-35-2	Toxaphene	ND	0.595		0.3461

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	83%
Initial Wt.(gms)	10.13
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:**	700 Area
Project Name:	700 Area	**MATRIX:**	Soil
Field ID:	B 30 B	**Ext. Batch:**	032904
Lab ID:	4020702 10X	**Date Extracted:**	3/29/2004
Filename:	04516.D	**Date Analyzed:**	30-Mar-04
Lab Project :	40207	**Dilution:**	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.120		0.0180
319-85-7	beta-BHC	ND	0.120		0.0200
58-89-9	gamma-BHC	ND	0.120		0.0180
319-86-8	delta-BHC	ND	0.120		0.0210
76-44-8	Heptachlor	ND	0.120		0.0210
309-00-2	Aldrin	ND	0.120		0.0180
1024-57-3	Heptachlor epoxide	ND	0.120		0.0180
5103-74-2	gamma-Chlordane	ND	0.120		0.0170
5103-71-9	alpha-Chlordane	ND	0.120		0.0170
959-98-8	Endosulfan I	ND	0.120		0.0210
72-55-9	4,4'-DDE	0.0290	0.120		0.0190
60-57-1	Dieldrin	ND	0.120		0.0190
72-20-8	Endrin	ND	0.120		0.0320
33213-65-9	Endosulfan II	ND	0.120		0.0210
72-54-8	4,4'-DDD	ND	0.120		0.0180
7421-93-4	Endrin aldehyde	ND	0.120		0.0260
50-29-3	4,4'-DDT	ND	0.120		0.0300
1031-07-8	Endosulfan sulfate	ND	0.120		0.0250
53494-70-5	Endrin ketone	ND	0.120		0.0220
72-43-5	Methoxychlor	ND	0.120		0.0330
8001-35-2	Toxaphene	ND	0.599		0.3485

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	83%
Initial Wt.(gms)	10.06
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:**	700 Area
Project Name:	700 Area	**MATRIX:**	Soil
Field ID:	B 30 C	**Ext. Batch:**	032904
Lab ID:	4020703 10X	**Date Extracted:**	3/29/2004
Filename:	04517.D	**Date Analyzed:**	30-Mar-04
Lab Project :	40207	**Dilution:**	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.115		0.0180
319-85-7	beta-BHC	ND	0.115		0.0190
58-89-9	gamma-BHC	ND	0.115		0.0180
319-86-8	delta-BHC	ND	0.115		0.0200
76-44-8	Heptachlor	ND	0.115		0.0210
309-00-2	Aldrin	ND	0.115		0.0170
1024-57-3	Heptachlor epoxide	ND	0.115		0.0170
5103-74-2	gamma-Chlordane	ND	0.115		0.0160
5103-71-9	alpha-Chlordane	ND	0.115		0.0170
959-98-8	Endosulfan I	ND	0.115		0.0200
72-55-9	4,4'-DDE	0.0400	0.115		0.0190
60-57-1	Dieldrin	ND	0.115		0.0180
72-20-8	Endrin	ND	0.115		0.0310
33213-65-9	Endosulfan II	ND	0.115		0.0210
72-54-8	4,4'-DDD	0.0220	0.115		0.0180
7421-93-4	Endrin aldehyde	ND	0.115		0.0250
50-29-3	4,4'-DDT	ND	0.115		0.0290
1031-07-8	Endosulfan sulfate	ND	0.115		0.0240
53494-70-5	Endrin ketone	ND	0.115		0.0210
72-43-5	Methoxychlor	ND	0.115		0.0320
8001-35-2	Toxaphene	ND	0.576		0.3353

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	85%
Initial Wt.(gms)	10.21
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:**	700 Area
Project Name:	700 Area	**MATRIX:**	Soil
Field ID:	B 30 D	**Ext. Batch:**	032904
Lab ID:	4020704 10X	**Date Extracted:**	3/29/2004
Filename:	04518.D	**Date Analyzed:**	30-Mar-04
Lab Project :	40207	**Dilution:**	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.131		0.0200
319-85-7	beta-BHC	ND	0.131		0.0220
58-89-9	gamma-BHC	ND	0.131		0.0200
319-86-8	delta-BHC	ND	0.131		0.0230
76-44-8	Heptachlor	ND	0.131		0.0230
309-00-2	Aldrin	ND	0.131		0.0190
1024-57-3	Heptachlor epoxide	ND	0.131		0.0200
5103-74-2	gamma-Chlordane	ND	0.131		0.0180
5103-71-9	alpha-Chlordane	ND	0.131		0.0190
959-98-8	Endosulfan I	ND	0.131		0.0220
72-55-9	4,4'-DDE	0.0830	0.131		0.0210
60-57-1	Dieldrin	ND	0.131		0.0210
72-20-8	Endrin	ND	0.131		0.0350
33213-65-9	Endosulfan II	ND	0.131		0.0230
72-54-8	4,4'-DDD	0.0770	0.131		0.0200
7421-93-4	Endrin aldehyde	ND	0.131		0.0280
50-29-3	4,4'-DDT	0.1500	0.131		0.0330
1031-07-8	Endosulfan sulfate	ND	0.131		0.0270
53494-70-5	Endrin ketone	ND	0.131		0.0240
72-43-5	Methoxychlor	ND	0.131		0.0360
8001-35-2	Toxaphene	ND	0.654		0.3804

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	75%
Initial Wt.(gms)	10.20
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:**	700 Area
Project Name:	700 Area	**MATRIX:**	Soil
Field ID:	B 49 A	**Ext. Batch:**	032904
Lab ID:	4020705 10X	**Date Extracted:**	3/29/2004
Filename:	04519.D	**Date Analyzed:**	30-Mar-04
Lab Project :	40207	**Dilution:**	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.125		0.0190
319-85-7	beta-BHC	ND	0.125		0.0210
58-89-9	gamma-BHC	ND	0.125		0.0190
319-86-8	delta-BHC	ND	0.125		0.0220
76-44-8	Heptachlor	ND	0.125		0.0220
309-00-2	Aldrin	ND	0.125		0.0190
1024-57-3	Heptachlor epoxide	ND	0.125		0.0190
5103-74-2	gamma-Chlordane	0.0230	0.125		0.0180
5103-71-9	alpha-Chlordane	0.0740	0.125		0.0180
959-98-8	Endosulfan I	ND	0.125		0.0220
72-55-9	4,4'-DDE	0.0330	0.125		0.0200
60-57-1	Dieldrin	ND	0.125		0.0200
72-20-8	Endrin	ND	0.125		0.0340
33213-65-9	Endosulfan II	ND	0.125		0.0220
72-54-8	4,4'-DDD	0.0270	0.125		0.0190
7421-93-4	Endrin aldehyde	ND	0.125		0.0270
50-29-3	4,4'-DDT	0.0420	0.125		0.0320
1031-07-8	Endosulfan sulfate	ND	0.125		0.0260
53494-70-5	Endrin ketone	ND	0.125		0.0230
72-43-5	Methoxychlor	ND	0.125		0.0350
8001-35-2	Toxaphene	ND	0.627		0.3647

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	78%
Initial Wt.(gms)	10.23
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:**	700 Area
Project Name:	700 Area	**MATRIX:**	Soil
Field ID:	B 49 B	**Ext. Batch:**	032904
Lab ID:	4020706 10X	**Date Extracted:**	3/29/2004
Filename:	04520.D	**Date Analyzed:**	30-Mar-04
Lab Project :	40207	**Dilution:**	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.117		0.0180
319-85-7	beta-BHC	ND	0.117		0.0190
58-89-9	gamma-BHC	ND	0.117		0.0180
319-86-8	delta-BHC	ND	0.117		0.0200
76-44-8	Heptachlor	ND	0.117		0.0210
309-00-2	Aldrin	ND	0.117		0.0170
1024-57-3	Heptachlor epoxide	ND	0.117		0.0180
5103-74-2	gamma-Chlordane	ND	0.117		0.0160
5103-71-9	alpha-Chlordane	0.0520	0.117		0.0170
959-98-8	Endosulfan I	ND	0.117		0.0200
72-55-9	4,4'-DDE	0.0350	0.117		0.0190
60-57-1	Dieldrin	ND	0.117		0.0190
72-20-8	Endrin	ND	0.117		0.0310
33213-65-9	Endosulfan II	ND	0.117		0.0210
72-54-8	4,4'-DDD	ND	0.117		0.0180
7421-93-4	Endrin aldehyde	ND	0.117		0.0250
50-29-3	4,4'-DDT	0.0330	0.117		0.0300
1031-07-8	Endosulfan sulfate	ND	0.117		0.0240
53494-70-5	Endrin ketone	ND	0.117		0.0220
72-43-5	Methoxychlor	ND	0.117		0.0320
8001-35-2	Toxaphene	ND	0.586		0.3410

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	84%
Initial Wt.(gms)	10.16
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:**	700 Area
Project Name:	700 Area	**MATRIX:**	Soil
Field ID:	B 49 C	**Ext. Batch:**	032904
Lab ID:	4020707 10X	**Date Extracted:**	3/29/2004
Filename:	04527.D	**Date Analyzed:**	31-Mar-04
Lab Project :	40207	**Dilution:**	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.113		0.0170
319-85-7	beta-BHC	ND	0.113		0.0190
58-89-9	gamma-BHC	ND	0.113		0.0170
319-86-8	delta-BHC	ND	0.113		0.0200
76-44-8	Heptachlor	ND	0.113		0.0200
309-00-2	Aldrin	ND	0.113		0.0170
1024-57-3	Heptachlor epoxide	ND	0.113		0.0170
5103-74-2	gamma-Chlordane	ND	0.113		0.0160
5103-71-9	alpha-Chlordane	ND	0.113		0.0160
959-98-8	Endosulfan I	ND	0.113		0.0190
72-55-9	4,4'-DDE	ND	0.113		0.0180
60-57-1	Dieldrin	ND	0.113		0.0180
72-20-8	Endrin	ND	0.113		0.0300
33213-65-9	Endosulfan II	ND	0.113		0.0200
72-54-8	4,4'-DDD	ND	0.113		0.0170
7421-93-4	Endrin aldehyde	ND	0.113		0.0240
50-29-3	4,4'-DDT	ND	0.113		0.0290
1031-07-8	Endosulfan sulfate	ND	0.113		0.0230
53494-70-5	Endrin ketone	ND	0.113		0.0210
72-43-5	Methoxychlor	ND	0.113		0.0310
8001-35-2	Toxaphene	ND	0.564		0.3284

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	88%
Initial Wt.(gms)	10.07
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:**	700 Area
Project Name:	700 Area	**MATRIX:**	Soil
Field ID:	B 49 D	**Ext. Batch:**	032904
Lab ID:	4020708 10X	**Date Extracted:**	3/29/2004
Filename:	04528.D	**Date Analyzed:**	31-Mar-04
Lab Project :	40207	**Dilution:**	10
		Analyst:	A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.112		0.0170
319-85-7	beta-BHC	ND	0.112		0.0180
58-89-9	gamma-BHC	ND	0.112		0.0170
319-86-8	delta-BHC	ND	0.112		0.0190
76-44-8	Heptachlor	ND	0.112		0.0200
309-00-2	Aldrin	ND	0.112		0.0170
1024-57-3	Heptachlor epoxide	ND	0.112		0.0170
5103-74-2	gamma-Chlordane	ND	0.112		0.0160
5103-71-9	alpha-Chlordane	ND	0.112		0.0160
959-98-8	Endosulfan I	ND	0.112		0.0190
72-55-9	4,4'-DDE	0.0470	0.112		0.0180
60-57-1	Dieldrin	ND	0.112		0.0180
72-20-8	Endrin	ND	0.112		0.0300
33213-65-9	Endosulfan II	ND	0.112		0.0200
72-54-8	4,4'-DDD	0.0180	0.112		0.0170
7421-93-4	Endrin aldehyde	ND	0.112		0.0240
50-29-3	4,4'-DDT	0.0290	0.112		0.0280
1031-07-8	Endosulfan sulfate	ND	0.112		0.0230
53494-70-5	Endrin ketone	ND	0.112		0.0210
72-43-5	Methoxychlor	ND	0.112		0.0310
8001-35-2	Toxaphene	ND	0.559		0.3252

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	88%
Initial Wt.(gms)	10.17
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

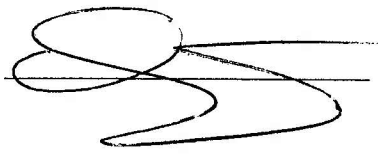
LABORATORY DELIVERABLES CHECKLIST AND NON-CONFORMANCE SUMMARY

THIS FORM MUST BE COMPLETED BY THE LABORATORY OR ENVIRONMENTAL CONSULTANT AND ACCOMPANY ALL DATA SUBMISSIONS

The following Laboratory Deliverables Checklist and Non-Conformance Summary shall be included in the data submission. All deviations from the accepted methodology and procedures, of performance values outside acceptable ranges shall be summarized in the Non-Conformance Summary. The Technical Requirements for Site Remediation, effective June 7, 1993, provides further details. The document shall be bound and paginated, contain a table of contents, and all pages shall be legible. Incomplete data packages will be returned or held without review until the data package is completed.

It is recommended that the analytical results summary sheets listing all targeted and non-targeted compounds with the method detection limits, practical quantitation limits, and the laboratory and/or sample numbers be included in one section of the data package and in the main body of the report.

1.	Cover Page, Title Page listing Lab Certification #, facility name and address, & date of report submitted.	✓
2.	Table of Contents submitted.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds submitted.	✓
4.	Document paginated and legible.	✓
5.	Chain of Custody submitted.	✓
6.	Samples submitted to lab within 48 hours of sample collection.	✓
7.	Methodology Summary submitted.	✓
8.	Laboratory Chronicle and Holding Time Check submitted.	✓
9.	Results submitted on a dry weight basis.	✓
10.	Method Detection Limits submitted.	✓
11.	Lab certified by NJDEP for parameters of appropriate category of parameters or a member of the USEPA CLP.	✓

Laboratory Manager or Environmental Consultant's Signature 

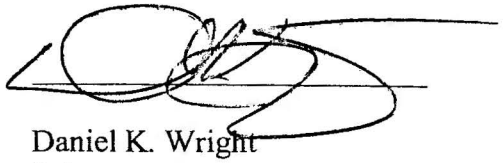
Date: 4/19/04

Laboratory Certification # 13461

*Refer to NJAC 7:26E – Appendix A, Section IV – Reduced Data Deliverables – Non-USEPA/CLP Methods for further guidance.

Laboratory Authentication Statement

I certify under penalty of law, where applicable, that this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18 and 40 CFR Part 136 for Water and Wastewater Analyses and SW-846 for Solid Waste Analysis. I have personally examined the information contained in this report and to the best of my knowledge, I believe that the submitted information is true, accurate, complete and meets the above referenced standards where applicable. I am aware that there are significant penalties for purposefully submitting falsified information, including the possibility of a fine and imprisonment.



Daniel K. Wright
Laboratory Manager

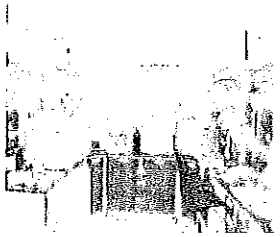
FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732) 532-4359 FAX: (732) 532-6263

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

CERTIFICATIONS: NJDEP #13461, NYSDOH #11699



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: AREA 700

Area 700

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
B30	4026001	Soil	16-April-04 10:10	04/16/04
B49	4026002	Soil	16-April-04 10:30	04/16/04
B49C1	4026003	Soil	16-April-04 10:35	04/16/04
B49C2	4026004	Soil	16-April-04 10:40	04/16/04
B49C3	4026005	Soil	16-April-04 10:50	04/16/04

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
ABN+25, PESTICIDES, % SOLIDS

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

4-22-04

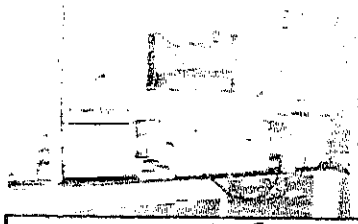
Daniel Wright/Date
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

Table of Contents

Section	Page
Chain of Custody	1-2
Method Summary	3-4
Laboratory Chronicle	5-6
Conformance/Non-Conformance Summary	7-11
Semi-Volatile Organics	12
Results Summary	13-30
Calibration Tune Summary	31-34
Method Blank Summary	35
Surrogate Results Summary	36
MS/MSD Results Summary	37-40
Internal Standard Area & RT Summary	41-42
Raw Sample Data	43-54
Pesticides	55
Analytical Results Summary	56-61
Standards Summary	62-73
Surrogate Recovery Summary	74
MS/MSD Results Summary	75-76
Retention Time Shift	77
Sample Chromatograms	78-89
Laboratory Deliverables Checklist	90
Laboratory Authentication Statement	91

CHAIN OF CUSTODY



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: D. Guenther
Phone #: X20986
( )DERA ( )OMA ( )Other:

Project No:
Location: Area 700

Samplers Name / Company:

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: Arsenic	Analysis Parameters: Lead	Comments: Remarks / Preservation Method
40200 01	B30 12-16	4/16/04	1010	Soil	1	X	X	
02	B49 12-16		1030		1			
03	B49C1 0-6		1035		1			
04	B49C2 0-6		1040		1			
05	B49C3 0-6		1050		1			

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
George Boyce	4/16/04 1100				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, (X)Reduced, ( )Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: ( )Standard 3 wks, (X)Rush 7 Days, ( )ASAP Verbal ___ Hrs.

Remarks:

print legibly

COC XLS3/1/2004

METHOD SUMMARY

Method Summary

EPA SW-846 Method 8270
Gas Chromatographic Determination of Semi-volatiles in Soil

Surrogates are added to a 10-gram soil sample that has been dried with sodium sulfate. The sample is then extracted using a soxtherm extractor. The extract is concentrated to 1 ml. Internal standards are added and the sample is injected into a GC/MS system. Semi-volatiles are identified and quantitated. The final concentration is calculated using soil weight, percent moisture and concentration.

EPA SW-846 Method 8081/8082
Gas Chromatographic Determination of Pesticides in Soil

Surrogates are added to a 10-gram soil sample, which has been dried with sodium sulfate. The sample is then extracted using a soxtherm extractor. The extract is concentrated to 10 ml. Internal standards are added and the extract is injected into a GC/ECD system. Pesticide and PCB's are identified and quantitated. The final concentration is calculated using soil weight, percent moisture and concentration.

LABORATORY CHRONICLE

Laboratory Chronicle

Lab ID: 40260 Site: Area 700

	Date	Hold Time
Date Sampled	04/16/04	NA
Receipt/Refrigeration	04/16/04	NA
Extraction		
1. ABN	04/19/04	14 days
2. Pesticides	04/19/04	14 days
Analyses		
1. ABN	04/20/04	40 days
2. Pesticides	04/20/04	40 days

CONFORMANCE/ NON-CONFORMANCE SUMMARY

GC/MS ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT

	Indicate Yes, No, N/A
1. Chromatograms labeled/Compounds identified (Field samples and method blanks)	Yes
2. Retention times for chromatograms provided	Yes
3. GC/MS Tune Specifications	
a. BFB Meet Criteria	NA
b. DFTPP Meet Criteria	Yes
4. GC/MS Tuning Frequency – Performed every 24 hours for 600 series and 12 hours for 8000 series	Yes
5. GC/MS Calibration – Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series	Yes
6. GC/MS Calibration requirements	
a. Calibration Check Compounds Meet Criteria	Yes
b. System Performance Check Compounds Meet Criteria	Yes
7. Blank Contamination – If yes, List compounds and concentrations in each blank:	NO
a. VOA Fraction NA	
b. B/N Fraction	
c. Acid Fraction	
8. Surrogate Recoveries Meet Criteria	Yes
If not met, list those compounds and their recoveries, which fall outside the acceptable range:	
a. VOA Fraction NA	
b. B/N Fraction	
c. Acid Fraction	
If not met, were the calculations checked and the results qualified as "estimated"?	
9. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria (If not met, list those compounds and their recoveries, which fall outside the acceptable range)	NO
a. VOA Fraction NA	
b. B/N Fraction Benzidine no recovery, Aniline MS 17%	
c. Acid Fraction Benzoic Acid MS 119% MSD 125% LCS included	

GC/MS ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT (cont.)

Indicate
Yes, No, N/A

10. Internal Standard Area/Retention Time Shift Meet Criteria — Yes
(If not met, list those compounds, which fall outside the acceptable range)

a. VOA Fraction NA
b. B/N Fraction
c. Acid Fraction

11. Extraction Holding Time Met — Yes

If not met, list the number of days exceeded for each sample:

12. Analysis Holding Time Met — Yes

If not met, list the number of days exceeded for each sample:

Additional Comments:

Laboratory Manager: Date: 4-22-04

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT

Indicate Yes, No, N/A

1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks) — yes

2. Retention times for chromatograms provided — yes

3. Standards Summary Meet Criteria — yes

4. Calibration – Initial Calibration performed before sample analysis and continuing calibration performed within 12 hours of sample analysis — yes

5. Blank Contamination – If yes, list compounds and concentrations in each blank: — no
   a. VOA Fraction NA
   b. B/N Fraction NA
   c. Acid Fraction NA
   d. Pesticide/PCB's
   e. Other

6. Surrogate Recoveries Meet Criteria — yes
   If not met, list those compounds and their recoveries which fall outside the acceptable range:
   a. VOA Fraction NA
   b. B/N Fraction NA
   c. Acid Fraction NA
   d. Pesticide/PCB's
   e. Other

   If not met, were the calculations checked and the results qualified as "estimated"?

7. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria — no
   If not met, list those compounds and their recoveries which fall outside the acceptable range
   a. VOA Fraction NA
   f. B/N Fraction NA
   g. Acid Fraction NA
   h. Pesticide/PCB's DDD MS 136% MSD 168%, Methoxychlor RPD 91%,
   i. Other DDT MS 107% RPD 118% LCS, unqualified

8. Retention Time Summary for primary and confirmation analyses meet criteria — yes

9. Were samples run on dissimilar columns? — yes

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT (CONTINUED)

Indicate
Yes, No, N/A

10. Extraction Holding Time Met — Yes

If not met, list number of days exceeded for each sample: _____

11. Analysis Holding Time Met — Yes

If not met, list number of days exceeded for each sample: _____

Additional Comments: _____

Laboratory Manager: _____ Date: 4-22-04

ABN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MB-041904-01

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40260 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-041904-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09881.D

Level: (low/med) LOW Date Received: 4/16/2004

% Moisture: 0 decanted:(Y/N) N Date Extracted: 4/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1000	U
62-75-9	N-nitroso-dimethylamine	1000	U
62-53-3	Aniline	1000	U
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)ether	1000	U
95-57-8	2-Chlorophenol	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
100-51-6	Benzyl alcohol	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
95-48-7	2-Methylphenol	1000	U
39638-32-9	bis(2-chloroisopropyl)ether	1000	U
106-44-5	4-Methylphenol	1000	U
621-64-7	n-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
111-91-1	bis(2-Chloroethoxy)methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
65-85-0	Benzoic Acid	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
59-50-7	4-Chloro-3-methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	1000	U
208-96-8	Acenaphthylene	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	1000	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MB-041904-01

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40260 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-041904-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09881.D

Level: (low/med) LOW Date Received: 4/16/2004

% Moisture: 0 decanted:(Y/N) N Date Extracted: 4/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1000	U
51-28-5	2,4-Dinitrophenol	1000	U
132-64-9	Dibenzofuran	1000	U
100-02-7	4-Nitrophenol	1000	U
121-14-2	2,4-Dinitrotoluene	1000	U
84-66-2	Diethylphthalate	1000	U
86-73-7	Fluorene	1000	U
7005-72-3	4-Chlorophenyl-phenylether	1000	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	n-Nitrosodiphenylamine	1000	U
103-33-3	Azobenzene	1000	U
101-55-3	4-Bromophenyl-phenylether	1000	U
118-74-1	Hexachlorobenzene	1000	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	1000	U
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	1000	U
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MB-041904-01

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40260 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-041904-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09881.D

Level: (low/med) LOW Date Received: 4/16/2004

% Moisture: 0 decanted: (Y/N) N Date Extracted: 4/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.95	520	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.79	630	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B30

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40260 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4026001

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BNA09884.D

Level: (low/med) LOW Date Received: 4/16/2004

% Moisture: 17.1 decanted:(Y/N) N Date Extracted: 4/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	1100	J
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B30

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40260 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4026001

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BNA09884.D

Level: (low/med) LOW Date Received: 4/16/2004

% Moisture: 17.1 decanted:(Y/N) N Date Extracted: 4/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
50-32-8	Benzo[a]pyrene	1200	U
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B30

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40260 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4026001

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BNA09884.D

Level: (low/med) LOW Date Received: 4/16/2004

% Moisture: 17.1 decanted: (Y/N) N Date Extracted: 4/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.96	810	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.79	740	JN
3. 000122-69-0	Cinnamyl cinnamate	27.08	1400	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40260 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4026002

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BNA09887.D

Level: (low/med) LOW Date Received: 4/16/2004

% Moisture: 16.13 decanted:(Y/N) N Date Extracted: 4/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	140	J
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	350	J
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	130	J
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	520	J
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40260 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4026002

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BNA09887.D

Level: (low/med) LOW Date Received: 4/16/2004

% Moisture: 16.13 decanted:(Y/N) N Date Extracted: 4/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	110	J
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	2700	
120-12-7	Anthracene	540	J
84-74-2	Di-n-butylphthalate	490	J
206-44-0	Fluoranthene	7200	
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	6300	
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	3700	
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	4700	
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	5700	
207-08-9	Benzo[k]fluoranthene	2100	
50-32-8	Benzo[a]pyrene	3600	
193-39-5	Indeno[1,2,3-cd]pyrene	1600	
53-70-3	Dibenz[a,h]anthracene	500	J
191-24-2	Benzo[g,h,i]perylene	1500	

000120

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B49

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40260 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4026002

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BNA09887.D

Level: (low/med) LOW Date Received: 4/16/2004

% Moisture: 16.13 decanted: (Y/N) N Date Extracted: 4/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 25 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	6.95	780	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.80	2200	JN
3.	000613-12-7	Anthracene, 2-methyl-	22.51	670	JN
4.		unknown	22.71	730	J
5.	000084-65-1	9,10-Anthracenedione	23.26	1300	JN
6.	005737-13-3	Cyclopenta(def)phenanthrenone	24.01	790	JN
7.		unknown	24.54	740	J
8.	000243-42-5	Benzo[b]naphtho[2,3-d]furan	25.03	690	JN
9.	000243-17-4	11H-Benzo[b]fluorene	25.29	640	JN
10.	002381-21-7	Pyrene, 1-methyl-	25.50	620	JN
11.	003442-78-2	Pyrene, 2-methyl-	25.79	1200	JN
12.	000082-05-3	7H-Benz[de]anthracen-7-one	26.80	1000	JN
13.		unknown	27.06	840	J
14.		unknown	27.14	760	J
15.	000082-05-3	7H-Benz[de]anthracen-7-one	27.31	1200	JN
16.		unknown	27.81	560	J
17.	001705-84-6	Triphenylene, 2-methyl-	28.63	1000	JN
18.	001090-13-7	5,12-Naphthacenedione	29.40	570	JN
19.	000124-25-4	Tetradecanal	30.02	1800	JN
20.	000192-97-2	Benzo[e]pyrene	30.32	1300	JN
21.	000593-45-3	Octadecane	30.39	670	JN
22.	000198-55-0	Perylene	30.69	4400	JN
23.	007390-81-0	Oxirane, hexadecyl-	31.48	2000	JN
24.	000629-92-5	Nonadecane	31.90	1100	JN
25.	000000-00-0	1,2:7,8-Dibenzphenanthrene	34.06	630	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49 C1

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40260 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4026003

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BNA09888.D

Level: (low/med) LOW Date Received: 4/16/2004

% Moisture: 8.12 decanted:(Y/N) N Date Extracted: 4/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
95-48-7	2-Methylphenol	1100	U
39638-32-9	bis(2-chloroisopropyl)ether	1100	U
106-44-5	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	280	J
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B49 C1

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40260 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4026003

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BNA09888.D

Level: (low/med) LOW Date Received: 4/16/2004

% Moisture: 8.12 decanted:(Y/N) N Date Extracted: 4/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	350	J
120-12-7	Anthracene	84	J
84-74-2	Di-n-butylphthalate	380	J
206-44-0	Fluoranthene	1000	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	900	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	530	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	580	J
117-81-7	bis(2-Ethylhexyl)phthalate	1100	U
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	640	J
207-08-9	Benzo[k]fluoranthene	290	J
50-32-8	Benzo[a]pyrene	500	J
193-39-5	Indeno[1,2,3-cd]pyrene	210	J
53-70-3	Dibenz[a,h]anthracene	62	J
191-24-2	Benzo[g,h,i]perylene	190	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B49 C1

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40260 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4026003

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BNA09888.D

Level: (low/med) LOW Date Received: 4/16/2004

% Moisture: 8.12 decanted: (Y/N) N Date Extracted: 4/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.96	520	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.80	3000	JN
3. 056554-87-1	16-Octadecenal	30.01	480	JN
4. 000629-94-7	Heneicosane	30.39	520	JN
5. 000192-97-2	Benzo[e]pyrene	30.67	440	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49 C2

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40260 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4026004

Sample wt/vol: 10.18 (g/ml) G Lab File ID: BNA09889.D

Level: (low/med) LOW Date Received: 4/16/2004

% Moisture: 13.46 decanted:(Y/N) N Date Extracted: 4/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
95-48-7	2-Methylphenol	1100	U
39638-32-9	bis(2-chloroisopropyl)ether	1100	U
106-44-5	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49 C2

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40260 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4026004

Sample wt/vol: 10.18 (g/ml) G Lab File ID: BNA09889.D

Level: (low/med) LOW Date Received: 4/16/2004

% Moisture: 13.46 decanted:(Y/N) N Date Extracted: 4/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	290	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	590	J
206-44-0	Fluoranthene	1000	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	930	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	530	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	580	J
117-81-7	bis(2-Ethylhexyl)phthalate	68	J
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	710	J
207-08-9	Benzo[k]fluoranthene	240	J
50-32-8	Benzo[a]pyrene	500	J
193-39-5	Indeno[1,2,3-cd]pyrene	200	J
53-70-3	Dibenz[a,h]anthracene	61	J
191-24-2	Benzo[g,h,i]perylene	200	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B49 C2

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40260 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4026004

Sample wt/vol: 10.18 (g/ml) G Lab File ID: BNA09889.D

Level: (low/med) LOW Date Received: 4/16/2004

% Moisture: 13.46 decanted: (Y/N) N Date Extracted: 4/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 7 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	6.95	770	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.80	4300	JN
3.	000124-25-4	Tetradecanal	30.01	910	JN
4.	000629-92-5	Nonadecane	30.39	910	JN
5.	000000-00-0	1-Hexacosanal	31.48	610	JN
6.	055320-06-4	Heneicosane, 11-decyl-	31.89	1300	JN
7.	000629-78-7	Heptadecane	33.88	600	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49 C3

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40260 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4026005

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09890.D

Level: (low/med) LOW Date Received: 4/16/2004

% Moisture: 18.28 decanted:(Y/N) N Date Extracted: 4/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	230	J
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49 C3

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40260 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4026005

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09890.D

Level: (low/med) LOW Date Received: 4/16/2004

% Moisture: 18.28 decanted:(Y/N) N Date Extracted: 4/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	280	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	820	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	780	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	430	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	490	J
117-81-7	bis(2-Ethylhexyl)phthalate	98	J
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	590	J
207-08-9	Benzo[k]fluoranthene	210	J
50-32-8	Benzo[a]pyrene	400	J
193-39-5	Indeno[1,2,3-cd]pyrene	160	J
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	160	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B49 C3

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40260 Location: 700 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4026005

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09890.D

Level: (low/med) LOW Date Received: 4/16/2004

% Moisture: 18.28 decanted: (Y/N) N Date Extracted: 4/19/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/20/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	6.95	830	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.79	800	JN
3.	000057-10-3	Hexadecanoic acid	22.68	570	JN
4.	001599-67-3	1-Docosene	27.44	830	JN
5.		unknown	29.87	520	J
6.	056554-86-0	17-Octadecenal	30.01	3300	JN
7.	007225-64-1	Heptadecane, 9-octyl-	30.39	1600	JN
8.	000297-03-0	Cyclotetracosane	30.45	1700	JN
9.	007390-81-0	Oxirane, hexadecyl-	31.48	2300	JN
10.	007225-64-1	Heptadecane, 9-octyl-	31.90	3400	JN
11.		unknown	33.36	640	J
12.	014167-59-0	Tetratriacontane	33.88	1500	JN

PESTICIDES

U.S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

TABULATED ANALYTICAL REPORT
SW 846 8081
Pesticides

mb 041904-01

Filename: 04578.D

Matrix: Soil
Date Extracted: 4/19/2004
Ext. Batch: 041904
Date Analysed: 4/20/2004

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.0015
319-85-7	beta-BHC	ND	0.0017
58-89-9	gamma-BHC	ND	0.0015
319-86-8	delta-BHC	ND	0.0017
76-44-8	Heptachlor	ND	0.0018
309-00-2	Aldrin	ND	0.0015
1024-57-3	Heptachlor epoxide	ND	0.0015
5103-74-2	gamma-Chlordane	ND	0.0014
5103-71-9	alpha-Chlordane	ND	0.0015
959-98-8	Endosulfan I	ND	0.0017
72-55-9	4,4'-DDE	ND	0.0016
60-57-1	Dieldrin	ND	0.0016
72-20-8	Endrin	ND	0.0027
33213-65-9	Endosulfan II	ND	0.0018
72-54-8	4,4'-DDD	ND	0.0015
7421-93-4	Endrin aldehyde	ND	0.0021
50-29-3	4,4'-DDT	ND	0.0025
1031-07-8	Endosulfan sulfate	ND	0.0021
53494-70-5	Endrin ketone	ND	0.0018
72-43-5	Methoxychlor	ND	0.0028
8001-35-2	Toxaphene	ND	0.0291

MDL = METHOD DETECTION LIMIT
ND =NOT DETECTED, BELOW MDL

Initial wt.(gms): 10.00
Final vol. (ml): 10

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B 30 12-16
Lab ID: 4026001 10X
Filename: 04580.D
Lab Project : 40260

Location: 700 Area
MATRIX: Soil
Ext. Batch: 041904
Date Extracted: 4/19/2004
Date Analyzed: 20-Apr-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.119		0.0180
319-85-7	beta-BHC	ND	0.119		0.0200
58-89-9	gamma-BHC	ND	0.119		0.0180
319-86-8	delta-BHC	ND	0.119		0.0210
76-44-8	Heptachlor	ND	0.119		0.0210
309-00-2	Aldrin	ND	0.119		0.0180
1024-57-3	Heptachlor epoxide	ND	0.119		0.0180
5103-74-2	gamma-Chlordane	ND	0.119		0.0170
5103-71-9	alpha-Chlordane	ND	0.119		0.0170
959-98-8	Endosulfan I	ND	0.119		0.0200
72-55-9	4,4'-DDE	0.0250	0.119		0.0190
60-57-1	Dieldrin	ND	0.119		0.0190
72-20-8	Endrin	ND	0.119		0.0320
33213-65-9	Endosulfan II	ND	0.119		0.0210
72-54-8	4,4'-DDD	ND	0.119		0.0180
7421-93-4	Endrin aldehyde	ND	0.119		0.0250
50-29-3	4,4'-DDT	0.0480	0.119		0.0300
1031-07-8	Endosulfan sulfate	ND	0.119		0.0250
53494-70-5	Endrin ketone	ND	0.119		0.0220
72-43-5	Methoxychlor	ND	0.119		0.0330
8001-35-2	Toxaphene	ND	0.594		0.3454

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	83%
Initial Wt.(gms)	10.15
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV
Project Name:	700 Area
Field ID:	B 49 12-16
Lab ID:	4026002 10X
Filename:	04583.D
Lab Project :	40260

Location: 700 Area
MATRIX: Soil
Ext. Batch: 041904
Date Extracted: 4/19/2004
Date Analyzed: 20-Apr-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.119		0.0180
319-85-7	beta-BHC	ND	0.119		0.0200
58-89-9	gamma-BHC	ND	0.119		0.0180
319-86-8	delta-BHC	ND	0.119		0.0210
76-44-8	Heptachlor	ND	0.119		0.0210
309-00-2	Aldrin	ND	0.119		0.0180
1024-57-3	Heptachlor epoxide	ND	0.119		0.0180
5103-74-2	gamma-Chlordane	ND	0.119		0.0170
5103-71-9	alpha-Chlordane	ND	0.119		0.0170
959-98-8	Endosulfan I	ND	0.119		0.0200
72-55-9	4,4'-DDE	ND	0.119		0.0190
60-57-1	Dieldrin	ND	0.119		0.0190
72-20-8	Endrin	ND	0.119		0.0320
33213-65-9	Endosulfan II	ND	0.119		0.0210
72-54-8	4,4'-DDD	ND	0.119		0.0180
7421-93-4	Endrin aldehyde	ND	0.119		0.0250
50-29-3	4,4'-DDT	ND	0.119		0.0300
1031-07-8	Endosulfan sulfate	ND	0.119		0.0250
53494-70-5	Endrin ketone	ND	0.119		0.0220
72-43-5	Methoxychlor	ND	0.119		0.0330
8001-35-2	Toxaphene	ND	0.593		0.3454

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	84%
Initial Wt.(gms)	10.03
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B 49C1 0-6
Lab ID: 4026003 10X
Filename: 04584.D
Lab Project : 40260

Location: 700 Area
MATRIX: Soil
Ext. Batch: 041904
Date Extracted: 4/19/2004
Date Analyzed: 20-Apr-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.108		0.0160
319-85-7	beta-BHC	ND	0.108		0.0180
58-89-9	gamma-BHC	ND	0.108		0.0170
319-86-8	delta-BHC	ND	0.108		0.0190
76-44-8	Heptachlor	ND	0.108		0.0190
309-00-2	Aldrin	ND	0.108		0.0160
1024-57-3	Heptachlor epoxide	ND	0.108		0.0160
5103-74-2	gamma-Chlordane	ND	0.108		0.0150
5103-71-9	alpha-Chlordane	ND	0.108		0.0160
959-98-8	Endosulfan I	ND	0.108		0.0190
72-55-9	4,4'-DDE	ND	0.108		0.0170
60-57-1	Dieldrin	ND	0.108		0.0170
72-20-8	Endrin	ND	0.108		0.0290
33213-65-9	Endosulfan II	ND	0.108		0.0190
72-54-8	4,4'-DDD	ND	0.108		0.0160
7421-93-4	Endrin aldehyde	ND	0.108		0.0230
50-29-3	4,4'-DDT	ND	0.108		0.0270
1031-07-8	Endosulfan sulfate	ND	0.108		0.0220
53494-70-5	Endrin ketone	ND	0.108		0.0200
72-43-5	Methoxychlor	ND	0.108		0.0300
8001-35-2	Toxaphene	ND	0.539		0.3135

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS 92%
Initial Wt.(gms) 10.09
Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 700 Area
Field ID: B 49C2 0-6
Lab ID: 4026004 10X
Filename: 04585.D
Lab Project : 40260

Location: 700 Area
MATRIX: Soil
Ext. Batch: 041904
Date Extracted: 4/19/2004
Date Analyzed: 20-Apr-04
Dilution: 10
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.114		0.0170
319-85-7	beta-BHC	ND	0.114		0.0190
58-89-9	gamma-BHC	ND	0.114		0.0180
319-86-8	delta-BHC	ND	0.114		0.0200
76-44-8	Heptachlor	ND	0.114		0.0200
309-00-2	Aldrin	ND	0.114		0.0170
1024-57-3	Heptachlor epoxide	ND	0.114		0.0170
5103-74-2	gamma-Chlordane	ND	0.114		0.0160
5103-71-9	alpha-Chlordane	ND	0.114		0.0170
959-98-8	Endosulfan I	ND	0.114		0.0200
72-55-9	4,4'-DDE	ND	0.114		0.0180
60-57-1	Dieldrin	ND	0.114		0.0180
72-20-8	Endrin	ND	0.114		0.0310
33213-65-9	Endosulfan II	ND	0.114		0.0200
72-54-8	4,4'-DDD	ND	0.114		0.0170
7421-93-4	Endrin aldehyde	ND	0.114		0.0240
50-29-3	4,4'-DDT	ND	0.114		0.0290
1031-07-8	Endosulfan sulfate	ND	0.114		0.0240
53494-70-5	Endrin ketone	ND	0.114		0.0210
72-43-5	Methoxychlor	ND	0.114		0.0320
8001-35-2	Toxaphene	ND	0.570		0.3315

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	87%
Initial Wt.(gms)	10.09
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 8081
PESTICIDES

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:** 700 Area	
Project Name:	700 Area	**MATRIX:** Soil	
Field ID:	B 49C2 0-6	**Ext. Batch:** 041904	
Lab ID:	4026005 10X	**Date Extracted:** 4/19/2004	
Filename:	04586.D	**Date Analyzed:** 20-Apr-04	
Lab Project :	40260	**Dilution:** 10	
		Analyst: A.A.	

CAS #	COMPOUNDS	RESULTS (mg/Kg)	Reporting Limit (mg/Kg)	Qualifier	MDL (mg/Kg)
319-84-6	alpha-BHC	ND	0.114		0.0170
319-85-7	beta-BHC	ND	0.114		0.0190
58-89-9	gamma-BHC	ND	0.114		0.0180
319-86-8	delta-BHC	ND	0.114		0.0200
76-44-8	Heptachlor	ND	0.114		0.0200
309-00-2	Aldrin	ND	0.114		0.0170
1024-57-3	Heptachlor epoxide	ND	0.114		0.0170
5103-74-2	gamma-Chlordane	ND	0.114		0.0160
5103-71-9	alpha-Chlordane	ND	0.114		0.0170
959-98-8	Endosulfan I	ND	0.114		0.0200
72-55-9	4,4'-DDE	ND	0.114		0.0180
60-57-1	Dieldrin	ND	0.114		0.0180
72-20-8	Endrin	ND	0.114		0.0310
33213-65-9	Endosulfan II	ND	0.114		0.0200
72-54-8	4,4'-DDD	ND	0.114		0.0170
7421-93-4	Endrin aldehyde	ND	0.114		0.0240
50-29-3	4,4'-DDT	ND	0.114		0.0290
1031-07-8	Endosulfan sulfate	ND	0.114		0.0240
53494-70-5	Endrin ketone	ND	0.114		0.0210
72-43-5	Methoxychlor	ND	0.114		0.0320
8001-35-2	Toxaphene	ND	0.570		0.3315

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

%SOLIDS	87%
Initial Wt.(gms)	10.09
Final Vol.(ml)	10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

LABORATORY DELIVERABLES CHECKLIST AND NON-CONFORMANCE SUMMARY

THIS FORM MUST BE COMPLETED BY THE LABORATORY OR ENVIRONMENTAL CONSULTANT AND ACCOMPANY ALL DATA SUBMISSIONS

The following Laboratory Deliverables Checklist and Non-Conformance Summary shall be included in the data submission. All deviations from the accepted methodology and procedures, of performance values outside acceptable ranges shall be summarized in the Non-Conformance Summary. The Technical Requirements for Site Remediation, effective June 7, 1993, provides further details. The document shall be bound and paginated, contain a table of contents, and all pages shall be legible. Incomplete data packages will be returned or held without review until the data package is completed.

It is recommended that the analytical results summary sheets listing all targeted and non-targeted compounds with the method detection limits, practical quantitation limits, and the laboratory and/or sample numbers be included in one section of the data package and in the main body of the report.

1.	Cover Page, Title Page listing Lab Certification #, facility name and address, & date of report submitted.	✓
2.	Table of Contents submitted.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds submitted.	✓
4.	Document paginated and legible.	✓
5.	Chain of Custody submitted.	✓
6.	Samples submitted to lab within 48 hours of sample collection.	✓
7.	Methodology Summary submitted.	✓
8.	Laboratory Chronicle and Holding Time Check submitted.	✓
9.	Results submitted on a dry weight basis.	✓
10.	Method Detection Limits submitted.	✓
11.	Lab certified by NJDEP for parameters of appropriate category of parameters or a member of the USEPA CLP.	✓

Laboratory Manager or Environmental Consultant's Signature 

Date: 4/22/04

Laboratory Certification # 13461

*Refer to NJAC 7:26E – Appendix A, Section IV – Reduced Data Deliverables – Non-USEPA/CLP Methods for further guidance.

Laboratory Authentication Statement

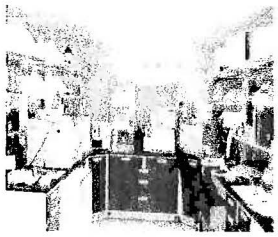
I certify under penalty of law, where applicable, that this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18 and 40 CFR Part 136 for Water and Wastewater Analyses and SW-846 for Solid Waste Analysis. I have personally examined the information contained in this report and to the best of my knowledge, I believe that the submitted information is true, accurate, complete and meets the above referenced standards where applicable. I am aware that there are significant penalties for purposefully submitting falsified information, including the possibility of a fine and imprisonment.



Daniel K. Wright
Laboratory Manager

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732) 532-4359 FAX: (732) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461, NYSDOH #11699



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 700 AREA

700 Area

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
B49 18-24"	4028801	Soil	23-April-04 09:25	04/23/04
B49B1 0-6"	4028802	Soil	23-April-04 09:30	04/23/04
B49B2 0-6"	4028803	Soil	23-April-04 09:40	04/23/04

ANALYSIS:

FORT MONMOUTH ENVIRONMENTAL LAB
ABN+25, % SOLIDS

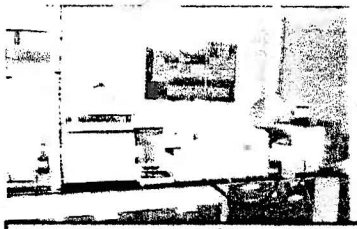
4-30-04
Daniel Wright/Date
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

Table of Contents

Section	Page
Chain of Custody	1-2
Method Summary	3-4
Laboratory Chronicle	5-6
Conformance/Non-Conformance Summary	7-9
Semivolatile Organics	10
Qualifiers	11
Results Summary	12-23
Calibration Tune Summary	24-31
Method Blank Summary	32
Surrogate Results Summary	33
MS/MSD Results Summary	34-37
Internal Standard Area & RT Summary	38-39
Raw Sample Data	40-47
Laboratory Deliverables Checklist	48
Laboratory Authentication Statement	49

CHAIN OF CUSTODY



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: D. Guenther
Phone #: x209816
( )DERA ( )OMA ( )Other:_____

Project No:
Location: 700 Area

Samplers Name / Company: George Boyce (TVS)

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	ABN+25	%Solids							Remarks / Preservation Method
40288 01	B49 18-24	4/23/04	9:25	Soil	1	X	X							
02	B49B1 0-6	"	0930	Soil	1	X	X							
03	B49B2 0-6	"	0940	Soil	1	X	X							

Analysis Parameters

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
George Boyce	4-23-04 1510				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, (X)Reduced, ( )Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: ( )Standard 3 wks, (X)Rush 1 WK Days, ( )ASAP Verbal ____ Hrs.

Remarks:

METHOD SUMMARY

Method Summary

EPA SW-846 Method 8270
Gas Chromatographic Determination of Semi-volatiles in Soil

Surrogates are added to a 10-gram soil sample that has been dried with sodium sulfate. The sample is then extracted using a soxtherm extractor. The extract is concentrated to 1 ml. Internal standards are added and the sample is injected into a GC/MS system. Semi-volatiles are identified and quantitated. The final concentration is calculated using soil weight, percent moisture and concentration.

LABORATORY CHRONICLE

000005

Laboratory Chronicle

Lab ID: 40288 **Site:** 700 Area

	Date	Hold Time
Date Sampled	04/23/04	NA
Receipt/Refrigeration	04/23/04	NA
Extraction		
1. ABN	04/26/04	14 days
Analyses		
1. ABN	04/27/04	40 days

CONFORMANCE/ NON-CONFORMANCE SUMMARY

GC/MS ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT

Indicate Yes, No, N/A

1. Chromatograms labeled/Compounds identified (Field samples and method blanks) — yes
2. Retention times for chromatograms provided — yes
3. GC/MS Tune Specifications
   a. BFB Meet Criteria — NA
   b. DFTPP Meet Criteria — yes
4. GC/MS Tuning Frequency – Performed every 24 hours for 600 series and 12 hours for 8000 series — yes
5. GC/MS Calibration – Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series — yes
6. GC/MS Calibration requirements
   a. Calibration Check Compounds Meet Criteria — yes
   b. System Performance Check Compounds Meet Criteria — yes
7. Blank Contamination – If yes, List compounds and concentrations in each blank: — NO
   a. VOA Fraction NA
   b. B/N Fraction _____
   c. Acid Fraction _____
8. Surrogate Recoveries Meet Criteria — yes

   If not met, list those compounds and their recoveries, which fall outside the acceptable range:
   a. VOA Fraction NA
   b. B/N Fraction _____
   c. Acid Fraction _____

   If not met, were the calculations checked and the results qualified as "estimated"? _____
9. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria (If not met, list those compounds and their recoveries, which fall outside the acceptable range) — NO
   a. VOA Fraction NA
   b. B/N Fraction various rec. outside criteria
   c. Acid Fraction See form. LCS included

GC/MS ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT (cont.)

Indicate
Yes, No, N/A

10. Internal Standard Area/Retention Time Shift Meet Criteria — yes
(If not met, list those compounds, which fall outside the acceptable range)

a. VOA Fraction_____
b. B/N Fraction_____
c. Acid Fraction_____

11. Extraction Holding Time Met — yes

If not met, list the number of days exceeded for each sample:_____
_____
_____

12. Analysis Holding Time Met — yes

If not met, list the number of days exceeded for each sample:_____
_____
_____

Additional Comments:
_____
_____
_____

Laboratory Manager:_____ Date: 4-30-04

SEMI-VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:
(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.
(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MB-042604-01

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40288 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-042604-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09904.D

Level: (low/med) LOW Date Received: 4/23/2004

% Moisture: 0 decanted:(Y/N) N Date Extracted: 4/26/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/27/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1000	U
62-75-9	N-nitroso-dimethylamine	1000	U
62-53-3	Aniline	1000	U
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)ether	1000	U
95-57-8	2-Chlorophenol	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
100-51-6	Benzyl alcohol	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
95-48-7	2-Methylphenol	1000	U
39638-32-9	bis(2-chloroisopropyl)ether	1000	U
106-44-5	4-Methylphenol	1000	U
621-64-7	n-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
111-91-1	bis(2-Chloroethoxy)methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
65-85-0	Benzoic Acid	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
59-50-7	4-Chloro-3-methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	1000	U
208-96-8	Acenaphthylene	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	1000	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MB-042604-01

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40288 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-042604-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09904.D

Level: (low/med) LOW Date Received: 4/23/2004

% Moisture: 0 decanted:(Y/N) N Date Extracted: 4/26/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/27/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1000	U
51-28-5	2,4-Dinitrophenol	1000	U
132-64-9	Dibenzofuran	1000	U
100-02-7	4-Nitrophenol	1000	U
121-14-2	2,4-Dinitrotoluene	1000	U
84-66-2	Diethylphthalate	1000	U
86-73-7	Fluorene	1000	U
7005-72-3	4-Chlorophenyl-phenylether	1000	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	n-Nitrosodiphenylamine	1000	U
103-33-3	Azobenzene	1000	U
101-55-3	4-Bromophenyl-phenylether	1000	U
118-74-1	Hexachlorobenzene	1000	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	1000	U
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	1000	U
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MB-042604-01

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40288 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-042604-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09904.D

Level: (low/med) LOW Date Received: 4/23/2004

% Moisture: 0 decanted: (Y/N) N Date Extracted: 4/26/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/27/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.94	670	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.78	430	JN
3. 005717-37-3	(Carbethoxyethylidine)triphenylph	28.01	500	JN

000014

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40288 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4028801

Sample wt/vol: 10.11 (g/ml) G Lab File ID: BNA09912.D

Level: (low/med) LOW Date Received: 4/23/2004

% Moisture: 12.94 decanted:(Y/N) N Date Extracted: 4/26/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/27/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
95-48-7	2-Methylphenol	1100	U
39638-32-9	bis(2-chloroisopropyl)ether	1100	U
106-44-5	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40288 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4028801

Sample wt/vol: 10.11 (g/ml) G Lab File ID: BNA09912.D

Level: (low/med) LOW Date Received: 4/23/2004

% Moisture: 12.94 decanted:(Y/N) N Date Extracted: 4/26/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/27/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1100	U
206-44-0	Fluoranthene	410	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	360	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	200	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	250	J
117-81-7	bis(2-Ethylhexyl)phthalate	1100	U
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	330	J
207-08-9	Benzo[k]fluoranthene	98	J
50-32-8	Benzo[a]pyrene	200	J
193-39-5	Indeno[1,2,3-cd]pyrene	100	J
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	97	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B49

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40288 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4028801

Sample wt/vol: 10.11 (g/ml) G Lab File ID: BNA09912.D

Level: (low/med) LOW Date Received: 4/23/2004

% Moisture: 12.94 decanted: (Y/N) N Date Extracted: 4/26/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/27/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.94	910	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49B1

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40288 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4028802

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BNA09913.D

Level: (low/med) LOW Date Received: 4/23/2004

% Moisture: 9.65 decanted:(Y/N) N Date Extracted: 4/26/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/27/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
95-48-7	2-Methylphenol	1100	U
39638-32-9	bis(2-chloroisopropyl)ether	1100	U
106-44-5	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49B1

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40288 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4028802

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BNA09913.D

Level: (low/med) LOW Date Received: 4/23/2004

% Moisture: 9.65 decanted:(Y/N) N Date Extracted: 4/26/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/27/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	300	J
120-12-7	Anthracene	88	J
84-74-2	Di-n-butylphthalate	1100	U
206-44-0	Fluoranthene	1000	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1000	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	580	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	670	J
117-81-7	bis(2-Ethylhexyl)phthalate	81	J
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	830	J
207-08-9	Benzo[k]fluoranthene	350	J
50-32-8	Benzo[a]pyrene	600	J
193-39-5	Indeno[1,2,3-cd]pyrene	240	J
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	240	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B49B1

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40288 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4028802

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BNA09913.D

Level: (low/med) LOW Date Received: 4/23/2004

% Moisture: 9.65 decanted: (Y/N) N Date Extracted: 4/26/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/27/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 7 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.95	930	J
2. 056554-87-1	16-Octadecenal	30.00	1900	JN
3. 000629-92-5	Nonadecane	30.38	800	JN
4. 000192-97-2	Benzo[e]pyrene	30.66	440	JN
5. 000000-00-0	1-Hexacosanal	31.48	1600	JN
6. 000593-45-3	Octadecane	31.88	1500	JN
7. 000629-94-7	Heneicosane	33.87	460	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49B2

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40288 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4028803

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09914.D

Level: (low/med) LOW Date Received: 4/23/2004

% Moisture: 12.64 decanted:(Y/N) N Date Extracted: 4/26/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/27/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
95-48-7	2-Methylphenol	1100	U
39638-32-9	bis(2-chloroisopropyl)ether	1100	U
106-44-5	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	980	J
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49B2

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40288 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4028803

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09914.D

Level: (low/med) LOW Date Received: 4/23/2004

% Moisture: 12.64 decanted:(Y/N) N Date Extracted: 4/26/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/27/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	200	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	970	J
206-44-0	Fluoranthene	740	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	730	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	410	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	470	J
117-81-7	bis(2-Ethylhexyl)phthalate	110	J
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	640	J
207-08-9	Benzo[k]fluoranthene	220	J
50-32-8	Benzo[a]pyrene	410	J
193-39-5	Indeno[1,2,3-cd]pyrene	160	J
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	150	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B49B2

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40288 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4028803

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09914.D

Level: (low/med) LOW Date Received: 4/23/2004

% Moisture: 12.64 decanted: (Y/N) N Date Extracted: 4/26/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/27/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 11 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.94	960	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.79	1000	JN
3. 074685-33-9	3-Eicosene, (E)-	27.43	540	JN
4. 000593-49-7	Heptacosane	28.96	470	JN
5. 000000-00-0	1-Hexacosanal	30.00	2600	JN
6. 000646-31-1	Tetracosane	30.38	1100	JN
7. 000297-03-0	Cyclotetracosane	30.44	1000	JN
8. 007390-81-0	Oxirane, hexadecyl-	31.47	870	JN
9. 000593-45-3	Octadecane	31.89	2200	JN
10. 000124-25-4	Tetradecanal	33.35	710	JN
11. 014167-59-0	Tetratriacontane	33.87	810	JN

LABORATORY DELIVERABLES CHECKLIST AND NON-CONFORMANCE SUMMARY

THIS FORM MUST BE COMPLETED BY THE LABORATORY OR ENVIRONMENTAL CONSULTANT AND ACCOMPANY ALL DATA SUBMISSIONS

The following Laboratory Deliverables Checklist and Non-Conformance Summary shall be included in the data submission. All deviations from the accepted methodology and procedures, of performance values outside acceptable ranges shall be summarized in the Non-Conformance Summary. The Technical Requirements for Site Remediation, effective June 7, 1993, provides further details. The document shall be bound and paginated, contain a table of contents, and all pages shall be legible. Incomplete data packages will be returned or held without review until the data package is completed.

It is recommended that the analytical results summary sheets listing all targeted and non-targeted compounds with the method detection limits, practical quantitation limits, and the laboratory and/or sample numbers be included in one section of the data package and in the main body of the report.

1.	Cover Page, Title Page listing Lab Certification #, facility name and address, & date of report submitted.	✓
2.	Table of Contents submitted.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds submitted.	✓
4.	Document paginated and legible.	✓
5.	Chain of Custody submitted.	✓
6.	Samples submitted to lab within 48 hours of sample collection.	✓
7.	Methodology Summary submitted.	✓
8.	Laboratory Chronicle and Holding Time Check submitted.	✓
9.	Results submitted on a dry weight basis.	✓
10.	Method Detection Limits submitted.	✓
11.	Lab certified by NJDEP for parameters of appropriate category of parameters or a member of the USEPA CLP.	✓

Laboratory Manager or Environmental Consultant's Signature _____

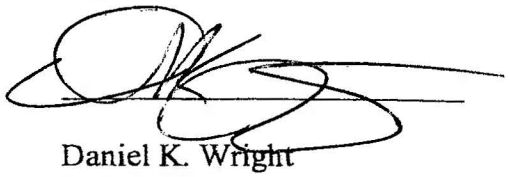
Date: 4 / 30 / 04

Laboratory Certification # 13461

*Refer to NJAC 7:26E – Appendix A, Section IV – Reduced Data Deliverables – Non-USEPA/CLP Methods for further guidance.

Laboratory Authentication Statement

I certify under penalty of law, where applicable, that this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18 and 40 CFR Part 136 for Water and Wastewater Analyses and SW-846 for Solid Waste Analysis. I have personally examined the information contained in this report and to the best of my knowledge, I believe that the submitted information is true, accurate, complete and meets the above referenced standards where applicable. I am aware that there are significant penalties for purposefully submitting falsified information, including the possibility of a fine and imprisonment.



Daniel K. Wright
Laboratory Manager

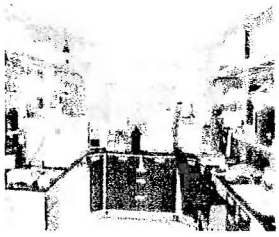
FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732) 532-4359 FAX: (732) 532-6263

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

CERTIFICATIONS: NJDEP #13461, NYSDOH #11699



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 700 AREA

700 Area

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
B30-PX1, Bottom	4032301	Soil	04-May-04 09:50	05/04/04
B49-PX1, Bottom	4032302	Soil	04-May-04 10:55	05/04/04

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
ABN+25, % SOLIDS

5-14-04

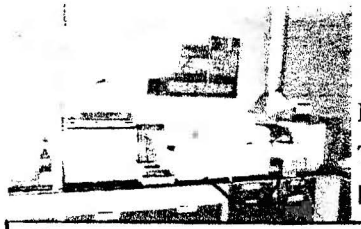
Daniel Wright Date
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

Table of Contents

Section	Pages
Chain of Custody	1-2
Method Summary	3-4
Laboratory Chronicle	5-6
Conformance/Non-Conformance Summary	7-9
Semivolatile Organics	10
Qualifiers	11
Results Summary	12-20
Calibration Summary	21-32
Method Blank Summary	33
Surrogate Results Summary	34
MS/MSD Results Summary	35-36
Internal Standard Area & RT Summary	37-40
Raw Sample Data	41-46
Laboratory Deliverables Checklist	47
Laboratory Authentication Statement	48

CHAIN OF CUSTODY



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: DOUG GUENTHER | Project No: 04-29929
Phone #: X20986 | Location: 700 AREA
( )DERA ( )OMA (X)Other: ACI
Samplers Name / Company: FRANK ACCORSI - TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: SVOA							DEPTH (FT)	Comments: Remarks / Preservation Method
40323 01	B30-PX1, BOTTOM	5-4-04	0950	SOIL	1	X							1-1.5	
40323 02	B49-PX1, BOTTOM	"	1055	"	1	X							1.5-2	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Frank Accorsi	5-4-04 1114				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (X)Reduced, (_)Standard, (_)Screen / non-certified, (_)EDD
Turnaround time: (X)Standard 3 wks, (_)Rush ____ Days, (_)ASAP Verbal ____Hrs.

Remarks:

000002

print legibly

METHOD SUMMARY

Method Summary

EPA SW-846 Method 8270
Gas Chromatographic Determination of Semi-volatiles in Soil

Surrogates are added to a 10-gram soil sample that has been dried with sodium sulfate. The sample is then extracted using a soxtherm extractor. The extract is concentrated to 1 ml. Internal standards are added and the sample is injected into a GC/MS system. Semi-volatiles are identified and quantitated. The final concentration is calculated using soil weight, percent moisture and concentration.

LABORATORY CHRONICLE

Laboratory Chronicle

Lab ID: 40323 **Site:** 700 Area

	Date	Hold Time
Date Sampled	05/04/04	NA
Receipt/Refrigeration	05/04/04	NA
Extraction		
1. ABN	05/10/04	14 days
Analyses		
1. ABN	05/10,11/04	40 days

CONFORMANCE/ NON-CONFORMANCE SUMMARY

GC/MS ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT

	Indicate Yes, No, N/A
1. Chromatograms labeled/Compounds identified (Field samples and method blanks)	yes
2. Retention times for chromatograms provided	yes
3. GC/MS Tune Specifications	
a. BFB Meet Criteria	NA
b. DFTPP Meet Criteria	yes
4. GC/MS Tuning Frequency – Performed every 24 hours for 600 series and 12 hours for 8000 series	yes
5. GC/MS Calibration – Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series	yes
6. GC/MS Calibration requirements	
a. Calibration Check Compounds Meet Criteria	yes
b. System Performance Check Compounds Meet Criteria	yes
7. Blank Contamination – If yes, List compounds and concentrations in each blank:	yes
a. VOA Fraction NA	
b. B/N Fraction Dibutylphthalate 830J ppb	
c. Acid Fraction	
8. Surrogate Recoveries Meet Criteria	yes
If not met, list those compounds and their recoveries, which fall outside the acceptable range:	
a. VOA Fraction NA	
b. B/N Fraction	
c. Acid Fraction	
If not met, were the calculations checked and the results qualified as "estimated"?	
9. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria (If not met, list those compounds and their recoveries, which fall outside the acceptable range)	no
a. VOA Fraction NA	
b. B/N Fraction 3,3'Dichlorobenzidine MS 17% MSD 15%, 4,N Toluidine MSD 8% RPD 126	
c. Acid Fraction Dibutyl MS 1% MSD 6% Benzidine No recovery	

GC/MS ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT (cont.)

Indicate
Yes, No, N/A

10. Internal Standard Area/Retention Time Shift Meet Criteria — Yes
(If not met, list those compounds, which fall outside the acceptable range)

    a. VOA Fraction NA
    b. B/N Fraction _____
    c. Acid Fraction _____

11. Extraction Holding Time Met — Yes

If not met, list the number of days exceeded for each sample: _____

12. Analysis Holding Time Met — Yes

If not met, list the number of days exceeded for each sample: _____

Additional Comments:

Laboratory Manager: _____ Date: 5-14-04

SEMI-VOLATILE ORGANICS

000010

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:

(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.

(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MB-051004-01

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40323 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-051004-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09965.D

Level: (low/med) LOW Date Received: 5/4/2004

% Moisture: 0 decanted:(Y/N) N Date Extracted: 5/10/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/10/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1000	U
62-75-9	N-nitroso-dimethylamine	1000	U
62-53-3	Aniline	1000	U
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)ether	1000	U
95-57-8	2-Chlorophenol	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
100-51-6	Benzyl alcohol	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
95-48-7	2-Methylphenol	1000	U
39638-32-9	bis(2-chloroisopropyl)ether	1000	U
106-44-5	4-Methylphenol	1000	U
621-64-7	n-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
111-91-1	bis(2-Chloroethoxy)methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
65-85-0	Benzoic Acid	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
59-50-7	4-Chloro-3-methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	1000	U
208-96-8	Acenaphthylene	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	1000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-051004-01

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40323 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-051004-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09965.D

Level: (low/med) LOW Date Received: 5/4/2004

% Moisture: 0 decanted:(Y/N) N Date Extracted: 5/10/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/10/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1000	U
51-28-5	2,4-Dinitrophenol	1000	U
132-64-9	Dibenzofuran	1000	U
100-02-7	4-Nitrophenol	1000	U
121-14-2	2,4-Dinitrotoluene	1000	U
84-66-2	Diethylphthalate	1000	U
86-73-7	Fluorene	1000	U
7005-72-3	4-Chlorophenyl-phenylether	1000	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	n-Nitrosodiphenylamine	1000	U
103-33-3	Azobenzene	1000	U
101-55-3	4-Bromophenyl-phenylether	1000	U
118-74-1	Hexachlorobenzene	1000	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	8300	
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	1000	U
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MB-051004-01

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40323 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: MB-051004-01

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA09965.D

Level: (low/med) LOW Date Received: 5/4/2004

% Moisture: 0 decanted: (Y/N) N Date Extracted: 5/10/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/10/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.70	810	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.76	2200	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B30-PX1

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40323 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4032301

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BNA09978.D

Level: (low/med) LOW Date Received: 5/4/2004

% Moisture: 16.24 decanted:(Y/N) N Date Extracted: 5/10/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/11/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-chloroisopropyl)ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	370	J
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B30-PX1

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40323 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4032301

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BNA09978.D

Level: (low/med) LOW Date Received: 5/4/2004

% Moisture: 16.24 decanted:(Y/N) N Date Extracted: 5/10/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/11/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
50-32-8	Benzo[a]pyrene	1200	U
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B30-PX1

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40323 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4032301

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BNA09978.D

Level: (low/med) LOW Date Received: 5/4/2004

% Moisture: 16.24 decanted: (Y/N) N Date Extracted: 5/10/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/11/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.72	820	J
2. 000630-03-5	Nonacosane	30.35	530	JN
3. 000629-94-7	Heneicosane	31.84	800	JN
4.	unknown	33.80	470	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49-PX2

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40323 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4032302

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BNA09999.D

Level: (low/med) LOW Date Received: 5/4/2004

% Moisture: 10.47 decanted:(Y/N) N Date Extracted: 5/10/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/11/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
95-48-7	2-Methylphenol	1100	U
39638-32-9	bis(2-chloroisopropyl)ether	1100	U
106-44-5	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B49-PX2

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40323 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4032302

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BNA09999.D

Level: (low/med) LOW Date Received: 5/4/2004

% Moisture: 10.47 decanted:(Y/N) N Date Extracted: 5/10/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/11/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	260	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1100	U
206-44-0	Fluoranthene	750	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	670	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	400	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	440	J
117-81-7	bis(2-Ethylhexyl)phthalate	1100	U
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	500	J
207-08-9	Benzo[k]fluoranthene	180	J
50-32-8	Benzo[a]pyrene	370	J
193-39-5	Indeno[1,2,3-cd]pyrene	170	J
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	170	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B49-PX2

Lab Name: FMETL Project: UST

Lab Code: 13461 Case No.: 40323 Location: 700 Ar SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4032302

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BNA09999.D

Level: (low/med) LOW Date Received: 5/4/2004

% Moisture: 10.47 decanted: (Y/N) N Date Extracted: 5/10/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/11/2004

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.72	790	J
2.	unknown	6.92	590	J
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.75	730	JN
4. 000791-28-6	Phosphine oxide, triphenyl-	27.97	570	JN

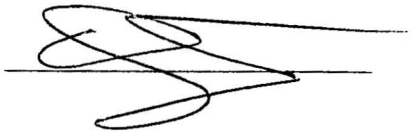
LABORATORY DELIVERABLES CHECKLIST AND NON-CONFORMANCE SUMMARY

THIS FORM MUST BE COMPLETED BY THE LABORATORY OR ENVIRONMENTAL CONSULTANT AND ACCOMPANY ALL DATA SUBMISSIONS

The following Laboratory Deliverables Checklist and Non-Conformance Summary shall be included in the data submission. All deviations from the accepted methodology and procedures, of performance values outside acceptable ranges shall be summarized in the Non-Conformance Summary. The Technical Requirements for Site Remediation, effective June 7, 1993, provides further details. The document shall be bound and paginated, contain a table of contents, and all pages shall be legible. Incomplete data packages will be returned or held without review until the data package is completed.

It is recommended that the analytical results summary sheets listing all targeted and non-targeted compounds with the method detection limits, practical quantitation limits, and the laboratory and/or sample numbers be included in one section of the data package <u>and</u> in the main body of the report.

1.	Cover Page, Title Page listing Lab Certification #, facility name and address, & date of report submitted.	✓
2.	Table of Contents submitted.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds submitted.	✓
4.	Document paginated and legible.	✓
5.	Chain of Custody submitted.	✓
6.	Samples submitted to lab within 48 hours of sample collection.	✓
7.	Methodology Summary submitted.	✓
8.	Laboratory Chronicle and Holding Time Check submitted.	✓
9.	Results submitted on a dry weight basis.	✓
10.	Method Detection Limits submitted.	✓
11.	Lab certified by NJDEP for parameters of appropriate category of parameters or a member of the USEPA CLP.	✓

Laboratory Manager or Environmental Consultant's Signature 

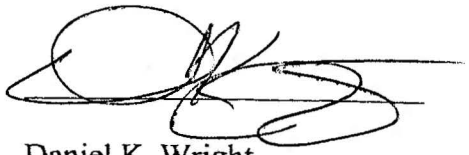
Date: 5/14/04

Laboratory Certification # 13461

*Refer to NJAC 7:26E – Appendix A, Section IV – Reduced Data Deliverables – Non-USEPA/CLP Methods for further guidance.

Laboratory Authentication Statement

I certify under penalty of law, where applicable, that this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18 and 40 CFR Part 136 for Water and Wastewater Analyses and SW-846 for Solid Waste Analysis. I have personally examined the information contained in this report and to the best of my knowledge, I believe that the submitted information is true, accurate, complete and meets the above referenced standards where applicable. I am aware that there are significant penalties for purposefully submitting falsified information, including the possibility of a fine and imprisonment.



Daniel K. Wright
Laboratory Manager

ATTACHMENT O

Compliance Averaging of RCI Area 700 Soil Results

Summary of Compliance Averaging of Select Analytes in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Analyte Group	Analyte	Compliance Average [1/]	RDCSRS [2/]	Is Average > RDCSRS?
PCBs (mg/kg)				
	Aroclor 1260 (0 to 6"):	0.14	0.2	No
Pesticides (mg/kg)				
	4,4'-DDE (0 to 6"):	0.15	2	No
	4,4'-DDE (> 6"):	0.02	2	No
	alpha-Chlordane (0 to 6"):	0.07	0.2	No
	alpha-Chlordane (> 6"):	0.01	0.2	No
	gamma-Chlordane (0 to 6"):	0.19	0.2	No
	gamma-Chlordane (> 6"):	0.01	0.2	No
	Heptachlor (0 to 6"):	0.29	0.1	Yes
	Heptachlor (> 6"):	0.01	0.1	No
	Heptachlor Epoxide (0 to 6"):	0.05	0.07	No
	Heptachlor Epoxide (> 6"):	0.01	0.07	No
SVOCs (ug/kg)				
	Benzo[a]pyrene (0 to 6"):	137	200	No
	Benzo[a]pyrene (> 6"):	150	200	No
	Benzo[b]fluoranthene (0 to 6"):	196	600	No
	Benzo[b]fluoranthene (> 6"):	211	600	No

[1/] Compliance averages were calculated as the arithmetic mean of the specific data presented in the attached tables:
- Compliance Averaging of Select PCBs in 700 Area Soils
- Compliance Averaging of Select Pesticides in 700 Area Soils
- Compliance Averaging of Select SVOCs in 700 Area Soils

[2/] RDCSRS = Residential Direct Contact Soil Remediation Standard

Compliance Averaging of Select PCBs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Shading indicates the Result exceeds the residential direct contact soil remediation standard (RDCSRS).

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Flag	RL	MDL	Value Used for Compliance Averaging	Unit	Notes
B41	0 to 6"	Aroclor 1260	***0.2***	0.047		0.05	0.004	0.047	mg/Kg	
B42	0 to 6"	Aroclor 1260	***0.2***	0.034		0.05	0.004	0.034	mg/Kg	
B43	0 to 6"	Aroclor 1260	***0.2***	0.073		0.05	0.004	0.073	mg/Kg	
B44	0 to 6"	Aroclor 1260	***0.2***	0.25		0.05	0.004	0.25	mg/Kg	
B45	0 to 6"	Aroclor 1260	***0.2***	0.12		0.05	0.004	0.12	mg/Kg	
B46	0 to 6"	Aroclor 1260	***0.2***	0.68		0.05	0.004	0.68	mg/Kg	
B47	0 to 6"	Aroclor 1260	***0.2***	0.021		0.05	0.005	0.021	mg/Kg	
B48	0 to 6"	Aroclor 1260	***0.2***	0.05	U	0.05	0.004	0.002	mg/Kg	
B49	0 to 6"	Aroclor 1260	***0.2***	0.45		0.05	0.005	0.0025	mg/Kg	Soil removed; use MDL
							Average Aroclor 1260 (0 to 6"):	0.137		
							Residential RDCSRS:	0.2		

Compliance Averaging of Select Pesticides in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Shading indicates the Result exceeds the residential direct contact soil remediation standard (RDCSRS).

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	RL	MDL	Value Used for Compliance Averaging	Unit	Notes
B1	0 to 6"	4,4'-DDE	***2***	0.1	0.12	0.02	0.1	mg/Kg	
B10	0 to 6"	4,4'-DDE	***2***	ND	0.14	0.02	0.01	mg/Kg	
B11	0 to 6"	4,4'-DDE	***2***	0.022	0.12	0.02	0.022	mg/Kg	
B12	0 to 6"	4,4'-DDE	***2***	0.034	0.16	0.03	0.034	mg/Kg	
B13	0 to 6"	4,4'-DDE	***2***	0.061	0.12	0.02	0.061	mg/Kg	
B14	0 to 6"	4,4'-DDE	***2***	0.32	0.12	0.02	0.32	mg/Kg	
B15	0 to 6"	4,4'-DDE	***2***	ND	0.12	0.02	0.01	mg/Kg	
B16	0 to 6"	4,4'-DDE	***2***	ND	0.13	0.02	0.01	mg/Kg	
B17	0 to 6"	4,4'-DDE	***2***	0.042	0.13	0.02	0.042	mg/Kg	
B18	0 to 6"	4,4'-DDE	***2***	0.059	0.12	0.02	0.059	mg/Kg	
B19	0 to 6"	4,4'-DDE	***2***	0.033	0.13	0.02	0.033	mg/Kg	
B2	0 to 6"	4,4'-DDE	***2***	0.011	0.01	0.002	0.011	mg/Kg	
B20	0 to 6"	4,4'-DDE	***2***	0.08	0.15	0.03	0.08	mg/Kg	
B21	0 to 6"	4,4'-DDE	***2***	0.057	0.11	0.02	0.057	mg/Kg	
B22	0 to 6"	4,4'-DDE	***2***	ND	0.13	0.02	0.01	mg/Kg	
B23	0 to 6"	4,4'-DDE	***2***	ND	0.13	0.02	0.01	mg/Kg	
B24	0 to 6"	4,4'-DDE	***2***	ND	0.13	0.02	0.01	mg/Kg	
B25	0 to 6"	4,4'-DDE	***2***	ND	0.12	0.02	0.01	mg/Kg	
B26	0 to 6"	4,4'-DDE	***2***	ND	0.13	0.02	0.01	mg/Kg	
B27	0 to 6"	4,4'-DDE	***2***	0.076	0.17	0.03	0.076	mg/Kg	
B28	0 to 6"	4,4'-DDE	***2***	0.17	0.13	0.02	0.17	mg/Kg	
B29	0 to 6"	4,4'-DDE	***2***	0.15	0.14	0.02	0.15	mg/Kg	
B3	0 to 6"	4,4'-DDE	***2***	0.0078	0.01	0.002	0.0078	mg/Kg	
B30	0 to 6"	4,4'-DDE	***2***	0.054	0.13	0.02	0.054	mg/Kg	Soil removed
B30A	0 to 6"	4,4'-DDE	***2***	0.34	0.12	0.02	0.34	mg/Kg	
B30B	0 to 6"	4,4'-DDE	***2***	0.029	0.12	0.02	0.029	mg/Kg	
B30C	0 to 6"	4,4'-DDE	***2***	0.04	0.12	0.02	0.04	mg/Kg	
B30D	0 to 6"	4,4'-DDE	***2***	0.083	0.13	0.02	0.083	mg/Kg	
B31	0 to 6"	4,4'-DDE	***2***	0.087	0.13	0.02	0.087	mg/Kg	
B32	0 to 6"	4,4'-DDE	***2***	0.14	0.13	0.02	0.14	mg/Kg	
B33	0 to 6"	4,4'-DDE	***2***	0.56	0.13	0.02	0.56	mg/Kg	
B34	0 to 6"	4,4'-DDE	***2***	0.17	0.14	0.02	0.17	mg/Kg	
B35	0 to 6"	4,4'-DDE	***2***	ND	0.12	0.02	0.01	mg/Kg	
B36	0 to 6"	4,4'-DDE	***2***	0.1	0.12	0.02	0.1	mg/Kg	
B37	0 to 6"	4,4'-DDE	***2***	0.2	0.14	0.02	0.2	mg/Kg	
B38	0 to 6"	4,4'-DDE	***2***	0.71	0.12	0.02	0.71	mg/Kg	
B39	0 to 6"	4,4'-DDE	***2***	2.1	0.11	0.02	2.1	mg/Kg	
B4	0 to 6"	4,4'-DDE	***2***	0.046	0.18	0.03	0.046	mg/Kg	
B40	0 to 6"	4,4'-DDE	***2***	0.45	0.13	0.02	0.45	mg/Kg	
B41	0 to 6"	4,4'-DDE	***2***	ND	0.12	0.02	0.01	mg/Kg	
B42	0 to 6"	4,4'-DDE	***2***	0.024	0.12	0.02	0.024	mg/Kg	
B43	0 to 6"	4,4'-DDE	***2***	0.092	0.12	0.02	0.092	mg/Kg	
B44	0 to 6"	4,4'-DDE	***2***	ND	0.11	0.02	0.01	mg/Kg	
B45	0 to 6"	4,4'-DDE	***2***	ND	0.12	0.02	0.01	mg/Kg	
B46	0 to 6"	4,4'-DDE	***2***	0.66	0.12	0.02	0.66	mg/Kg	
B47	0 to 6"	4,4'-DDE	***2***	0.055	0.13	0.02	0.055	mg/Kg	
B48	0 to 6"	4,4'-DDE	***2***	ND	0.12	0.02	0.01	mg/Kg	
B49	0 to 6"	4,4'-DDE	***2***	0.043	0.13	0.02	0.043	mg/Kg	Soil removed
B49A	0 to 6"	4,4'-DDE	***2***	0.033	0.13	0.02	0.033	mg/Kg	

Compliance Averaging of Select Pesticides in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	RL	MDL	Value Used for Compliance Averaging	Unit	Notes
B49B	0 to 6"	4,4'-DDE	***2***	0.035	0.12	0.02	0.035	mg/Kg	Soil removed
B49C	0 to 6"	4,4'-DDE	***2***	ND	0.11	0.02	0.01	mg/Kg	Soil removed
B49C1	0 to 6"	4,4'-DDE	***2***	ND	0.11	0.02	0.01	mg/Kg	
B49C2	0 to 6"	4,4'-DDE	***2***	ND	0.11	0.02	0.01	mg/Kg	
B49C3	0 to 6"	4,4'-DDE	***2***	ND	0.11	0.02	0.01	mg/Kg	
B49D	0 to 6"	4,4'-DDE	***2***	0.047	0.11	0.02	0.047	mg/Kg	
B5	0 to 6"	4,4'-DDE	***2***	0.89	0.13	0.02	0.89	mg/Kg	
B6	0 to 6"	4,4'-DDE	***2***	0.23	0.14	0.02	0.23	mg/Kg	
B7	0 to 6"	4,4'-DDE	***2***	ND	0.12	0.02	0.01	mg/Kg	
B8	0 to 6"	4,4'-DDE	***2***	ND	0.16	0.03	0.015	mg/Kg	
B9	0 to 6"	4,4'-DDE	***2***	0.3	0.11	0.02	0.3	mg/Kg	
						Average 4,4'-DDE (0 to 6"):	0.149		
						Residential RDCSRS:	2		
B30	12" to 16"	4,4'-DDE	***2***	0.025	0.12	0.02	0.025	mg/Kg	
B49	12" to 16"	4,4'-DDE	***2***	ND	0.12	0.02	0.01	mg/Kg	Soil removed
						Average 4,4'-DDE (> 6"):	0.018		
						Residential RDCSRS:	2		
B1	0 to 6"	alpha-Chlordane	***0.2***	0.061	0.12	0.02	0.061	mg/Kg	
B10	0 to 6"	alpha-Chlordane	***0.2***	0.11	0.14	0.02	0.11	mg/Kg	
B11	0 to 6"	alpha-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B12	0 to 6"	alpha-Chlordane	***0.2***	ND	0.16	0.03	0.015	mg/Kg	
B13	0 to 6"	alpha-Chlordane	***0.2***	0.18	0.12	0.02	0.18	mg/Kg	
B14	0 to 6"	alpha-Chlordane	***0.2***	1	0.12	0.02	1	mg/Kg	
B15	0 to 6"	alpha-Chlordane	***0.2***	0.072	0.12	0.02	0.072	mg/Kg	
B16	0 to 6"	alpha-Chlordane	***0.2***	0.079	0.13	0.02	0.079	mg/Kg	
B17	0 to 6"	alpha-Chlordane	***0.2***	0.12	0.13	0.02	0.12	mg/Kg	
B18	0 to 6"	alpha-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B19	0 to 6"	alpha-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B2	0 to 6"	alpha-Chlordane	***0.2***	0.038	0.01	0.002	0.038	mg/Kg	
B20	0 to 6"	alpha-Chlordane	***0.2***	0.2	0.15	0.03	0.2	mg/Kg	
B21	0 to 6"	alpha-Chlordane	***0.2***	ND	0.11	0.02	0.01	mg/Kg	
B22	0 to 6"	alpha-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B23	0 to 6"	alpha-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B24	0 to 6"	alpha-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B25	0 to 6"	alpha-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B26	0 to 6"	alpha-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B27	0 to 6"	alpha-Chlordane	***0.2***	ND	0.17	0.03	0.015	mg/Kg	
B28	0 to 6"	alpha-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B29	0 to 6"	alpha-Chlordane	***0.2***	ND	0.14	0.02	0.01	mg/Kg	
B3	0 to 6"	alpha-Chlordane	***0.2***	0.056	0.01	0.002	0.056	mg/Kg	
B30	0 to 6"	alpha-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	Soil removed
B30A	0 to 6"	alpha-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B30B	0 to 6"	alpha-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B30C	0 to 6"	alpha-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B30D	0 to 6"	alpha-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B31	0 to 6"	alpha-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B32	0 to 6"	alpha-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B33	0 to 6"	alpha-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	

Compliance Averaging of Select Pesticides in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	RL	MDL	Value Used for Compliance Averaging	Unit	Notes
B34	0 to 6"	alpha-Chlordane	***0.2***	ND	0.14	0.02	0.01	mg/Kg	
B35	0 to 6"	alpha-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B36	0 to 6"	alpha-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B37	0 to 6"	alpha-Chlordane	***0.2***	ND	0.14	0.02	0.01	mg/Kg	
B38	0 to 6"	alpha-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B39	0 to 6"	alpha-Chlordane	***0.2***	ND	0.11	0.02	0.01	mg/Kg	
B4	0 to 6"	alpha-Chlordane	***0.2***	ND	0.18	0.03	0.015	mg/Kg	
B40	0 to 6"	alpha-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B41	0 to 6"	alpha-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B42	0 to 6"	alpha-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B43	0 to 6"	alpha-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B44	0 to 6"	alpha-Chlordane	***0.2***	0.045	0.11	0.02	0.045	mg/Kg	
B45	0 to 6"	alpha-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B46	0 to 6"	alpha-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B47	0 to 6"	alpha-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B48	0 to 6"	alpha-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B49	0 to 6"	alpha-Chlordane	***0.2***	0.062	0.13	0.02	0.062	mg/Kg	Soil removed
B49A	0 to 6"	alpha-Chlordane	***0.2***	0.074	0.13	0.02	0.074	mg/Kg	
B49B	0 to 6"	alpha-Chlordane	***0.2***	0.052	0.12	0.02	0.052	mg/Kg	Soil removed
B49C	0 to 6"	alpha-Chlordane	***0.2***	ND	0.11	0.02	0.01	mg/Kg	Soil removed
B49C1	0 to 6"	alpha-Chlordane	***0.2***	ND	0.11	0.02	0.01	mg/Kg	
B49C2	0 to 6"	alpha-Chlordane	***0.2***	ND	0.11	0.02	0.01	mg/Kg	
B49C3	0 to 6"	alpha-Chlordane	***0.2***	ND	0.11	0.02	0.01	mg/Kg	
B49D	0 to 6"	alpha-Chlordane	***0.2***	ND	0.11	0.02	0.01	mg/Kg	
B5	0 to 6"	alpha-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B6	0 to 6"	alpha-Chlordane	***0.2***	ND	0.14	0.02	0.01	mg/Kg	
B7	0 to 6"	alpha-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B8	0 to 6"	alpha-Chlordane	***0.2***	0.062	0.16	0.03	0.062	mg/Kg	
B9	0 to 6"	alpha-Chlordane	***0.2***	1.6	0.11	0.02	1.6	mg/Kg	
			Average alpha-Chlordane (0 to 6"):				0.071		
				Residential RDCSRS:			0.2		
B30	12" to 16"	alpha-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B49	12" to 16"	alpha-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	Soil removed
			Average alpha-Chlordane (> 6"):				0.010		
				Residential RDCSRS:			0.2		
B1	0 to 6"	gamma-Chlordane	***0.2***	0.15	0.12	0.02	0.15	mg/Kg	
B10	0 to 6"	gamma-Chlordane	***0.2***	0.068	0.14	0.02	0.068	mg/Kg	
B11	0 to 6"	gamma-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B12	0 to 6"	gamma-Chlordane	***0.2***	ND	0.16	0.03	0.015	mg/Kg	
B13	0 to 6"	gamma-Chlordane	***0.2***	0.39	0.12	0.02	0.39	mg/Kg	
B14	0 to 6"	gamma-Chlordane	***0.2***	3.8	0.12	0.02	3.8	mg/Kg	
B15	0 to 6"	gamma-Chlordane	***0.2***	0.067	0.12	0.02	0.067	mg/Kg	
B16	0 to 6"	gamma-Chlordane	***0.2***	0.046	0.13	0.02	0.046	mg/Kg	
B17	0 to 6"	gamma-Chlordane	***0.2***	0.35	0.13	0.02	0.35	mg/Kg	
B18	0 to 6"	gamma-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B19	0 to 6"	gamma-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B2	0 to 6"	gamma-Chlordane	***0.2***	0.11	0.01	0.002	0.11	mg/Kg	
B20	0 to 6"	gamma-Chlordane	***0.2***	0.45	0.15	0.03	0.45	mg/Kg	

Compliance Averaging of Select Pesticides in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	RL	MDL	Value Used for Compliance Averaging	Unit	Notes
B21	0 to 6"	gamma-Chlordane	***0.2***	ND	0.11	0.02	0.01	mg/Kg	
B22	0 to 6"	gamma-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B23	0 to 6"	gamma-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B24	0 to 6"	gamma-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B25	0 to 6"	gamma-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B26	0 to 6"	gamma-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B27	0 to 6"	gamma-Chlordane	***0.2***	ND	0.17	0.03	0.015	mg/Kg	
B28	0 to 6"	gamma-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B29	0 to 6"	gamma-Chlordane	***0.2***	ND	0.14	0.02	0.01	mg/Kg	
B3	0 to 6"	gamma-Chlordane	***0.2***	0.028	0.01	0.002	0.028	mg/Kg	
B30	0 to 6"	gamma-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	Soil removed
B30A	0 to 6"	gamma-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B30B	0 to 6"	gamma-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B30C	0 to 6"	gamma-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B30D	0 to 6"	gamma-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B31	0 to 6"	gamma-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B32	0 to 6"	gamma-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B33	0 to 6"	gamma-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B34	0 to 6"	gamma-Chlordane	***0.2***	ND	0.14	0.02	0.01	mg/Kg	
B35	0 to 6"	gamma-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B36	0 to 6"	gamma-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B37	0 to 6"	gamma-Chlordane	***0.2***	ND	0.14	0.02	0.01	mg/Kg	
B38	0 to 6"	gamma-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B39	0 to 6"	gamma-Chlordane	***0.2***	ND	0.11	0.02	0.01	mg/Kg	
B4	0 to 6"	gamma-Chlordane	***0.2***	ND	0.18	0.03	0.015	mg/Kg	
B40	0 to 6"	gamma-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B41	0 to 6"	gamma-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B42	0 to 6"	gamma-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B43	0 to 6"	gamma-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B44	0 to 6"	gamma-Chlordane	***0.2***	0.02	0.11	0.02	0.02	mg/Kg	
B45	0 to 6"	gamma-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B46	0 to 6"	gamma-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B47	0 to 6"	gamma-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B48	0 to 6"	gamma-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B49	0 to 6"	gamma-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	Soil removed
B49A	0 to 6"	gamma-Chlordane	***0.2***	0.023	0.13	0.02	0.023	mg/Kg	
B49B	0 to 6"	gamma-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	Soil removed
B49C	0 to 6"	gamma-Chlordane	***0.2***	ND	0.11	0.02	0.01	mg/Kg	Soil removed
B49C1	0 to 6"	gamma-Chlordane	***0.2***	ND	0.11	0.02	0.01	mg/Kg	
B49C2	0 to 6"	gamma-Chlordane	***0.2***	ND	0.11	0.02	0.01	mg/Kg	
B49C3	0 to 6"	gamma-Chlordane	***0.2***	ND	0.11	0.02	0.01	mg/Kg	
B49D	0 to 6"	gamma-Chlordane	***0.2***	ND	0.11	0.02	0.01	mg/Kg	
B5	0 to 6"	gamma-Chlordane	***0.2***	ND	0.13	0.02	0.01	mg/Kg	
B6	0 to 6"	gamma-Chlordane	***0.2***	ND	0.14	0.02	0.01	mg/Kg	
B7	0 to 6"	gamma-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B8	0 to 6"	gamma-Chlordane	***0.2***	0.094	0.16	0.03	0.094	mg/Kg	
B9	0 to 6"	gamma-Chlordane	***0.2***	5.4	0.11	0.02	5.4	mg/Kg	
				Average gamma-Chlordane (0 to 6"):			0.191		
				Residential RDCSRS:			0.2		

Compliance Averaging of Select Pesticides in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	RL	MDL	Value Used for Compliance Averaging	Unit	Notes
B30	12" to 16"	gamma-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	
B49	12" to 16"	gamma-Chlordane	***0.2***	ND	0.12	0.02	0.01	mg/Kg	Soil removed
				Average gamma-Chlordane (> 6"):			0.010		
				Residential RDCSRS:			0.2		
B1	0 to 6"	Heptachlor	***0.1***	0.12	0.12	0.02	0.12	mg/Kg	
B10	0 to 6"	Heptachlor	***0.1***	ND	0.14	0.02	0.01	mg/Kg	
B11	0 to 6"	Heptachlor	***0.1***	ND	0.12	0.02	0.01	mg/Kg	
B12	0 to 6"	Heptachlor	***0.1***	ND	0.16	0.03	0.015	mg/Kg	
B13	0 to 6"	Heptachlor	***0.1***	0.42	0.12	0.02	0.42	mg/Kg	
B14	0 to 6"	Heptachlor	***0.1***	7.9	0.12	0.02	7.9	mg/Kg	
B15	0 to 6"	Heptachlor	***0.1***	0.051	0.12	0.02	0.051	mg/Kg	
B16	0 to 6"	Heptachlor	***0.1***	ND	0.13	0.02	0.01	mg/Kg	
B17	0 to 6"	Heptachlor	***0.1***	0.077	0.13	0.02	0.077	mg/Kg	
B18	0 to 6"	Heptachlor	***0.1***	ND	0.12	0.02	0.01	mg/Kg	
B19	0 to 6"	Heptachlor	***0.1***	ND	0.13	0.02	0.01	mg/Kg	
B2	0 to 6"	Heptachlor	***0.1***	0.038	0.01	0.002	0.038	mg/Kg	
B20	0 to 6"	Heptachlor	***0.1***	0.37	0.15	0.03	0.37	mg/Kg	
B21	0 to 6"	Heptachlor	***0.1***	ND	0.11	0.02	0.01	mg/Kg	
B22	0 to 6"	Heptachlor	***0.1***	ND	0.13	0.02	0.01	mg/Kg	
B23	0 to 6"	Heptachlor	***0.1***	ND	0.13	0.02	0.01	mg/Kg	
B24	0 to 6"	Heptachlor	***0.1***	ND	0.13	0.02	0.01	mg/Kg	
B25	0 to 6"	Heptachlor	***0.1***	ND	0.12	0.02	0.01	mg/Kg	
B26	0 to 6"	Heptachlor	***0.1***	ND	0.13	0.02	0.01	mg/Kg	
B27	0 to 6"	Heptachlor	***0.1***	ND	0.17	0.03	0.015	mg/Kg	
B28	0 to 6"	Heptachlor	***0.1***	ND	0.13	0.02	0.01	mg/Kg	
B29	0 to 6"	Heptachlor	***0.1***	ND	0.14	0.02	0.01	mg/Kg	
B3	0 to 6"	Heptachlor	***0.1***	ND	0.01	0.002	0.001	mg/Kg	
B30	0 to 6"	Heptachlor	***0.1***	ND	0.13	0.02	0.01	mg/Kg	Soil removed
B30A	0 to 6"	Heptachlor	***0.1***	ND	0.12	0.02	0.01	mg/Kg	
B30B	0 to 6"	Heptachlor	***0.1***	ND	0.12	0.02	0.01	mg/Kg	
B30C	0 to 6"	Heptachlor	***0.1***	ND	0.12	0.02	0.01	mg/Kg	
B30D	0 to 6"	Heptachlor	***0.1***	ND	0.13	0.02	0.01	mg/Kg	
B31	0 to 6"	Heptachlor	***0.1***	ND	0.13	0.02	0.01	mg/Kg	
B32	0 to 6"	Heptachlor	***0.1***	ND	0.13	0.02	0.01	mg/Kg	
B33	0 to 6"	Heptachlor	***0.1***	ND	0.13	0.02	0.01	mg/Kg	
B34	0 to 6"	Heptachlor	***0.1***	ND	0.14	0.02	0.01	mg/Kg	
B35	0 to 6"	Heptachlor	***0.1***	ND	0.12	0.02	0.01	mg/Kg	
B36	0 to 6"	Heptachlor	***0.1***	ND	0.12	0.02	0.01	mg/Kg	
B37	0 to 6"	Heptachlor	***0.1***	ND	0.14	0.02	0.01	mg/Kg	
B38	0 to 6"	Heptachlor	***0.1***	ND	0.12	0.02	0.01	mg/Kg	
B39	0 to 6"	Heptachlor	***0.1***	ND	0.11	0.02	0.01	mg/Kg	
B4	0 to 6"	Heptachlor	***0.1***	ND	0.18	0.03	0.015	mg/Kg	
B40	0 to 6"	Heptachlor	***0.1***	ND	0.13	0.02	0.01	mg/Kg	
B41	0 to 6"	Heptachlor	***0.1***	ND	0.12	0.02	0.01	mg/Kg	
B42	0 to 6"	Heptachlor	***0.1***	ND	0.12	0.02	0.01	mg/Kg	
B43	0 to 6"	Heptachlor	***0.1***	ND	0.12	0.02	0.01	mg/Kg	
B44	0 to 6"	Heptachlor	***0.1***	ND	0.11	0.02	0.01	mg/Kg	
B45	0 to 6"	Heptachlor	***0.1***	ND	0.12	0.02	0.01	mg/Kg	
B46	0 to 6"	Heptachlor	***0.1***	ND	0.12	0.02	0.01	mg/Kg	

Compliance Averaging of Select Pesticides in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	RL	MDL	Value Used for Compliance Averaging	Unit	Notes
B47	0 to 6"	Heptachlor	***0.1***	ND	0.13	0.02	0.01	mg/Kg	
B48	0 to 6"	Heptachlor	***0.1***	ND	0.12	0.02	0.01	mg/Kg	
B49	0 to 6"	Heptachlor	***0.1***	ND	0.13	0.02	0.01	mg/Kg	Soil removed
B49A	0 to 6"	Heptachlor	***0.1***	ND	0.13	0.02	0.01	mg/Kg	
B49B	0 to 6"	Heptachlor	***0.1***	ND	0.12	0.02	0.01	mg/Kg	Soil removed
B49C	0 to 6"	Heptachlor	***0.1***	ND	0.11	0.02	0.01	mg/Kg	Soil removed
B49C1	0 to 6"	Heptachlor	***0.1***	ND	0.11	0.02	0.01	mg/Kg	
B49C2	0 to 6"	Heptachlor	***0.1***	ND	0.11	0.02	0.01	mg/Kg	
B49C3	0 to 6"	Heptachlor	***0.1***	ND	0.11	0.02	0.01	mg/Kg	
B49D	0 to 6"	Heptachlor	***0.1***	ND	0.11	0.02	0.01	mg/Kg	
B5	0 to 6"	Heptachlor	***0.1***	ND	0.13	0.02	0.01	mg/Kg	
B6	0 to 6"	Heptachlor	***0.1***	ND	0.14	0.02	0.01	mg/Kg	
B7	0 to 6"	Heptachlor	***0.1***	ND	0.12	0.02	0.01	mg/Kg	
B8	0 to 6"	Heptachlor	***0.1***	ND	0.16	0.03	0.015	mg/Kg	
B9	0 to 6"	Heptachlor	***0.1***	8.1	0.11	0.02	8.1	mg/Kg	
				Average Heptachlor (0 to 6"):			0.293		
				Residential RDCSRS:			0.1		
B30	12" to 16"	Heptachlor	***0.1***	ND	0.12	0.02	0.01	mg/Kg	
B49	12" to 16"	Heptachlor	***0.1***	ND	0.12	0.02	0.01	mg/Kg	Soil removed
				Average Heptachlor (> 6"):			0.010		
				Residential RDCSRS:			0.1		
B1	0 to 6"	Heptachlor Epoxide	***0.07***	0.053	0.12	0.02	0.053	mg/Kg	
B10	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.14	0.02	0.01	mg/Kg	
B11	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.12	0.02	0.01	mg/Kg	
B12	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.16	0.03	0.015	mg/Kg	
B13	0 to 6"	Heptachlor Epoxide	***0.07***	0.18	0.12	0.02	0.18	mg/Kg	
B14	0 to 6"	Heptachlor Epoxide	***0.07***	1.1	0.12	0.02	1.1	mg/Kg	
B15	0 to 6"	Heptachlor Epoxide	***0.07***	0.035	0.12	0.02	0.035	mg/Kg	
B16	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.13	0.02	0.01	mg/Kg	
B17	0 to 6"	Heptachlor Epoxide	***0.07***	0.13	0.13	0.02	0.13	mg/Kg	
B18	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.12	0.02	0.01	mg/Kg	
B19	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.13	0.02	0.01	mg/Kg	
B2	0 to 6"	Heptachlor Epoxide	***0.07***	0.031	0.01	0.002	0.031	mg/Kg	
B20	0 to 6"	Heptachlor Epoxide	***0.07***	0.27	0.15	0.03	0.27	mg/Kg	
B21	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.11	0.02	0.01	mg/Kg	
B22	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.13	0.02	0.01	mg/Kg	
B23	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.13	0.02	0.01	mg/Kg	
B24	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.13	0.02	0.01	mg/Kg	
B25	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.12	0.02	0.01	mg/Kg	
B26	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.13	0.02	0.01	mg/Kg	
B27	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.17	0.03	0.015	mg/Kg	
B28	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.13	0.02	0.01	mg/Kg	
B29	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.14	0.02	0.01	mg/Kg	
B3	0 to 6"	Heptachlor Epoxide	***0.07***	0.0037	0.01	0.002	0.0037	mg/Kg	
B30	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.13	0.02	0.01	mg/Kg	Soil removed
B30A	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.12	0.02	0.01	mg/Kg	
B30B	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.12	0.02	0.01	mg/Kg	
B30C	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.12	0.02	0.01	mg/Kg	

Compliance Averaging of Select Pesticides in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	RL	MDL	Value Used for Compliance Averaging	Unit	Notes
B30D	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.13	0.02	0.01	mg/Kg	
B31	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.13	0.02	0.01	mg/Kg	
B32	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.13	0.02	0.01	mg/Kg	
B33	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.13	0.02	0.01	mg/Kg	
B34	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.14	0.02	0.01	mg/Kg	
B35	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.12	0.02	0.01	mg/Kg	
B36	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.12	0.02	0.01	mg/Kg	
B37	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.14	0.02	0.01	mg/Kg	
B38	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.12	0.02	0.01	mg/Kg	
B39	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.11	0.02	0.01	mg/Kg	
B4	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.18	0.03	0.015	mg/Kg	
B40	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.13	0.02	0.01	mg/Kg	
B41	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.12	0.02	0.01	mg/Kg	
B42	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.12	0.02	0.01	mg/Kg	
B43	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.12	0.02	0.01	mg/Kg	
B44	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.11	0.02	0.01	mg/Kg	
B45	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.12	0.02	0.01	mg/Kg	
B46	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.12	0.02	0.01	mg/Kg	
B47	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.13	0.02	0.01	mg/Kg	
B48	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.12	0.02	0.01	mg/Kg	
B49	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.13	0.02	0.01	mg/Kg	Soil removed
B49A	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.13	0.02	0.01	mg/Kg	
B49B	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.12	0.02	0.01	mg/Kg	Soil removed
B49C	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.11	0.02	0.01	mg/Kg	Soil removed
B49C1	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.11	0.02	0.01	mg/Kg	
B49C2	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.11	0.02	0.01	mg/Kg	
B49C3	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.11	0.02	0.01	mg/Kg	
B49D	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.11	0.02	0.01	mg/Kg	
B5	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.13	0.02	0.01	mg/Kg	
B6	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.14	0.02	0.01	mg/Kg	
B7	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.12	0.02	0.01	mg/Kg	
B8	0 to 6"	Heptachlor Epoxide	***0.07***	ND	0.16	0.03	0.015	mg/Kg	
B9	0 to 6"	Heptachlor Epoxide	***0.07***	0.66	0.11	0.02	0.66	mg/Kg	
				Average Heptachlor Epoxide (0 to 6"):			0.05		
				Residential RDCSRS:			0.07		
B30	12" to 16"	Heptachlor Epoxide	***0.07***	ND	0.12	0.02	0.01	mg/Kg	
B49	12" to 16"	Heptachlor Epoxide	***0.07***	ND	0.12	0.02	0.01	mg/Kg	Soil removed
				Average Heptachlor Epoxide (> 6"):			0.01		
				Residential RDCSRS:			0.07		

Compliance Averaging of Select SVOCs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Shading indicates the Result exceeds the residential direct contact soil remediation standard (RDCSRS).

* *Method Detecion Limits (MDLs) were not reported in analyses; therfore, the lowest detected concentration for each analyte was used as a surrogate MDL.*

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Flag	RL	Surrogate MDL *	Value Used for Compliance Averaging	Unit	Notes
B1	0 to 6"	Benzo[a]pyrene	***200***	1200	U	1200	120	60	ug/Kg	
B2	0 to 6"	Benzo[a]pyrene	***200***	370	J	1300	120	370	ug/Kg	
B3	0 to 6"	Benzo[a]pyrene	***200***	150	J	1100	120	150	ug/Kg	
B4	0 to 6"	Benzo[a]pyrene	***200***	1800	U	1800	120	60	ug/Kg	
B5	0 to 6"	Benzo[a]pyrene	***200***	1300	U	1300	120	60	ug/Kg	
B6	0 to 6"	Benzo[a]pyrene	***200***	1400	U	1400	120	60	ug/Kg	
B7	0 to 6"	Benzo[a]pyrene	***200***	230	J	1200	120	230	ug/Kg	
B8	0 to 6"	Benzo[a]pyrene	***200***	1600	U	1600	120	60	ug/Kg	
B9	0 to 6"	Benzo[a]pyrene	***200***	1100	U	1100	120	60	ug/Kg	
B10	0 to 6"	Benzo[a]pyrene	***200***	240	J	1400	120	240	ug/Kg	
B11	0 to 6"	Benzo[a]pyrene	***200***	130	J	1200	120	130	ug/Kg	
B12	0 to 6"	Benzo[a]pyrene	***200***	1600	U	1600	120	60	ug/Kg	
B13	0 to 6"	Benzo[a]pyrene	***200***	1200	U	1200	120	60	ug/Kg	
B14	0 to 6"	Benzo[a]pyrene	***200***	1200	U	1200	120	60	ug/Kg	
B15	0 to 6"	Benzo[a]pyrene	***200***	160	J	1200	120	160	ug/Kg	
B16	0 to 6"	Benzo[a]pyrene	***200***	170	J	1300	120	170	ug/Kg	
B17	0 to 6"	Benzo[a]pyrene	***200***	1300	U	1300	120	60	ug/Kg	
B18	0 to 6"	Benzo[a]pyrene	***200***	1200	U	1200	120	60	ug/Kg	
B19	0 to 6"	Benzo[a]pyrene	***200***	1200	U	1200	120	60	ug/Kg	
B20	0 to 6"	Benzo[a]pyrene	***200***	1400	U	1400	120	60	ug/Kg	
B21	0 to 6"	Benzo[a]pyrene	***200***	1100	U	1100	120	60	ug/Kg	
B22	0 to 6"	Benzo[a]pyrene	***200***	1300	U	1300	120	60	ug/Kg	
B23	0 to 6"	Benzo[a]pyrene	***200***	1200	U	1200	120	60	ug/Kg	
B24	0 to 6"	Benzo[a]pyrene	***200***	1300	U	1300	120	60	ug/Kg	
B25	0 to 6"	Benzo[a]pyrene	***200***	1200	U	1200	120	60	ug/Kg	
B26	0 to 6"	Benzo[a]pyrene	***200***	1300	U	1300	120	60	ug/Kg	
B27	0 to 6"	Benzo[a]pyrene	***200***	1600	U	1600	120	60	ug/Kg	
B28	0 to 6"	Benzo[a]pyrene	***200***	190	J	1300	120	190	ug/Kg	
B29	0 to 6"	Benzo[a]pyrene	***200***	1400	U	1400	120	60	ug/Kg	
B30	0 to 6"	Benzo[a]pyrene	***200***	2800		1300	120	60	ug/Kg	Soil removed; use MDL
B31	0 to 6"	Benzo[a]pyrene	***200***	1300	U	1300	120	60	ug/Kg	
B32	0 to 6"	Benzo[a]pyrene	***200***	1300	U	1300	120	60	ug/Kg	
B33	0 to 6"	Benzo[a]pyrene	***200***	1300	U	1300	120	60	ug/Kg	
B34	0 to 6"	Benzo[a]pyrene	***200***	1400	U	1400	120	60	ug/Kg	
B35	0 to 6"	Benzo[a]pyrene	***200***	1200	U	1200	120	60	ug/Kg	
B36	0 to 6"	Benzo[a]pyrene	***200***	1200	U	1200	120	60	ug/Kg	
B37	0 to 6"	Benzo[a]pyrene	***200***	1400	U	1400	120	60	ug/Kg	
B38	0 to 6"	Benzo[a]pyrene	***200***	220	J	1200	120	220	ug/Kg	
B39	0 to 6"	Benzo[a]pyrene	***200***	1200	U	1200	120	60	ug/Kg	
B40	0 to 6"	Benzo[a]pyrene	***200***	1300	U	1300	120	60	ug/Kg	
B41	0 to 6"	Benzo[a]pyrene	***200***	1200	U	1200	120	60	ug/Kg	
B42	0 to 6"	Benzo[a]pyrene	***200***	1200	U	1200	120	60	ug/Kg	
B43	0 to 6"	Benzo[a]pyrene	***200***	1200	U	1200	120	60	ug/Kg	
B44	0 to 6"	Benzo[a]pyrene	***200***	1100	U	1100	120	60	ug/Kg	
B45	0 to 6"	Benzo[a]pyrene	***200***	1200	U	1200	120	60	ug/Kg	
B46	0 to 6"	Benzo[a]pyrene	***200***	120	J	1200	120	120	ug/Kg	
B47	0 to 6"	Benzo[a]pyrene	***200***	1300	U	1300	120	60	ug/Kg	
B48	0 to 6"	Benzo[a]pyrene	***200***	1200	U	1200	120	60	ug/Kg	
B49	0 to 6"	Benzo[a]pyrene	***200***	1500		1300	120	60	ug/Kg	Soil removed; use MDL
B30A	0 to 6"	Benzo[a]pyrene	***200***	120	J	1200	120	120	ug/Kg	
B30B	0 to 6"	Benzo[a]pyrene	***200***	120	J	1200	120	120	ug/Kg	
B30C	0 to 6"	Benzo[a]pyrene	***200***	210	J	1200	120	210	ug/Kg	
B30D	0 to 6"	Benzo[a]pyrene	***200***	250	J	1300	120	250	ug/Kg	
B49A	0 to 6"	Benzo[a]pyrene	***200***	550	J	1300	120	550	ug/Kg	
B49B	0 to 6"	Benzo[a]pyrene	***200***	1100	J	1200	120	60	ug/Kg	Soil removed; use MDL
B49C	0 to 6"	Benzo[a]pyrene	***200***	280	J	1100	120	60	ug/Kg	Soil removed; use MDL

Compliance Averaging of Select SVOCs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Flag	RL	Surrogate MDL *	Value Used for Compliance Averaging	Unit	Notes
B49D	0 to 6"	Benzo[a]pyrene	***200***	370	J	1100	120	370	ug/Kg	
B49B1	0 to 6"	Benzo[a]pyrene	***200***	600	J	1100	120	600	ug/Kg	
B49B2	0 to 6"	Benzo[a]pyrene	***200***	410	J	1100	120	410	ug/Kg	
B49 C1	0 to 6"	Benzo[a]pyrene	***200***	500	J	1100	120	500	ug/Kg	
B49 C2	0 to 6"	Benzo[a]pyrene	***200***	500	J	1100	120	500	ug/Kg	
B49 C3	0 to 6"	Benzo[a]pyrene	***200***	400	J	1200	120	400	ug/Kg	
							Average Benzo[a]pyrene (0 to 6"):	136.613		
							Residential RDCSRS:	200		
B30	12" to 16"	Benzo[a]pyrene	***200***	1200	U	1200	120	60	ug/Kg	
B49	12" to 16"	Benzo[a]pyrene	***200***	3600		1200	120	60	ug/Kg	Soil removed; use MDL
B49	18 to 24"	Benzo[a]pyrene	***200***	200	J	1100	120	200	ug/Kg	
B30	Bottom	Benzo[a]pyrene	***200***	1200	U	1200	120	60	ug/Kg	
B49	Bottom	Benzo[a]pyrene	***200***	370	J	1100	120	370	ug/Kg	
							Average Benzo[a]pyrene (> 6"):	150.000		
							Residential RDCSRS:	200		
B1	0 to 6"	Benzo[b]fluoranthene	***600***	1200	U	1200	150	75	ug/Kg	
B2	0 to 6"	Benzo[b]fluoranthene	***600***	530	J	1300	150	530	ug/Kg	
B3	0 to 6"	Benzo[b]fluoranthene	***600***	230	J	1100	150	230	ug/Kg	
B4	0 to 6"	Benzo[b]fluoranthene	***600***	1800	U	1800	150	75	ug/Kg	
B5	0 to 6"	Benzo[b]fluoranthene	***600***	1300	U	1300	150	75	ug/Kg	
B6	0 to 6"	Benzo[b]fluoranthene	***600***	1400	U	1400	150	75	ug/Kg	
B7	0 to 6"	Benzo[b]fluoranthene	***600***	390	J	1200	150	390	ug/Kg	
B8	0 to 6"	Benzo[b]fluoranthene	***600***	200	J	1600	150	200	ug/Kg	
B9	0 to 6"	Benzo[b]fluoranthene	***600***	1100	U	1100	150	75	ug/Kg	
B10	0 to 6"	Benzo[b]fluoranthene	***600***	350	J	1400	150	350	ug/Kg	
B11	0 to 6"	Benzo[b]fluoranthene	***600***	170	J	1200	150	170	ug/Kg	
B12	0 to 6"	Benzo[b]fluoranthene	***600***	1600	U	1600	150	75	ug/Kg	
B13	0 to 6"	Benzo[b]fluoranthene	***600***	150	J	1200	150	150	ug/Kg	
B14	0 to 6"	Benzo[b]fluoranthene	***600***	160	J	1200	150	160	ug/Kg	
B15	0 to 6"	Benzo[b]fluoranthene	***600***	170	J	1200	150	170	ug/Kg	
B16	0 to 6"	Benzo[b]fluoranthene	***600***	260	J	1300	150	260	ug/Kg	
B17	0 to 6"	Benzo[b]fluoranthene	***600***	150	J	1300	150	150	ug/Kg	
B18	0 to 6"	Benzo[b]fluoranthene	***600***	1200	U	1200	150	75	ug/Kg	
B19	0 to 6"	Benzo[b]fluoranthene	***600***	1200	U	1200	150	75	ug/Kg	
B20	0 to 6"	Benzo[b]fluoranthene	***600***	1400	U	1400	150	75	ug/Kg	
B21	0 to 6"	Benzo[b]fluoranthene	***600***	1100	U	1100	150	75	ug/Kg	
B22	0 to 6"	Benzo[b]fluoranthene	***600***	1300	U	1300	150	75	ug/Kg	
B23	0 to 6"	Benzo[b]fluoranthene	***600***	1200	U	1200	150	75	ug/Kg	
B24	0 to 6"	Benzo[b]fluoranthene	***600***	1300	U	1300	150	75	ug/Kg	
B25	0 to 6"	Benzo[b]fluoranthene	***600***	1200	U	1200	150	75	ug/Kg	
B26	0 to 6"	Benzo[b]fluoranthene	***600***	1300	U	1300	150	75	ug/Kg	
B27	0 to 6"	Benzo[b]fluoranthene	***600***	1600	U	1600	150	75	ug/Kg	
B28	0 to 6"	Benzo[b]fluoranthene	***600***	280	J	1300	150	280	ug/Kg	
B29	0 to 6"	Benzo[b]fluoranthene	***600***	1400	U	1400	150	75	ug/Kg	
B30	0 to 6"	Benzo[b]fluoranthene	***600***	2300		1300	150	75	ug/Kg	Soil removed; use MDL
B31	0 to 6"	Benzo[b]fluoranthene	***600***	1300	U	1300	150	75	ug/Kg	
B32	0 to 6"	Benzo[b]fluoranthene	***600***	1300	U	1300	150	75	ug/Kg	
B33	0 to 6"	Benzo[b]fluoranthene	***600***	1300	U	1300	150	75	ug/Kg	
B34	0 to 6"	Benzo[b]fluoranthene	***600***	1400	U	1400	150	75	ug/Kg	
B35	0 to 6"	Benzo[b]fluoranthene	***600***	1200	U	1200	150	75	ug/Kg	
B36	0 to 6"	Benzo[b]fluoranthene	***600***	1200	U	1200	150	75	ug/Kg	
B37	0 to 6"	Benzo[b]fluoranthene	***600***	1400	U	1400	150	75	ug/Kg	
B38	0 to 6"	Benzo[b]fluoranthene	***600***	230	J	1200	150	230	ug/Kg	
B39	0 to 6"	Benzo[b]fluoranthene	***600***	1200	U	1200	150	75	ug/Kg	
B40	0 to 6"	Benzo[b]fluoranthene	***600***	190	J	1300	150	190	ug/Kg	
B41	0 to 6"	Benzo[b]fluoranthene	***600***	1200	U	1200	150	75	ug/Kg	
B42	0 to 6"	Benzo[b]fluoranthene	***600***	1200	U	1200	150	75	ug/Kg	

Compliance Averaging of Select SVOCs in 700 Area Soils
Fort Monmouth BRAC 05 Facility
Oceanport, New Jersey

Boring	Depth	Analyte	***NJDEP RDCSRS***	Result	Flag	RL	Surrogate MDL *	Value Used for Compliance Averaging	Unit	Notes
B43	0 to 6"	Benzo[b]fluoranthene	***600***	1200	U	1200	150	75	ug/Kg	
B44	0 to 6"	Benzo[b]fluoranthene	***600***	1100	U	1100	150	75	ug/Kg	
B45	0 to 6"	Benzo[b]fluoranthene	***600***	1200	U	1200	150	75	ug/Kg	
B46	0 to 6"	Benzo[b]fluoranthene	***600***	130	J	1200	150	130	ug/Kg	
B47	0 to 6"	Benzo[b]fluoranthene	***600***	1300	U	1300	150	75	ug/Kg	
B48	0 to 6"	Benzo[b]fluoranthene	***600***	1200	U	1200	150	75	ug/Kg	
B49	0 to 6"	Benzo[b]fluoranthene	***600***	1600		1300	150	75	ug/Kg	Soil removed; use MDL
B30A	0 to 6"	Benzo[b]fluoranthene	***600***	190	J	1200	150	190	ug/Kg	
B30B	0 to 6"	Benzo[b]fluoranthene	***600***	150	J	1200	150	150	ug/Kg	
B30C	0 to 6"	Benzo[b]fluoranthene	***600***	280	J	1200	150	280	ug/Kg	
B30D	0 to 6"	Benzo[b]fluoranthene	***600***	380	J	1300	150	380	ug/Kg	
B49A	0 to 6"	Benzo[b]fluoranthene	***600***	880	J	1300	150	880	ug/Kg	
B49B	0 to 6"	Benzo[b]fluoranthene	***600***	1600		1200	150	75	ug/Kg	Soil removed; use MDL
B49C	0 to 6"	Benzo[b]fluoranthene	***600***	400	J	1100	150	75	ug/Kg	Soil removed; use MDL
B49D	0 to 6"	Benzo[b]fluoranthene	***600***	600	J	1100	150	600	ug/Kg	
B49B1	0 to 6"	Benzo[b]fluoranthene	***600***	830	J	1100	150	830	ug/Kg	
B49B2	0 to 6"	Benzo[b]fluoranthene	***600***	640	J	1100	150	640	ug/Kg	
B49 C1	0 to 6"	Benzo[b]fluoranthene	***600***	640	J	1100	150	640	ug/Kg	
B49 C2	0 to 6"	Benzo[b]fluoranthene	***600***	710	J	1100	150	710	ug/Kg	
B49 C3	0 to 6"	Benzo[b]fluoranthene	***600***	590	J	1200	150	590	ug/Kg	
				Average Benzo[b]fluoranthene (0 to 6"):				196.452		
						Residential RDCSRS:		600		
B30	12" to 16"	Benzo[b]fluoranthene	***600***	1200	U	1200	150	75	ug/Kg	
B49	12" to 16"	Benzo[b]fluoranthene	***600***	5700		1200	150	75	ug/Kg	Soil removed; use MDL
B49	18 to 24"	Benzo[b]fluoranthene	***600***	330	J	1100	150	330	ug/Kg	
B30	Bottom	Benzo[b]fluoranthene	***600***	1200	U	1200	150	75	ug/Kg	
B49	Bottom	Benzo[b]fluoranthene	***600***	500	J	1100	150	500	ug/Kg	
				Average Benzo[b]fluoranthene (> 6"):				211.000		
						Residential RDCSRS:		600		

ATTACHMENT P

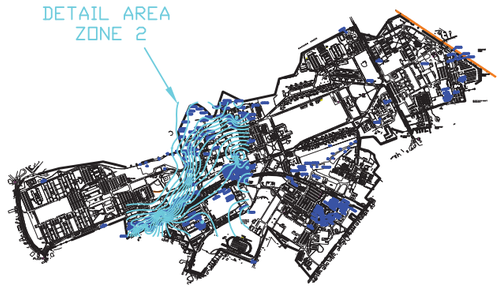
Area 700 Groundwater Monitoring Results

Contents:

- Enclosure 1 – 700 Area Potentiometric Surface Map (from "Groundwater Contour Map – Zone 2," provided in Appendix IX of *MODFLOW Groundwater Modeling, US Army, Fort Monmouth, Main Post and Charles Wood Areas;* dated 10 June 2010; submitted to NJDEP June 16, 2010).
- Enclosure 2 – Groundwater Flow Maps
    - Bldg. 700, Main Post, Fort Monmouth, New Jersey
    - Bldg. 707, 745, Main Post, Fort Monmouth, New Jersey
- Enclosure 3 – Monitoring Well Records and Boring Logs
    - 700A-MW01
    - 700A-MW02
    - 700A-MW03
    - 700A-MW04
    - 700A-MW05
- Enclosure 4 – 700 Area Groundwater Analytical Data Reports
    - Laboratory ID 90493, sampled 30 December 2009
    - Laboratory ID 10017, sampled 13 January 2010

ENCLOSURE 1 of Attachment P

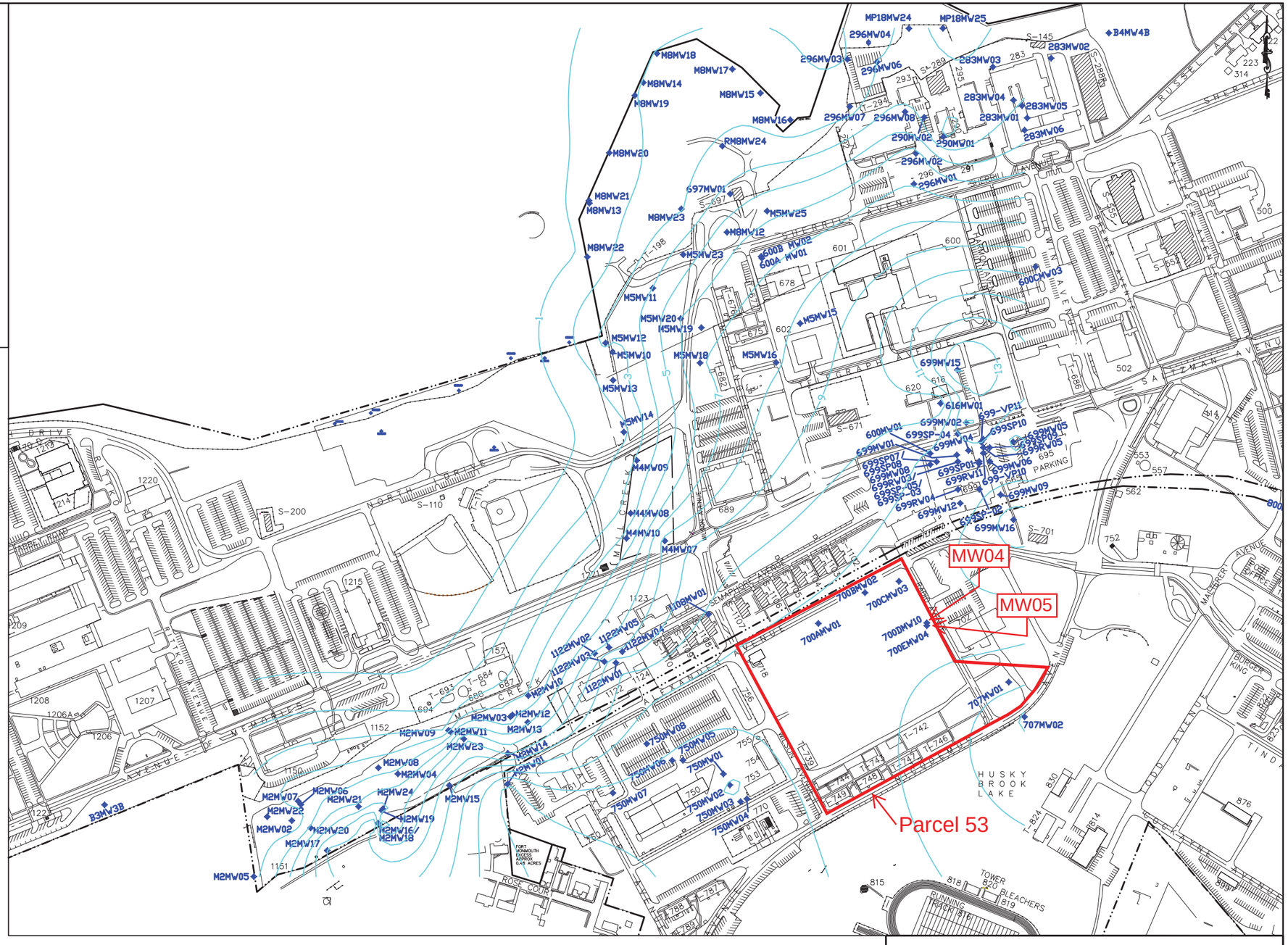
700 Area Potentiometric Surface Map



KEY MAP

0′ 1750′ 3500′

SCALE: 1"=3500′



LEGEND

◆ - MONITORING WELL LOCATION

616MW01

MW04 Corrected well location (4/27/2015)

0′ 200′ 400′

SCALE: 1"=400′

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

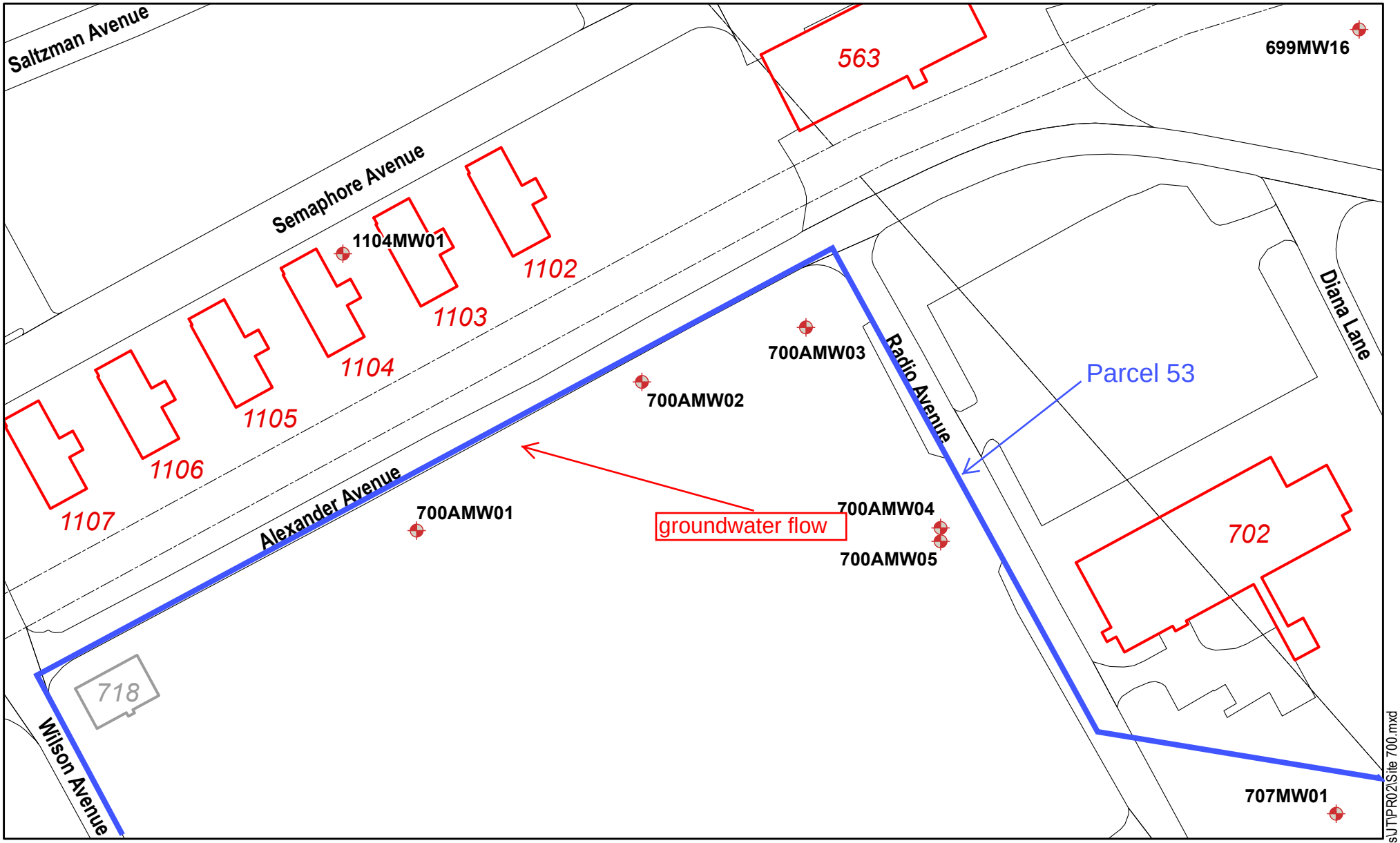
GROUNDWATER CONTOUR MAP - ZONE 2

US ARMY FORT MONMOUTH
MAIN POST
FORT MONMOUTH, NEW JERSEY

DATE: 4/26/10	JOB NO.: 09BR116	SCALE: AS SHOWN

ENCLOSURE 2 of Attachment P

Groundwater Flow Maps



Bldg 700
Main Post
Fort Monmouth, New Jersey

Map Created by:
Fort Monmouth Installation GIO, Environmental Division
Fort Monmouth, New Jersey
Date: August 18, 2010

N
W E
S

0 50 100 200 Feet

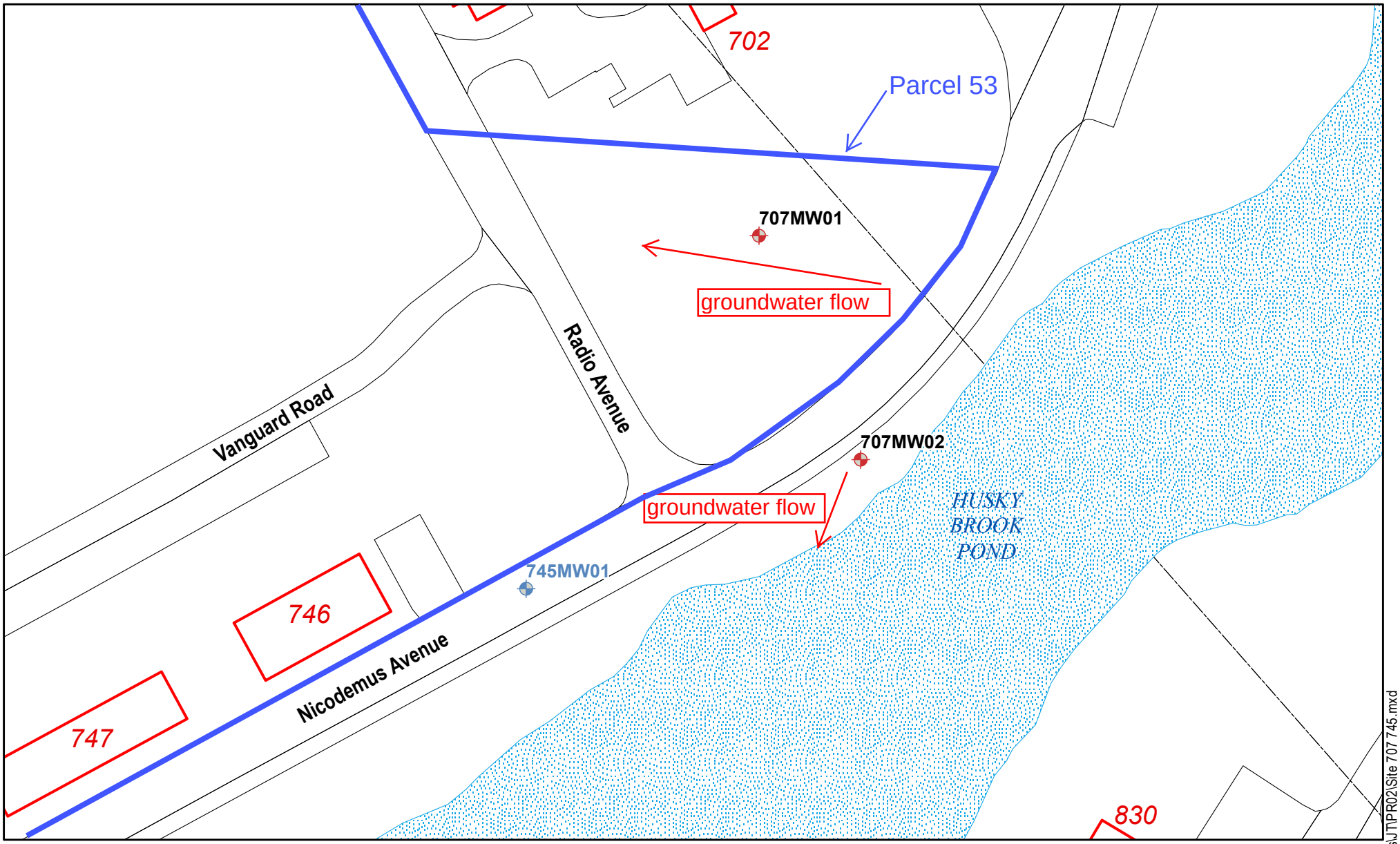
NAD 83, NJ State Plane Feet

Legend

- Monitoring Well - Abandoned
- Monitoring Well - Active
- Recovery Well
- Soil Vapor Extraction Point
- Sparge Point
- Vapor Point
- Irrigation Well
- Roadway & Parking
- Existing Structure
- Demolished Structure
- Landfill Area
- Water Body
- Post Boundary

All features in the legend may not appear in the map.

August 18, 2010 X:\GIS\GIS MapsUT\PR02\Site 700.mxd



Bldg 707, 745
Main Post
Fort Monmouth, New Jersey

0 25 50 100 Feet

NAD 83, NJ State Plane Feet

Map Created by:
Fort Monmouth Installation GIO, Environmental Division
Fort Monmouth, New Jersey
Date: March 22, 2010

Legend

- Monitoring Well - Abandoned
- Monitoring Well - Active
- Recovery Well
- Soil Vapor Extraction Point
- Sparge Point
- Vapor Point
- Irrigation Well
- Roadway & Parking
- Existing Structure
- Demolished Structure
- Landfill Area
- Water Body
- Post Boundary

All features in the legend may not appear in the map.

March 22, 2010 U:\GIS\GIS Maps\JT\PR02\Site 707 745.mxd

ENCLOSURE 3 of Attachment P

Monitoring Well Records and Boring Logs

4607.

New Jersey State Department of Environmental Protection
Bureau of Water Systems and Well Permitting
PO BOX 426 Trenton, NJ 08625-0426 Tel: 609-984-6831

Well Permit Number
E200913385

MONITORING WELL RECORD

PROPERTY OWNER: JOSEPH FALLON

Company/Organization: United States Army

Address: 173 Riverside Avenue Fort Monmouth, New Jersey 07703

WELL LOCATION: US Army - 700 Area

Address: Alexander Ave

County: Monmouth Municipality: Eatontown Boro Lot: N/A Block: N/A

Easting (X): 618187 Northing (Y): 538479
Coordinate System: NJ State Plane (NAD83) - USFEET

DATE WELL STARTED: December 7, 2009

DATE WELL COMPLETED: December 7, 2009

WELL USE: MONITORING

Other Use(s):

Local ID: 700A MW-01

WELL CONSTRUCTION

Total Depth Drilled (ft.): 20 Finished Well Depth (ft.): 20 Well Surface: Above Grade

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	20	10		
Casing	2.5	5	4	PVC	sch 40
Screen	5	20	4	pvc	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	3	10	4	5	94.5	8
Gravel Pack	3	20	10	4	#1 well gravel		

Grouting Method: Pressure method (Tremie Pipe) Drilling Method: Hollow Stem Augers

ADDITIONAL INFORMATION

Protective Casing: Yes
Static Water Level: 9 ft. below land surface
Water Level Measure Tool: M-scope
Well Development Period: 1 hrs.
Method of Development: submersible pump
Pump Type:

Pump Capacity: _ gpm
Total Design Head: _ ft.
Drilling Fluid: N/A
Drill Rig: Diedrich D-120
Health and Safety Plan Submitted? Yes

ATTACHMENTS:

GEOLOGIC LOG
0 - 4: brown GW - Well-graded gravels and gravel-sand mixtures, little or no fines top soil, fne brown sand
4 - 20: black, brown SC - Clayey sands, sand-clay mixtures black clay, some silts and fine sand, water 9'

ADDITIONAL INFORMATION:

Driller of Record: William Lightner, MONITORING LICENSE # 215733 Company: TABASCO DRILLING CORP

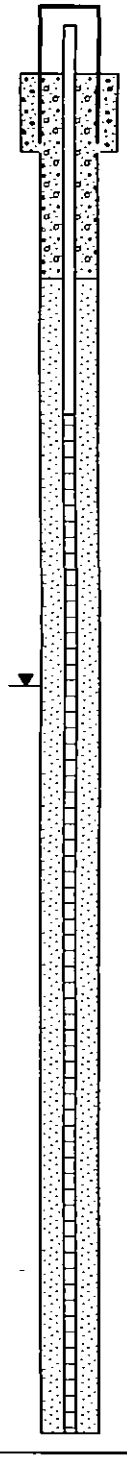
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING 700AMW01

U.S. Army
SELFM-PW-EV
JOSEPH FALLON
700 AREA
GROUNDWATER INVESTIGATION

NJDEP Permit #	: 200913385	Northing	: N 538481.143
NJDEP Case #	: -	Easting	: E 618185.625
Start Date	: 12/7/09	Logged By	: Tabasco Drilling Corp.
Completion Date	: 12/7/09	Driller	: William Lightner

Well: MW01
Elevation: 17.55



Depth in Feet	DESCRIPTION	USCS	GRAPHIC	Samples	Blow Count	Well Construction Information
0-4	Brown well-graded gravel and gravel-sand mixtures, little or no fines - top soil, fine brown sand	GW				Well Construction Hole Diameter : 10 inch Drill Method : Hollow Stem Auger Sampling Method : - Well Casing Material : PVC Diameter : 4 inch Joints : - Length : 5 feet Well Screen Material : PVC Diameter : 4 inch Joints : - Opening : 0.01 inch Length : 15 feet Sand Pack : #1 Well Gravel Annulus Seal : -
4-20	Black, brown clayey sands, sand-clay mixtures black clay, some silts and fine sand	SC				Stick up: 2.5 feet Water level: 9 feet * Boring log derived from Monitoring Well Record

08-08-2010 L:\Installation Restoration Program Management\Non IRP Sites\700 Area\MW Information\Well Logs (Electronic)\700AMW01.bor

New Jersey State Department of Environmental Protection
Bureau of Water Systems and Well Permitting
PO BOX 426 Trenton, NJ 08625-0426 Tel: 609-984-6831

Well Permit Number
E200913386

MONITORING WELL RECORD

PROPERTY OWNER: JOSEPH FALLON

Company/Organization: United States Army

Address: 173 Riverside Avenue Fort Monmouth, New Jersey 07703

WELL LOCATION: US Army - 700 Area

Address: Alexander Ave

County: Monmouth Municipality: Eatontown Boro Lot: N/A Block: N/A

Easting (X): 618357 Northing (Y): 538591
Coordinate System: NJ State Plane (NAD83) - USFEET

DATE WELL STARTED: December 8, 2009

DATE WELL COMPLETED: December 8, 2009

WELL USE: MONITORING

Other Use(s):

Local ID: 700B MW-02

WELL CONSTRUCTION

Total Depth Drilled (ft.): 20 Finished Well Depth (ft.): 20 Well Surface: Above Grade

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	20	10		
Casing	2.5	5	4	PVC	sch 40
Screen	5	20	4	pvc	.010.

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	3	10	4	5	94.5	8
Gravel Pack	3	20	10	4	#1 well gravel		

Grouting Method: Pressure method (Tremie Pipe) Drilling Method: Hollow Stem Augers

ADDITIONAL INFORMATION

Protective Casing: Yes
Static Water Level: 9 ft. below land surface
Water Level Measure Tool: M-scope
Well Development Period: 1 hrs.
Method of Development: submersible pump
Pump Type:

Pump Capacity: _ gpm
Total Design Head: _ ft.
Drilling Fluid: N/A
Drill Rig: Diedrich D-120
Health and Safety Plan Submitted? Yes

ATTACHMENTS:

GEOLOGIC LOG

0 - 4: brown GW - Well-graded gravels and gravel-sand mixtures, little or no fines top soil, fine brown sand

4 - 20: black SC - Clayey sands, sand-clay mixtures clay with some silts, very fine sand, water 9 ft.

ADDITIONAL INFORMATION:

Driller of Record: William Lightner, MONITORING LICENSE # 215733 Company: TABASCO DRILLING CORP

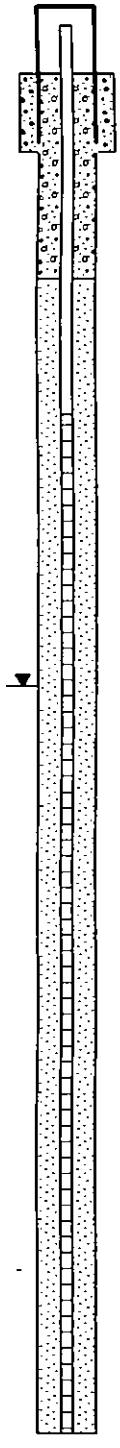
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING 700AMW02

U.S. Army
SELFM-PW-EV
JOSEPH FALLON
700 AREA
GROUNDWATER INVESTIGATION

NJDEP Permit #	: 200913386	Northing	: N 538593.319
NJDEP Case #	: -	Easting	: E 618355.472
Start Date	: 12/8/09	Logged By	: Tabasco Drilling Corp.
Completion Date	: 12/8/09	Driller	: William Lightner

Well: MW02
Elevation: 18.62



Depth in Feet	DESCRIPTION	USCS	GRAPHIC	Samples	Blow Count	Well Construction Information
0-2	Brown well-graded gravels and gravel-sand mixtures, little or no fines - top soil, fine brown sand	GW				Well Construction Hole Diameter : 10 inch Drill Method : Hollow Stem Auger Sampling Method : - Well Casing Material : PVC Diameter : 4 inch Joints : - Length : 5 feet Well Screen Material : PVC Diameter : 4 inch Joints : - Opening : 0.01 inch Length : 15 feet Sand Pack : #1 Well Gravel Annulus Seal : -
4-20	Black clayey sands, sand-clay mixtures clay with some silts, very fine sand	SC				Stick up: 2.5 feet Water level: 9 feet * Boring log derived from Monitoring Well Record

06-08-2010 L:\Installation Restoration Program Management\Non IRP Sites\700 Area\MW Information\Well Logs (Electronic)\700AMW02.bor

4607

[redacted] Environmental Protection
Bur[redacted]tems and Well Permitting
PO BOX [redacted]-0426 Tel: 60[redacted]331

Well Permit Number
E200913387

MONITORING WELL RECORD

PROPERTY OWNER: JOSEPH FALLON

Company/Organization: United States Army

Address: 173 Riverside Avenue Fort Monmouth, New Jersey 07703

WELL LOCATION: US Army - 700 Area

Address: Alexander Ave

County: Monmouth Municipality: Eatontown Boro Lot: N/A Block: N/A

Easting (X): 618504 Northing (Y): 538632
Coordinate System: NJ State Plane (NAD83) - USFEET

DATE WELL STARTED: December 8, 2009

DATE WELL COMPLETED: December 9, 2009

WELL USE: MONITORING

Other Use(s):

Local ID: 700C MW-03

WELL CONSTRUCTION

Total Depth Drilled (ft.): 20 Finished Well Depth (ft.): 20 Well Surface: Above Grade

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	20	10		
Casing	2.5	5	4	PVC	sch 40
Screen	5	20	4	pvc	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	3	10	4	5	94.5	8
Gravel Pack	3	20	10	4	#1 well gravel		

Grouting Method: Pressure method (Tremie Pipe) Drilling Method: Hollow Stem Augers

ADDITIONAL INFORMATION

Protective Casing: Yes
Static Water Level: 9 ft. below land surface
Water Level Measure Tool: M-scope
Well Development Period: 1 hrs.
Method of Development: submersible pump
Pump Type:

Pump Capacity: _ gpm
Total Design Head: _ ft.
Drilling Fluid: N/A
Drill Rig: Diedrich D-120
Health and Safety Plan Submitted? Yes

ATTACHMENTS:

GEOLOGIC LOG
0 - 4: brown GW - Well-graded gravels and gravel-sand mixtures, little or no fines top soil, fine brown sand
4 - 20: black SC - Clayey sands, sand-clay mixtures clay wih silts, very fine sand

ADDITIONAL INFORMATION:

Driller of Record: William Lightner, MONITORING LICENSE # 215733 Company: TABASCO DRILLING CORP

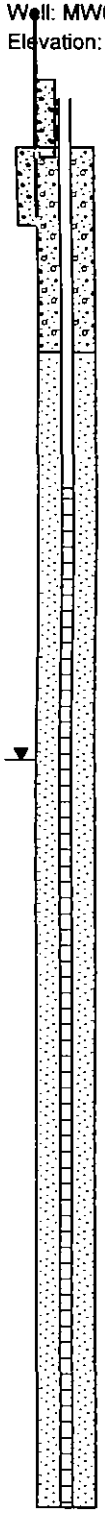
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

BORING 700AMW03

U.S. Army
SELFM-PW-EV
JOSEPH FALLON
700 AREA
GROUNDWATER INVESTIGATION

NJDEP Permit #	: 200913387	Northing	: N 538634.427
NJDEP Case #	: -	Easting	: E 618479.202
Start Date	: 12/8/09	Logged By	: Tabasco Drilling Corp.
Completion Date	: 12/9/09	Driller	: William Lightner

Well: MW03
Elevation: 19.18



Depth in Feet	DESCRIPTION	USCS	GRAPHIC	Samples	Blow Count
0 - 4	Brown well-graded gravels and gravel-sand mixtures, little or no fines - top soil, fine brown sand	GW			
4 - 20	Black clayey sands, sand-clay mixtures, clay with silts, very fine sand	SC			

Well Construction Information

Well Construction

Hole Diameter	: 10 inch
Drill Method	: Hollow Stem Auger
Sampling Method	: -

Well Casing

Material	: PVC *
Diameter	: 4 inch
Joints	: -
Length	: 5 feet

Well Screen

Material	: PVC
Diameter	: 4 inch
Joints	: -
Opening	: 0.01 inch
Length	: 15 feet

Sand Pack	: #1 Well Gravel
Annulus Seal	: -

Stick up: 2.5 feet
Water level: 9 feet

* Boring log derived from Monitoring Well Record

06-08-2010 L:\Installation Restoration Program Management\Non IRP Sites\700 Area\MW Information\Well Logs (Electronic)\700AMW03.bor

4607

New Jersey State Depart[redacted]ion
Bureau of Water Syst[redacted]
PO BOX 420 Trenton, NJ 08625-0420 Tel: 609-984-6831

Well Permit Number
E200913389

MONITORING WELL RECORD

PROPERTY OWNER: JOSEPH FALLON

Company/Organization: United States Army

Address: 173 Riverside Avenue Fort Monmouth, New Jersey 07703

WELL LOCATION: US Army - 700 Area

Address: Alexander Ave

County: Monmouth Municipality: Eatontown Boro Lot: N/A Block: N/A

Easting (X): 618582 Northing (Y): 538471
Coordinate System: NJ State Plane (NAD83) - USFEET

DATE WELL STARTED: December 10, 2009

DATE WELL COMPLETED: December 11, 2009

WELL USE: MONITORING

Other Use(s):

Local ID: 700D MW-~~010~~ 04

WELL CONSTRUCTION

Total Depth Drilled (ft.): 70 Finished Well Depth (ft.): 70 Well Surface: Above Grade

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	70	10		
Casing	0	50	4	PVC	sch 40
Screen	50	70	4	pvc	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	48	10	4	50	945	80
Gravel Pack	48	70	10	4	#1 well gravel		

Grouting Method: Pressure method (Tremie Pipe) Drilling Method: Hollow Stem Augers

ADDITIONAL INFORMATION

Protective Casing: Yes
Static Water Level: 15 ft. below land surface
Water Level Measure Tool: M-scope
Well Development Period: 1 hrs.
Method of Development: submersible pump
Pump Type:

Pump Capacity: _ gpm
Total Design Head: _ ft.
Drilling Fluid: N/A
Drill Rig: Diedrich D-120
Health and Safety Plan Submitted? Yes

ATTACHMENTS:

GEOLOGIC LOG
0 - 4: brown GW - Well-graded gravels and gravel-sand mixtures, little or no fines top soil, fine brown sand
4 - 70: black, brown SC - Clayey sands, sand-clay mixtures black clay with silts and very fine sand, water 15

ADDITIONAL INFORMATION:

Driller of Record: Barrie Woodington, MASTER LICENSE # 0001614 Company: TABASCO DRILLING CORP

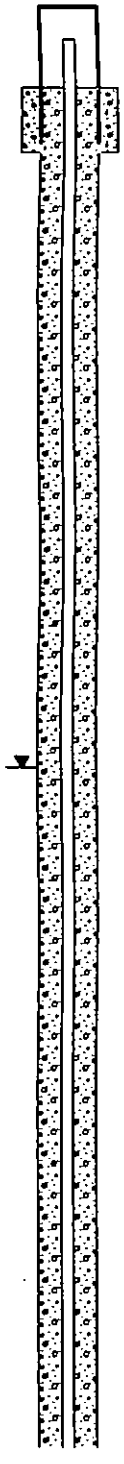
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING 700AMW04

U.S. Army
SELFM-PW-EV
JOSEPH FALLON
700 AREA
GROUNDWATER INVESTIGATION

NJDEP Permit #	: 200913389	Northing	: N 538483.168
NJDEP Case #	: -	Easting	: E 618580.679
Start Date	: 12/10/2009	Logged By	: Tabasco Drilling Corp.
Completion Date	: 12/11/2009	Driller	: William Lightner

Well: MW04
Elevation: 17.01



Depth in Feet	DESCRIPTION	USCS	GRAPHIC	Samples	Blow Count
0–5	Brown well-graded gravels and gravel-sand mixtures, little or no fines top soil, fine brown sand	GW			
5–15	Black, brown clayey sands, sand-clay mixtures black clay with silts and very fine sand	SC			
15–25	Groundwater encountered at 15'				

Well Construction Information

Well Construction

Hole Diameter	: 10 inch
Drill Method	: Hollow Stem Auger

Well Casing

Material	: PVC
Diameter	: 4 inch
Joints	: Threaded
Length	: 50 feet

Well Screen

Material	: PVC
Diameter	: 4 inch
Joints	: Threaded
Opening	: 0.01 inch
Length	: 20 feet

Sand Pack	: #1 Well Gravel
Annulus Seal	: Neat cement/bentonite

Stick up: 2.5 feet
Water level: 15 feet

*Boring log derived from Monitoring Well Record

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING 700AMW04

U.S. Army
SELFM-PW-EV
JOSEPH FALLON
700 AREA
GROUNDWATER INVESTIGATION

NJDEP Permit #	: 200913389	Northing	: N 538483.168
NJDEP Case #	: -	Easting	: E 618580.679
Start Date	: 12/10/2009	Logged By	: Tabasco Drilling Corp.
Completion Date	: 12/11/2009	Driller	: William Lightner

Well: MW04
Elevation: 17.01

Depth in Feet	DESCRIPTION	USCS	GRAPHIC	Samples	Blow Count
25–50		SC			

Well Construction Information

Well Construction

Hole Diameter	: 10 inch
Drill Method	: Hollow Stem Auger

Well Casing

Material	: PVC
Diameter	: 4 inch
Joints	: Threaded
Length	: 50 feet

Well Screen

Material	: PVC
Diameter	: 4 inch
Joints	: Threaded
Opening	: 0.01 inch
Length	: 20 feet

Sand Pack	: #1 Well Gravel
Annulus Seal	: Neat cement/bentonite

Stick up: 2.5 feet
Water level: 15 feet

*Boring log derived from Monitoring Well Record

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

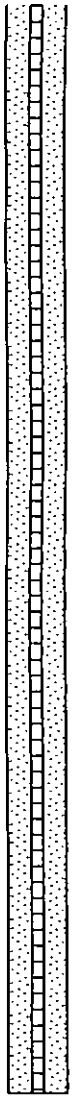
LOG OF BORING 700AMW04

U.S. Army
SELFM-PW-EV
JOSEPH FALLON
700 AREA
GROUNDWATER INVESTIGATION

NJDEP Permit #	: 200913389	Northing	: N 538483.168
NJDEP Case #	: -	Easting	: E 618580.679
Start Date	: 12/10/2009	Logged By	: Tabasco Drilling Corp.
Completion Date	: 12/11/2009	Driller	: William Lightner

Well: MW04
Elevation: 17.01

Depth In Feet	DESCRIPTION	USCS	GRAPHIC	Samples	Blow Count	Well Construction Information
50–75		SC				



Well Construction

Hole Diameter : 10 inch
Drill Method : Hollow Stem Auger

Well Casing

Material : PVC
Diameter : 4 inch
Joints : Threaded
Length : 50 feet

Well Screen

Material : PVC
Diameter : 4 inch
Joints : Threaded
Opening : 0.01 inch
Length : 20 feet

Sand Pack : #1 Well Gravel
Annulus Seal : Neat cement/bentonite

Stick up: 2.5 feet
Water level: 15 feet

*Boring log derived from Monitoring Well Record

New Jersey State Department of Environmental Protection
Bureau of Water Systems and Well Permitting
PO BOX 426 Trenton, NJ 08625-0426 Tel: 609-984-6831

Well Permit Number
E200913388

MONITORING WELL RECORD

PROPERTY OWNER: JOSEPH FALLON

Company/Organization: United States Army

Address: 173 Riverside Avenue Fort Monmouth, New Jersey 07703

WELL LOCATION: US Army - 700 Area

Address: Alexander Ave

County: Monmouth Municipality: Eatontown Boro Lot: N/A Block: N/A

Easting (X): 618582 Northing (Y): 538481
Coordinate System: NJ State Plane (NAD83) - USFEET

DATE WELL STARTED: December 8, 2009

DATE WELL COMPLETED: December 9, 2009

WELL USE: MONITORING

Other Use(s):

Local ID: 700E MW-405

WELL CONSTRUCTION

Total Depth Drilled (ft.): 20 Finished Well Depth (ft.): 20 Well Surface: Above Grade

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	20	10		
Casing	2.5	5	4	PVC	sch 40
Screen	5	20	4	pvc	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	3	10	4	5	94.5	8
Gravel Pack	3	20	10	4	#1 well gravel		

Grouting Method: Pressure method (Tremie Pipe) Drilling Method: Hollow Stem Augers

ADDITIONAL INFORMATION

Protective Casing: Yes
Static Water Level: 9 ft. below land surface
Water Level Measure Tool: M-scope
Well Development Period: 1 hrs.
Method of Development: submersible pump
Pump Type:

Pump Capacity: _ gpm
Total Design Head: _ ft.
Drilling Fluid:
Drill Rig: Diedrich D-120
Health and Safety Plan Submitted? Yes

ATTACHMENTS:

GEOLOGIC LOG
0 - 4: brown GW - Well-graded gravels and gravel-sand mixtures, little or no fines top soil, fine brown sand
4 - 20: black SC - Clayey sands, sand-clay mixtures clay with silts, very fine sand

ADDITIONAL INFORMATION:

Driller of Record: William Lightner, MONITORING LICENSE # 215733 Company: TABASCO DRILLING CORP

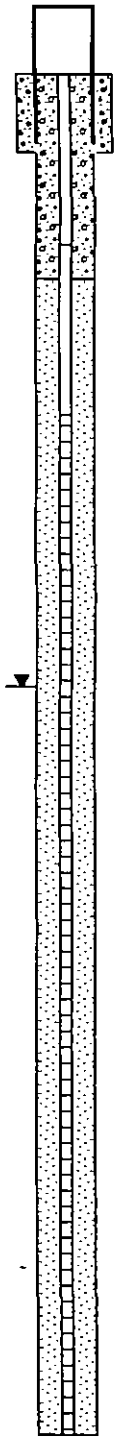
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING 700AMW05

U.S. Army
SELFM-PW-EV
JOSEPH FALLON
700 AREA
GROUNDWATER INVESTIGATION

NJDEP Permit #	: E200913388	Northing	: N 538473.044
NJDEP Case #	: -	Easting	: E 618580.731
Start Date	: 12/8/2009	Logged By	: Howard Syvarth
Completion Date	: 12/9/2009	Driller	: Tabasco Drilling Corp

Well: MW05
Elevation: 16.48



Depth in Feet	DESCRIPTION	USCS	GRAPHIC	Samples	Blow Count
0 – 2	Brown well-graded gravels and gravel-sand mixtures, little or no fines top soil, fine brown sand	GW			
4 – 20	Black clayey sands, sand-clay mixtures clay with silts, very fine sand	SC			

Well Construction Information

Well Construction

Hole Diameter	: 10 inches
Drill Method	: Hollow Stem Auger
Sampling Method	: Split Spoon

Well Casing

Material	: PVC
Diameter	: 4 Inches
Joints	: Threaded
Length	: 5 feet

Well Screen

Material	: PVC
Diameter	: 4 Inches
Joints	: Threaded
Opening	: 0.010 inch
Length	: 15 feet

Sand Pack	: No. 1 Well Sand
Annulus Seal	: Neat Cement/ : Bentonite

Stick up: *outer casing height not indicated on Monitoring Well Record
Static water level: 9.0 feet

*Boring log derived from Monitoring Well Record

ENCLOSURE 4 of Attachment P

700 Area Groundwater Analytical Data Reports

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732) 532-6224 FAX: (732) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 700 Area
New Wells 1st Round

700 Area/New Wells

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Trip Blank	9049301	Aqueous	30-Dec-09 08:00	12/30/09
Field Blank	9049302	Aqueous	30-Dec-09 11:30	12/30/09
Duplicate	9049303	Aqueous	30-Dec-09 11:40	12/30/09
700/MW#A	9049304*	Aqueous	30-Dec-09 11:40	12/30/09
700/MW#B	9049305	Aqueous	30-Dec-09 11:50	12/30/09
700/MW#C	9049306	Aqueous	30-Dec-09 12:00	12/30/09
700/MW#D	9049307	Aqueous	30-Dec-09 12:20	12/30/09
700/MW#E	9049308	Aqueous	30-Dec-09 13:30	12/30/09

*DUP. Sample is 9049304

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15

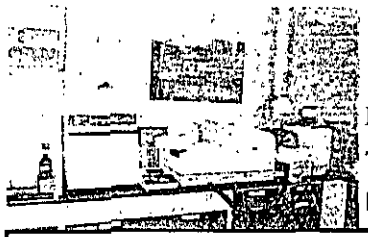
Dean Tardiff/Date: 1/19/10
Laboratory Manager

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

Table of Contents

Section	Pages
Sampling	1-8
Conformance/Non-Conformance Summary	9-11
Method Summary	12-13
Laboratory Chronicle	14-15
Volatile Organics	16
Qualifier Codes	17
Results Summary	18-35
Initial Calibration	36-61
Continuing Calibration	62-66
Method Blank Summary	67
Surrogate Results Summary	68
MS/MSD Results Summary	69-70
Internal Standard Area Summary	71
Raw Sample Data	72-89
Raw MS/MSD Sample Data	90-94
Laboratory Deliverables Checklist	95
Laboratory Authentication Statement	96

SAMPLING



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:jacqueline.hamer@us.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: JOE FALLON
Phone #: 732-532-6223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: NEW WELLS
FIRST SAMPLING

Samplers Name / Company: WALTER FUNK / TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA+15								Comments: Remarks / Preservation Method
10443 .01	700 TRIP BLANK	12-30-09	8:00	AQ	2	X								
.02	700 FIELD BLANK	12-30-09	11:30	AQ	2	X								
.03	700 DUP.	12-30-09	——	AQ	2	X								
.04	700 MW#A*	12-30-09	11:40	AQ	2	X								
.05	700 MW#B	12-30-09	11:50	AQ	2	X								
.06	700 MW#C	12-30-09	12:00	AQ	2	X								
.07	700 MW#D	12-30-09	12:20	AQ	2	X								
.08	700 MW#E	12:30-09	13:30	AQ	4	X								

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
W Walter Funk	12/30/09 15:50	J. Hamer			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (X)Reduced, (X)Standard, (_)Screen / non-certified, (_)EDD
Turnaround time: (X)Standard 3 wks, (_)Rush Wk., (_)ASAP Verbal ____Hrs.

Comments: MS/MSD @ MW#E

000002

print legibly

new coc._1.XLS10/9/2009

SAMPLE RECEIPT FORM

Date Received: 12-30-09 Work Order ID#: 90493

Site/Proj. Name: 700 15th St Cooler Temp (°C): 3.5°C

Received By: J. Cerqueira Sign: J. Cerqueira
(Print name)

Check the appropriate box

1. Did the samples come in a cooler?	☑ yes	☐ no	☐ n/a
2. Were samples rec'd in good condition?	☑ yes	☐ no	
3. Was the chain of custody filled out correctly and legibly?	☑ yes	☐ no	
4. Was the chain of custody signed in the appropriate place?	☑ yes	☐ no	
5. Did the labels agree with the chain of custody?	☑ yes	☐ no	
6. Were the correct containers/preservatives used?	☑ yes	☐ no	
7. Was a sufficient amount of sample supplied?	☑ yes	☐ no	
8. Were air bubbles present in VOA vials?	☐ yes	☑ no	☐ n/a
9. Were samples received on ice?	☑ yes	☐ no	
10. Were analyze-immediately tests perform within 15 minutes	☐ yes	☐ no	☑ n/a

Fill out the following table for each sample bottle

Lims ID	pH	Preservative	Sample ID	pH	Preservative
90493/F8	N/A	HCl			

Comments: _____

US ARMY FORT MONMOUTH MONITOR WELL SAMPLING

LOCATION: 700
MW # A
NJDEP ID #
NJDEP CERT. # 13461
SAMPLING CONTRACTOR: TECOM-VINNELL SERVICES
SAMPLER: WALTER FUNK
DATE: 12/30/09
WEATHER: Sunny and cold.
TIDE: N/A

Sampling Conducted in Accordance with TVS SOP SAM-0205

	TDOW-22.28
Initial Readings:	
Elevation of Casing Survey Mark:	4.11 ft
Depth of Well:	22.28 ft
Height of Water in Well:	18.17 ft
PID/FID Reading:	0.82/1.48 ppm
Gallons of Water to be Purged:	36 Gal.
Formula: ht.of water x (0.163 for 2" well or 0.65 for 4" well) x 3 =	35.43
Purge Method: Peristaltic Pump/Other (Specify)	
Purge Rate: Not to Exceed Well Draw Down of 0.5' 36/157	Gal/Min.

Purge Data:
Start Time of Purging: 08:55
End Time of Purging: 11:32

	Initial Value	Pre-Sample	Post-Sample
pH:	7.15 su	5.90 su	5.84 su
Temperature:	9.69 (°C)	10.16 (°C)	9.97 (°C)
Specific Conductivity:	3338 us/cm	2506 us/cm	2557 us/cm
ORP:	80	51 mv	56 mv
DO:	4.45 mg/L	1.24 mg/L	1.15 mg/L
Depth to Water Post Purge:	9.64 ft		
Depth to Water Post Sampling:	9.73 ft		
Sampling Start Time:	11:40		
Sampling End Time:	11:44		

Comments :DUP. here.

US ARMY FORT MONMOUTH MONITOR WELL SAMPLING

LOCATION: 700
MW # B
NJDEP ID #
NJDEP CERT. # 13461
SAMPLING CONTRACTOR: TECOM-VINNELL SERVICES
SAMPLER: WALTER FUNK
DATE: 12/30/09
WEATHER: Sunny and cold.
TIDE: N/A

Sampling Conducted in Accordance with TVS SOP SAM-0205

TDOW-22.19

Initial Readings:

Elevation of Casing Survey Mark:		4.36 ft
Depth of Well:		22.19 ft
Height of Water in Well:		17.83 ft
PID/FID Reading:		.85/79.16 ppm
Gallons of Water to be Purged:		35 Gal.
Formula: ht.of water x (0.163 for 2" well or 0.65 for 4" well) x 3 =		34.76
Purge Method: Peristaltic Pump/Other (Specify)		
Purge Rate: Not to Exceed Well Draw Down of 0.5'	35/152	Gal/Min.

Purge Data:

Start Time of Purging: 09:09
End Time of Purging: 11:31

	Initial Value	Pre-Sample	Post-Sample
pH:	6.07 su	5.57 su	5.60 su
Temperature:	9.72 (°C)	10.25 (°C)	10.45 (°C)
Specific Conductivity:	5058 us/cm	3902 us/cm	4038 us/cm
ORP:	91 mv	65 mv	60 mv
DO:	2.28 mg/L	0.86 mg/L	0.82 mg/L
Depth to Water Post Purge:	6.78		
Depth to Water Post Sampling:	6.83		
Sampling Start Time:	11:50		
Sampling End Time:	11:53		

Comments:

US ARMY FORT MONMOUTH MONITOR WELL SAMPLING

LOCATION: 700
MW # C
NJDEP ID #
NJDEP CERT. # 13461
SAMPLING CONTRACTOR: TECOM-VINNELL SERVICES
SAMPLER: WALTER FUNK
DATE: 12/30/09
WEATHER: Sunny and cold.
TIDE: N/A

Sampling Conducted in Accordance with TVS SOP SAM-0205

TDOW-22.20

Initial Readings:

Elevation of Casing Survey Mark:	5.12 ft
Depth of Well:	22.20 ft
Height of Water in Well:	17.08 ft
PID/FID Reading:	0.52/0.00 ppm
Gallons of Water to be Purged:	33 Gal.
Formula: ht.of water x (0.163 for 2" well or 0.65 for 4" well) x 3 =	33.3
Purge Method: Peristaltic Pump/Other (Specify)	
Purge Rate: Not to Exceed Well Draw Down of 0.5' 33/143	Gal/Min.

Purge Data:

Start Time of Purging: 09:23
End Time of Purging: 11:46

	Initial Value	Pre-Sample	Post-Sample
pH:	5.21 su	4.91 su	4.63 su
Temperature:	10.42 (°C)	10.05 (°C)	10.06 (°C)
Specific Conductivity:	1979 us/cm	1833 us/cm	1784 us/cm
ORP:	102 mv	59 mv	106 mv
DO:	4.21 mg/L	1.22 mg/L	1.17 mg/L
Depth to Water Post Purge:	5.23		
Depth to Water Post Sampling:	5.28		
Sampling Start Time:	12:00		
Sampling End Time:	12:03		

Comments:

US ARMY FORT MONMOUTH MONITOR WELL SAMPLING

LOCATION: 700
MW # D
NJDEP ID #
NJDEP CERT. # 13461
SAMPLING CONTRACTOR: TECOM-VINNELL SERVICES
SAMPLER: WALTER FUNK
DATE: 12/30/09
WEATHER: Sunny and cold.
TIDE: N/A

Sampling Conducted in Accordance with TVS SOP SAM-0205

	TDOW-22.21
Initial Readings:	
Elevation of Casing Survey Mark:	3.95 ft
Depth of Well:	22.21 ft
Height of Water in Well:	18.26 ft
PID/FID Reading:	0.52/0.00 ppm
Gallons of Water to be Purged:	36 Gal.
Formula: ht.of water x (0.163 for 2" well or 0.65 for 4" well) x 3 =	35.6
Purge Method: Peristaltic Pump/Other (Specify)	
Purge Rate: Not to Exceed Well Draw Down of 0.5'	36/157 Gal/Min.

Purge Data:
Start Time of Purging: 09:49
End Time of Purging: 12:16

	Initial Value	Pre-Sample	Post-Sample
pH:	4.49 su	4.35 su	4.25 su
Temperature:	9.08 (°C)	8.71 (°C)	8.73 (°C)
Specific Conductivity:	1832 us/cm	1773 us/cm	1775 us/cm
ORP:	134 mv	109 mv	118 mv
DO:	3.18 mg/L	1.02 mg/L	1.03 mg/L
Depth to Water Post Purge:	4.38		
Depth to Water Post Sampling:	4.42		
Sampling Start Time:	12:20		
Sampling End Time:	12:23		

Comments:

US ARMY FORT MONMOUTH MONITOR WELL SAMPLING

LOCATION: 700
MW # E
NJDEP ID #
NJDEP CERT. # 13461
SAMPLING CONTRACTOR: TECOM-VINNELL SERVICES
SAMPLER: WALTER FUNK
DATE: 12/30/09
WEATHER: Sunny and cold.
TIDE: N/A

Sampling Conducted in Accordance with TVS SOP SAM-0205

TDOW-71.67

Initial Readings:

Elevation of Casing Survey Mark:		6.00 ft
Depth of Well:		71.67 ft
Height of Water in Well:		65.67 ft
PID/FID Reading:		0.48/0.12 ppm
Gallons of Water to be Purged:		128 Gal.
Formula: ht.of water x (0.163 for 2" well or 0.65 for 4" well) x 3 =		128.5
Purge Method: Peristaltic Pump/Other (Specify)		
Purge Rate: Not to Exceed Well Draw Down of 0.5'	128/556	Gal/Min.

Purge Data:

Start Time of Purging: 08:27
End Time of Purging: 13:05

	Initial Value	Pre-Sample	Post-Sample
pH:	6.26 su	6.23 su	6.48 su
Temperature:	10.28 (°C)	12.17 (°C)	12.00 (°C)
Specific Conductivity:	2447 us/cm	2277 us/cm	2251 us/cm
ORP:	34 mv	59 mv	16 mv
DO:	0.76 mg/L	0.55 mg/L	0.32 mg/L
Depth to Water Post Purge:	12.77		
Depth to Water Post Sampling:	12.88		
Sampling Start Time:	13:10		
Sampling End Time:	13:15		

Comments:

CONFORMANCE/ NON-CONFORMANCE SUMMARY

90493 VOA

GC/MS ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT

	Indicate Yes, No, N/A
1. Chromatograms labeled/Compounds identified (Field samples and method blanks)	Yes
2. Retention times for chromatograms provided	Yes
3. GC/MS Tune Specifications	
a. BFB Meet Criteria	Yes
b. DFTPP Meet Criteria	N/A
4. GC/MS Tuning Frequency – Performed every 24 hours for 600 series and 12 hours for 8000 series	Yes
5. GC/MS Calibration – Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series	Yes
6. GC/MS Calibration requirements	
a. Calibration Check Compounds Meet Criteria	Yes
b. System Performance Check Compounds Meet Criteria	Yes
7. Blank Contamination – If yes, List compounds and concentrations in each blank:	No
a. VOA Fraction_____	
b. B/N Fraction_____	
c. Acid Fraction_____	
8. Surrogate Recoveries Meet Criteria	Yes
If not met, list those compounds and their recoveries, which fall outside the acceptable range:	
a. VOA Fraction_____	
b. B/N Fraction_____	
c. Acid Fraction_____	
If not met, were the calculations checked and the results qualified as "estimated"?	
9. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria (If not met, list those compounds and their recoveries, which fall outside the acceptable range)	Yes
a. VOA Fraction_____	
b. B/N Fraction_____	
c. Acid Fraction_____	

GC/MS ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT (cont.)

Indicate
Yes, No, N/A

10. Internal Standard Area/Retention Time Shift Meet Criteria — Yes
(If not met, list those compounds, which fall outside the acceptable range)

a. VOA Fraction _____
b. B/N Fraction _____
c. Acid Fraction _____ LS 1/8/10

11. Extraction Holding Time Met — ~~Yes~~ N/A

If not met, list the number of days exceeded for each sample: _____

12. Analysis Holding Time Met — Yes

If not met, list the number of days exceeded for each sample: _____

Additional Comments:

Laboratory Manager: [signature] Date: 1/19/10

[signature] 1/8/10

METHOD SUMMARY

Method Summary

EPA Method 624 – Aqueous
Gas Chromatographic Determination of Volatiles in Water

An inert gas is bubbled through a 5 mL water sample contained in a specifically designed purging chamber at ambient temperature. The purgeable compounds are efficiently transferred from the aqueous phase to the vapor phase. The vapor is swept through a sorbent column where the purgeables are trapped. After purging is complete, the sorbent column is heated and backflushed with the inert gas to desorb the purgeable compounds onto the gas chromatographic (GC) column. The GC is temperature programmed to separate the purgeable compounds which are then detected with a Mass Spectrometer (MS).

LABORATORY CHRONICLE

Laboratory Chronicle

Lab ID: 90493 **Site:** 700 Area

	Date	Hold Time
Date Sampled	12/30/09	NA
Receipt/Refrigeration	12/30/09	NA

Analyses

1. Volatiles	01/07/10	14 Days

VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:
(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the reporting limit but greater than the MDL.
(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA5265.D	Sample Name	MB01071001
Operator	ROBERTS	Field ID	METHOD 624 1/7/10
Date Acquired	7 Jan 2010 12:19 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.09 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	2	1.64 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.89 ug/L	5.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.18 ug/L	0.50 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.12 ug/L	0.50 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.22 ug/L	0.50 ug/L	
74-87-3	Chloromethane			not detected	nle	0.10 ug/L	0.50 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.22 ug/L	0.50 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	0.50 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	0.50 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.18 ug/L	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.20 ug/L	0.50 ug/L	
67-64-1	Acetone			not detected	6000	0.18 ug/L	0.50 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.18 ug/L	0.50 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.16 ug/L	0.50 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.20 ug/L	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.19 ug/L	0.50 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	0.50 ug/L	
78-93-3	2-Butanone			not detected	300	0.16 ug/L	0.50 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.14 ug/L	0.50 ug/L	
67-66-3	Chloroform			not detected	70	0.21 ug/L	0.50 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.17 ug/L	0.50 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.27 ug/L	0.50 ug/L	
71-43-2	Benzene			not detected	1	0.16 ug/L	0.50 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.19 ug/L	0.50 ug/L	
79-01-6	Trichloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	0.50 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	0.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.16 ug/L	0.50 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.26 ug/L	0.50 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	0.50 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.12 ug/L	0.50 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.14 ug/L	0.50 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.20 ug/L	0.50 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	0.50 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.16 ug/L	0.50 ug/L	
630-20-6	1,1,1,2-tetrachloroethane			not detected	1	0.15 ug/L	0.50 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.27 ug/L	1.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.14 ug/L	0.50 ug/L	
100-42-5	Styrene			not detected	100	0.12 ug/L	0.50 ug/L	
75-25-2	Bromoform			not detected	4	0.14 ug/L	0.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.12 ug/L	0.50 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.12 ug/L	0.50 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
J= Estimated concentration, value falls between R.L. and M.D.L.

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MB01071001

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 90493

Matrix: (soil/water) WATER Lab Sample ID: MB01071001

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA5265.D

Level: (low/med) LOW Date Received: 12/30/2009

% Moisture: not dec. Date Analyzed: 1/7/2010

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA5271.D	Sample Name	9049301
Operator	ROBERTS	Field ID	700 TRIP BLANK
Date Acquired	7 Jan 2010 4:06 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.09 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	2	1.64 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.89 ug/L	5.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.18 ug/L	0.50 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.12 ug/L	0.50 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.22 ug/L	0.50 ug/L	
74-87-3	Chloromethane			not detected	nle	0.10 ug/L	0.50 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.22 ug/L	0.50 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	0.50 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	0.50 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.18 ug/L	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.20 ug/L	0.50 ug/L	
67-64-1	Acetone			not detected	6000	0.18 ug/L	0.50 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.18 ug/L	0.50 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.16 ug/L	0.50 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.20 ug/L	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.19 ug/L	0.50 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	0.50 ug/L	
78-93-3	2-Butanone			not detected	300	0.16 ug/L	0.50 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.14 ug/L	0.50 ug/L	
67-66-3	Chloroform			not detected	70	0.21 ug/L	0.50 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.17 ug/L	0.50 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.27 ug/L	0.50 ug/L	
71-43-2	Benzene			not detected	1	0.16 ug/L	0.50 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.19 ug/L	0.50 ug/L	
79-01-6	Trichloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	0.50 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	0.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.16 ug/L	0.50 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.26 ug/L	0.50 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	0.50 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.12 ug/L	0.50 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.14 ug/L	0.50 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.20 ug/L	0.50 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	0.50 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.16 ug/L	0.50 ug/L	
630-20-6	1,1,1,2-tetrachloroethane			not detected	1	0.15 ug/L	0.50 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.27 ug/L	1.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.14 ug/L	0.50 ug/L	
100-42-5	Styrene			not detected	100	0.12 ug/L	0.50 ug/L	
75-25-2	Bromoform			not detected	4	0.14 ug/L	0.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.12 ug/L	0.50 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.12 ug/L	0.50 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
J= Estimated concentration, value falls between R.L. and M.D.L.
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

700 TRIP BLANK

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 90493

Matrix: (soil/water) WATER Lab Sample ID: 9049301

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA5271.D

Level: (low/med) LOW Date Received: 12/30/2009

% Moisture: not dec. Date Analyzed: 1/7/2010

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA5272.D	Sample Name	9049302
Operator	ROBERTS	Field ID	700 FIELD BLANK
Date Acquired	7 Jan 2010 4:37 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.09 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	2	1.64 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.89 ug/L	5.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.18 ug/L	0.50 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.12 ug/L	0.50 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.22 ug/L	0.50 ug/L	
74-87-3	Chloromethane			not detected	nle	0.10 ug/L	0.50 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.22 ug/L	0.50 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	0.50 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	0.50 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.18 ug/L	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.20 ug/L	0.50 ug/L	
67-64-1	Acetone			not detected	6000	0.18 ug/L	0.50 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.18 ug/L	0.50 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.16 ug/L	0.50 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.20 ug/L	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.19 ug/L	0.50 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	0.50 ug/L	
78-93-3	2-Butanone			not detected	300	0.16 ug/L	0.50 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.14 ug/L	0.50 ug/L	
67-66-3	Chloroform			not detected	70	0.21 ug/L	0.50 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.17 ug/L	0.50 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.27 ug/L	0.50 ug/L	
71-43-2	Benzene			not detected	1	0.16 ug/L	0.50 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.19 ug/L	0.50 ug/L	
79-01-6	Trichloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	0.50 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	0.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.16 ug/L	0.50 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.26 ug/L	0.50 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	0.50 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.12 ug/L	0.50 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.14 ug/L	0.50 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.20 ug/L	0.50 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	0.50 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.16 ug/L	0.50 ug/L	
630-20-6	1,1,1,2-tetrachloroethane			not detected	1	0.15 ug/L	0.50 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.27 ug/L	1.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.14 ug/L	0.50 ug/L	
100-42-5	Styrene			not detected	100	0.12 ug/L	0.50 ug/L	
75-25-2	Bromoform			not detected	4	0.14 ug/L	0.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.12 ug/L	0.50 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.12 ug/L	0.50 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
J= Estimated concentration, value falls between R.L. and M.D.L.

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

700 FIELD BLANK

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 90493

Matrix: (soil/water) WATER Lab Sample ID: 9049302

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA5272.D

Level: (low/med) LOW Date Received: 12/30/2009

% Moisture: not dec. Date Analyzed: 1/7/2010

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA5273.D	Sample Name	9049303
Operator	ROBERTS	Field ID	700 DUP
Date Acquired	7 Jan 2010 5:08 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.09 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	2	1.64 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.89 ug/L	5.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.18 ug/L	0.50 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.12 ug/L	0.50 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.22 ug/L	0.50 ug/L	
74-87-3	Chloromethane			not detected	nle	0.10 ug/L	0.50 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.22 ug/L	0.50 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	0.50 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	0.50 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.18 ug/L	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.20 ug/L	0.50 ug/L	
67-64-1	Acetone			not detected	6000	0.18 ug/L	0.50 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.18 ug/L	0.50 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.16 ug/L	0.50 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.20 ug/L	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.19 ug/L	0.50 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	0.50 ug/L	
78-93-3	2-Butanone			not detected	300	0.16 ug/L	0.50 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.14 ug/L	0.50 ug/L	
67-66-3	Chloroform			not detected	70	0.21 ug/L	0.50 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.17 ug/L	0.50 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.27 ug/L	0.50 ug/L	
71-43-2	Benzene			not detected	1	0.16 ug/L	0.50 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.19 ug/L	0.50 ug/L	
79-01-6	Trichloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	0.50 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	0.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.16 ug/L	0.50 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.26 ug/L	0.50 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	0.50 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.12 ug/L	0.50 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.14 ug/L	0.50 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.20 ug/L	0.50 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	0.50 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.16 ug/L	0.50 ug/L	
630-20-6	1,1,1,2-tetrachloroethane			not detected	1	0.15 ug/L	0.50 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.27 ug/L	1.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.14 ug/L	0.50 ug/L	
100-42-5	Styrene			not detected	100	0.12 ug/L	0.50 ug/L	
75-25-2	Bromoform			not detected	4	0.14 ug/L	0.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.12 ug/L	0.50 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.12 ug/L	0.50 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
J= Estimated concentration, value falls between R.L. and M.D.L.

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1/8/2010 9:04 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

700 DUP

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 90493

Matrix: (soil/water) WATER Lab Sample ID: 9049303

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA5273.D

Level: (low/med) LOW Date Received: 12/30/2009

% Moisture: not dec. Date Analyzed: 1/7/2010

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA5274.D	Sample Name	9049304
Operator	ROBERTS	Field ID	700 MW#A
Date Acquired	7 Jan 2010 5:39 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.09 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	2	1.64 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.89 ug/L	5.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.18 ug/L	0.50 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.12 ug/L	0.50 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.22 ug/L	0.50 ug/L	
74-87-3	Chloromethane			not detected	nle	0.10 ug/L	0.50 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.22 ug/L	0.50 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	0.50 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	0.50 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.18 ug/L	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.20 ug/L	0.50 ug/L	
67-64-1	Acetone			not detected	6000	0.18 ug/L	0.50 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.18 ug/L	0.50 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.16 ug/L	0.50 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.20 ug/L	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.19 ug/L	0.50 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	0.50 ug/L	
78-93-3	2-Butanone			not detected	300	0.16 ug/L	0.50 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.14 ug/L	0.50 ug/L	
67-66-3	Chloroform			not detected	70	0.21 ug/L	0.50 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.17 ug/L	0.50 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.27 ug/L	0.50 ug/L	
71-43-2	Benzene			not detected	1	0.16 ug/L	0.50 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.19 ug/L	0.50 ug/L	
79-01-6	Trichloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	0.50 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	0.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.16 ug/L	0.50 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.26 ug/L	0.50 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	0.50 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.12 ug/L	0.50 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.14 ug/L	0.50 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.20 ug/L	0.50 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	0.50 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.16 ug/L	0.50 ug/L	
630-20-6	1,1,1,2-tetrachloroethane			not detected	1	0.15 ug/L	0.50 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.27 ug/L	1.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.14 ug/L	0.50 ug/L	
100-42-5	Styrene			not detected	100	0.12 ug/L	0.50 ug/L	
75-25-2	Bromoform			not detected	4	0.14 ug/L	0.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.12 ug/L	0.50 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.12 ug/L	0.50 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
J= Estimated concentration, value falls between R.L. and M.D.L.
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

700 MW#A

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 90493

Matrix: (soil/water) WATER Lab Sample ID: 9049304

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA5274.D

Level: (low/med) LOW Date Received: 12/30/2009

% Moisture: not dec. Date Analyzed: 1/7/2010

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA5275.D	Sample Name	9049305
Operator	ROBERTS	Field ID	700 MW#B
Date Acquired	7 Jan 2010 6:10 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.09 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	2	1.64 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.89 ug/L	5.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.18 ug/L	0.50 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.12 ug/L	0.50 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.22 ug/L	0.50 ug/L	
74-87-3	Chloromethane			not detected	nle	0.10 ug/L	0.50 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.22 ug/L	0.50 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	0.50 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	0.50 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.18 ug/L	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.20 ug/L	0.50 ug/L	
67-64-1	Acetone			not detected	6000	0.18 ug/L	0.50 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.18 ug/L	0.50 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.16 ug/L	0.50 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.20 ug/L	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.19 ug/L	0.50 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	0.50 ug/L	
78-93-3	2-Butanone			not detected	300	0.16 ug/L	0.50 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.14 ug/L	0.50 ug/L	
67-66-3	Chloroform			not detected	70	0.21 ug/L	0.50 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.17 ug/L	0.50 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.27 ug/L	0.50 ug/L	
71-43-2	Benzene			not detected	1	0.16 ug/L	0.50 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.19 ug/L	0.50 ug/L	
79-01-6	Trichloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	0.50 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	0.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.16 ug/L	0.50 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.26 ug/L	0.50 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	0.50 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.12 ug/L	0.50 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.14 ug/L	0.50 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.20 ug/L	0.50 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	0.50 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.16 ug/L	0.50 ug/L	
630-20-6	1,1,1,2-tetrachloroethane			not detected	1	0.15 ug/L	0.50 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.27 ug/L	1.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.14 ug/L	0.50 ug/L	
100-42-5	Styrene			not detected	100	0.12 ug/L	0.50 ug/L	
75-25-2	Bromoform			not detected	4	0.14 ug/L	0.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.12 ug/L	0.50 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.12 ug/L	0.50 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
J= Estimated concentration, value falls between R.L. and M.D.L.

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1/8/2010 9:05 AM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

700 MW#B

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 90493

Matrix: (soil/water) WATER Lab Sample ID: 9049305

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA5275.D

Level: (low/med) LOW Date Received: 12/30/2009

% Moisture: not dec. Date Analyzed: 1/7/2010

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA5276.D	Sample Name	9049306
Operator	ROBERTS	Field ID	700 MW#C
Date Acquired	7 Jan 2010 6:41 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.09 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	2	1.64 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.89 ug/L	5.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.18 ug/L	0.50 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.12 ug/L	0.50 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.22 ug/L	0.50 ug/L	
74-87-3	Chloromethane			not detected	nle	0.10 ug/L	0.50 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.22 ug/L	0.50 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	0.50 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	0.50 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.18 ug/L	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.20 ug/L	0.50 ug/L	
67-64-1	Acetone			not detected	6000	0.18 ug/L	0.50 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.18 ug/L	0.50 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.16 ug/L	0.50 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.20 ug/L	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.19 ug/L	0.50 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	0.50 ug/L	
78-93-3	2-Butanone			not detected	300	0.16 ug/L	0.50 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.14 ug/L	0.50 ug/L	
67-66-3	Chloroform			not detected	70	0.21 ug/L	0.50 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.17 ug/L	0.50 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.27 ug/L	0.50 ug/L	
71-43-2	Benzene			not detected	1	0.16 ug/L	0.50 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.19 ug/L	0.50 ug/L	
79-01-6	Trichloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	0.50 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	0.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.16 ug/L	0.50 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.26 ug/L	0.50 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	0.50 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.12 ug/L	0.50 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.14 ug/L	0.50 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.20 ug/L	0.50 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	0.50 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.16 ug/L	0.50 ug/L	
630-20-6	1,1,1,2-tetrachloroethane			not detected	1	0.15 ug/L	0.50 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.27 ug/L	1.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.14 ug/L	0.50 ug/L	
100-42-5	Styrene			not detected	100	0.12 ug/L	0.50 ug/L	
75-25-2	Bromoform			not detected	4	0.14 ug/L	0.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.12 ug/L	0.50 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.12 ug/L	0.50 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
J= Estimated concentration, value falls between R.L. and M.D.L.

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

700 MW#C

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 90493

Matrix: (soil/water) WATER Lab Sample ID: 9049306

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA5276.D

Level: (low/med) LOW Date Received: 12/30/2009

% Moisture: not dec. Date Analyzed: 1/7/2010

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA5277.D	Sample Name	9049307
Operator	ROBERTS	Field ID	700 MW#D
Date Acquired	7 Jan 2010 7:11 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.09 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	2	1.64 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.89 ug/L	5.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.18 ug/L	0.50 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.12 ug/L	0.50 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.22 ug/L	0.50 ug/L	
74-87-3	Chloromethane			not detected	nle	0.10 ug/L	0.50 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.22 ug/L	0.50 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	0.50 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	0.50 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.18 ug/L	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.20 ug/L	0.50 ug/L	
67-64-1	Acetone			not detected	6000	0.18 ug/L	0.50 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.18 ug/L	0.50 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.16 ug/L	0.50 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.20 ug/L	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.19 ug/L	0.50 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	0.50 ug/L	
78-93-3	2-Butanone			not detected	300	0.16 ug/L	0.50 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.14 ug/L	0.50 ug/L	
67-66-3	Chloroform			not detected	70	0.21 ug/L	0.50 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.17 ug/L	0.50 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.27 ug/L	0.50 ug/L	
71-43-2	Benzene			not detected	1	0.16 ug/L	0.50 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.19 ug/L	0.50 ug/L	
79-01-6	Trichloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	0.50 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	0.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.16 ug/L	0.50 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.26 ug/L	0.50 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	0.50 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.12 ug/L	0.50 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.14 ug/L	0.50 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.20 ug/L	0.50 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	0.50 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.16 ug/L	0.50 ug/L	
630-20-6	1,1,1,2-tetrachloroethane			not detected	1	0.15 ug/L	0.50 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.27 ug/L	1.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.14 ug/L	0.50 ug/L	
100-42-5	Styrene			not detected	100	0.12 ug/L	0.50 ug/L	
75-25-2	Bromoform			not detected	4	0.14 ug/L	0.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.12 ug/L	0.50 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.12 ug/L	0.50 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N J A C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
J= Estimated concentration, value falls between R.L. and M.D.L.

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

700 MW#D

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 90493

Matrix: (soil/water) WATER Lab Sample ID: 9049307

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA5277.D

Level: (low/med) LOW Date Received: 12/30/2009

% Moisture: not dec. Date Analyzed: 1/7/2010

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA5278.D	Sample Name	9049308
Operator	ROBERTS	Field ID	700 MW#E
Date Acquired	7 Jan 2010 7:42 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.09 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	2	1.64 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.89 ug/L	5.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.18 ug/L	0.50 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.12 ug/L	0.50 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.22 ug/L	0.50 ug/L	
74-87-3	Chloromethane			not detected	nle	0.10 ug/L	0.50 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.22 ug/L	0.50 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	0.50 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	0.50 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.18 ug/L	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.20 ug/L	0.50 ug/L	
67-64-1	Acetone			not detected	6000	0.18 ug/L	0.50 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.18 ug/L	0.50 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.16 ug/L	0.50 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.20 ug/L	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.19 ug/L	0.50 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	0.50 ug/L	
78-93-3	2-Butanone			not detected	300	0.16 ug/L	0.50 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.14 ug/L	0.50 ug/L	
67-66-3	Chloroform			not detected	70	0.21 ug/L	0.50 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.17 ug/L	0.50 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.27 ug/L	0.50 ug/L	
71-43-2	Benzene			not detected	1	0.16 ug/L	0.50 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.19 ug/L	0.50 ug/L	
79-01-6	Trichloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	0.50 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	0.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.16 ug/L	0.50 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.26 ug/L	0.50 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	0.50 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.12 ug/L	0.50 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.14 ug/L	0.50 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.20 ug/L	0.50 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	0.50 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.16 ug/L	0.50 ug/L	
630-20-6	1,1,1,2-tetrachloroethane			not detected	1	0.15 ug/L	0.50 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.27 ug/L	1.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.14 ug/L	0.50 ug/L	
100-42-5	Styrene			not detected	100	0.12 ug/L	0.50 ug/L	
75-25-2	Bromoform			not detected	4	0.14 ug/L	0.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.12 ug/L	0.50 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.12 ug/L	0.50 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N J.A C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
J= Estimated concentration, value falls between R.L. and M.D.L.
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

700 MW#E

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 90493

Matrix: (soil/water) WATER Lab Sample ID: 9049308

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA5278.D

Level: (low/med) LOW Date Received: 12/30/2009

% Moisture: not dec. Date Analyzed: 1/7/2010

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

LABORATORY DELIVERABLES CHECKLIST AND NON-CONFORMANCE SUMMARY

THIS FORM MUST BE COMPLETED BY THE LABORATORY OR ENVIRONMENTAL CONSULTANT AND ACCOMPANY ALL DATA SUBMISSIONS

The following Laboratory Deliverables Checklist and Non-Conformance Summary shall be included in the data submission. All deviations from the accepted methodology and procedures, of performance values outside acceptable ranges shall be summarized in the Non-Conformance Summary. The Technical Requirements for Site Remediation, effective June 7, 1993, provides further details. The document shall be bound and paginated, contain a table of contents, and all pages shall be legible. Incomplete data packages will be returned or held without review until the data package is completed.

It is recommended that the analytical results summary sheets listing all targeted and non-targeted compounds with the method detection limits, practical quantitation limits, and the laboratory and/or sample numbers be included in one section of the data package and in the main body of the report.

1.	Cover Page, Title Page listing Lab Certification #, facility name and address, & date of report submitted.	✓
2.	Table of Contents submitted.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds submitted.	✓
4.	Document paginated and legible.	✓
5.	Chain of Custody submitted.	✓
6.	Samples submitted to lab within 48 hours of sample collection.	✓
7.	Methodology Summary submitted.	✓
8.	Laboratory Chronicle and Holding Time Check submitted.	✓
9.	Results submitted on a dry weight basis.	✓
10.	Method Detection Limits submitted.	✓
11.	Lab certified by NJDEP for parameters of appropriate category of parameters or a member of the USEPA CLP.	✓

Laboratory Manager or Environmental Consultant's Signature Dean Tandy

Date: 1/19/10

Laboratory Certification # 13461

*Refer to NJAC 7:26E – Appendix A, Section IV – Reduced Data Deliverables – Non-USEPA/CLP Methods for further guidance.

Laboratory Authentication Statement

I certify under penalty of law, where applicable, that this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18 and 40 CFR Part 136 for Water and Wastewater Analyses and SW-846 for Solid Waste Analysis. I have personally examined the information contained in this report and to the best of my knowledge, I believe that the submitted information is true, accurate, complete and meets the above referenced standards where applicable. I am aware that there are significant penalties for purposefully submitting falsified information, including the possibility of a fine and imprisonment.

Dean Tardiff 11/9/10

Dean Tardiff
Laboratory Manager

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732) 532-6224 FAX: (732) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 700 Area
New Wells Round II

700/Area New Wells

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Trip Blank	1001701	Aqueous	13-Jan-10 09:00	01/13/10
Field Blank	1001702	Aqueous	13-Jan-10 12:10	01/13/10
Duplicate	1001703	Aqueous	13-Jan-10 12:20	01/13/10
700/MW-A	1001704	Aqueous	13-Jan-10 12:50	01/13/10
700/MW-B	1001705	Aqueous	13-Jan-10 12:40	01/13/10
700/MW-C	1001706	Aqueous	13-Jan-10 12:30	01/13/10
700/MW-D	1001707	Aqueous	13-Jan-10 12:20	01/13/10
700/MW-E	1001708	Aqueous	13-Jan-10 14:20	01/13/10

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15

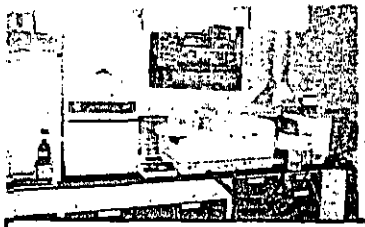
Dean Tardiff 2/3/10
Dean Tardiff/Date:
Laboratory Manager

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

Table of Contents

Section	Pages
Sampling	1-8
Conformance/Non-Conformance Summary	9-11
Method Summary	12-13
Laboratory Chronicle	15-15
Volatile Organics	16
Qualifier Codes	17
Results Summary	18-35
Initial Calibration	36-40
Continuing Calibration	41-45
Method Blank Summary	46
Surrogate Results Summary	47
MS/MSD Results Summary	48
Internal Standard Area Summary	49
Raw Sample Data	50-67
Raw MS/MSD Sample Data	68-73
Laboratory Deliverables Checklist	74
Laboratory Authentication Statement	75

SAMPLING



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:jacqueline.hamer@us.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: JOE FALLON
Phone #: 732-532-6223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: 700 (NEW WELLS) SECOND SAMPLING ROUND

Samplers Name / Company: WALTER FUNIC / TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA'S								Comments: Remarks / Preservation Method
10017 .01	700 TRIP BLANK	1-13-10	9:00	AQ	2	X								
.02	700 FIELD BLANK	1-13-10	12:10	AQ	2	X								
.03	700 DUP.	1-13-10	——	AQ	2	X								
.04	700 MW-A	1-13-10	12:50	AQ	2	X								
.05	700 MW-B	1-13-10	12:40	AQ	2	X								
.06	700 MW-C	1-13-10	12:30	AQ	2	X								
.07	700 MW-D*	1-13-10	12:20	AQ	2	X								
.08	700 MW-E	1-13-10	14:20	AQ	2	X								

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	1/13/10 15:00	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
		[signature]			

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified, (_)EDD
Turnaround time: (X)Standard 3 wks, (_)Rush Wk., (_)ASAP Verbal ___Hrs.

Comments:

000002

print legibly

new coc._1.XLS11/18/2009

SAMPLE RECEIPT FORM

Date Received: 1-13-10 Work Order ID#: 10017

Site/Proj. Name: 700 Area / 12mb RD Cooler Temp (°C): 4.0°C

Received By: J. Vergara Sign: J. Vergara
(Print name)

Check the appropriate box

1. Did the samples come in a cooler? ☑ yes ☐ no ☐ n/a
2. Were samples rec'd in good condition? ☑ yes ☐ no
3. Was the chain of custody filled out correctly and legibly? ☑ yes ☐ no
4. Was the chain of custody signed in the appropriate place? ☑ yes ☐ no
5. Did the labels agree with the chain of custody? ☑ yes ☐ no
6. Were the correct containers/preservatives used? ☑ yes ☐ no
7. Was a sufficient amount of sample supplied? ☑ yes ☐ no
8. Were air bubbles present in VOA vials? ☐ yes ☑ no ☐ n/a
9. Were samples received on ice? ☑ yes ☐ no
10. Were analyze-immediately tests perform within 15 minutes ☐ yes ☐ no ☑ n/a

Fill out the following table for each sample bottle

Lims ID	pH	Preservative	Sample ID	pH	Preservative
10017/1-8	N/A	HCL			

Comments:

US ARMY FORT MONMOUTH MONITOR WELL SAMPLING

LOCATION: 700
MW # B
NJDEP ID #
NJDEP CERT. # 13461
SAMPLING CONTRACTOR: TECOM-VINNELL SERVICES
SAMPLER: WALTER FUNK
DATE: 01/13/10
WEATHER: Sunny and cold.
TIDE: N/A

Sampling Conducted in Accordance with TVS SOP SAM-0205

TDOW-22.19

Initial Readings:

Elevation of Casing Survey Mark:	6.83 ft
Depth of Well:	22.19 ft
Height of Water in Well:	15.36 ft
PID/FID Reading:	.67/0.00 ppm
Gallons of Water to be Purged:	30 Gal.
Formula: ht.of water x (0.163 for 2" well or 0.65 for 4" well) x 3 =	29.95
Purge Method: Peristaltic Pump/Other (Specify)	
Purge Rate: Not to Exceed Well Draw Down of 0.5'	30/130 Gal/Min.

Purge Data:

Start Time of Purging: 10:19
End Time of Purging: 12:29

	Initial Value	Pre-Sample	Post-Sample
pH:	4.78 su	4.69 su	4.84 su
Temperature:	10.51 (°C)	9.90 (°C)	9.96 (°C)
Specific Conductivity:	2496 us/cm	2643 us/cm	2701 us/cm
ORP:	137 mv	138 mv	138 mv
DO:	1.51 mg/L	1.67 mg/L	0.96 mg/L
Depth to Water Post Purge:	9.71 ft		
Depth to Water Post Sampling:	9.78 ft		
Sampling Start Time:	12:40		
Sampling End Time:	12:44		

Comments:

US ARMY FORT MONMOUTH MONITOR WELL SAMPLING

LOCATION: 700
MW # C
NJDEP ID #
NJDEP CERT. # 13461
SAMPLING CONTRACTOR: TECOM-VINNELL SERVICES
SAMPLER: WALTER FUNK
DATE: 01/13/10
WEATHER: Sunny and cold.
TIDE: N/A

Sampling Conducted in Accordance with TVS SOP SAM-0205

	TDOW-22.20
Initial Readings:	
Elevation of Casing Survey Mark:	6.71 ft
Depth of Well:	22.20 ft
Height of Water in Well:	15.49 ft
PID/FID Reading:	0.58/0.00 ppm
Gallons of Water to be Purged:	30 Gal.
Formula: ht.of water x (0.163 for 2" well or 0.65 for 4" well) x 3 =	30.2
Purge Method: Peristaltic Pump/Other (Specify)	
Purge Rate: Not to Exceed Well Draw Down of 0.5' 30/130	Gal/Min.

Purge Data:
Start Time of Purging: 10:06
End Time of Purging: 12:16

	Initial Value	Pre-Sample	Post-Sample
pH:	3.97 su	3.90 su	3.95 su
Temperature:	10.32 (°C)	8.37 (°C)	8.40 (°C)
Specific Conductivity:	9234 us/cm	8571 us/cm	8579 us/cm
ORP:	191 mv	156 mv	150 mv
DO:	4.54 mg/L	5.83 mg/L	5.15 mg/L
Depth to Water Post Purge:	7.20 ft		
Depth to Water Post Sampling:	7.26 ft		
Sampling Start Time:	12:30		
Sampling End Time:	12:34		

Comments:

US ARMY FORT MONMOUTH MONITOR WELL SAMPLING

LOCATION: 700
MW # D
NJDEP ID #
NJDEP CERT. # 13461
SAMPLING CONTRACTOR: TECOM-VINNELL SERVICES
SAMPLER: WALTER FUNK
DATE: 01/13/10
WEATHER: Sunny and cold.
TIDE: N/A

Sampling Conducted in Accordance with TVS SOP SAM-0205

	TDOW-22.21
Initial Readings:	
Elevation of Casing Survey Mark:	5.60 ft
Depth of Well:	22.21 ft
Height of Water in Well:	16.61 ft
PID/FID Reading:	0.50/0.00 ppm
Gallons of Water to be Purged:	33 Gal.
Formula: ht.of water x (0.163 for 2" well or 0.65 for 4" well) x 3 =	32.38
Purge Method: Peristaltic Pump/Other (Specify)	
Purge Rate: Not to Exceed Well Draw Down of 0.5' 33/143	Gal/Min.

Purge Data:
Start Time of Purging: 09:52
End Time of Purging: 12:15

	Initial Value	Pre-Sample	Post-Sample
pH:	4.00 su	3.88 su	3.72 su
Temperature:	8.16 (°C)	7.10 (°C)	6.98 (°C)
Specific Conductivity:	8869 us/cm	8511 us/cm	8491 us/cm
ORP:	192 mv	169 mv	168 mv
DO:	2.11 mg/L	3.16 mg/L	2.91 mg/L
Depth to Water Post Purge:	6.12 ft		
Depth to Water Post Sampling:	6.16 ft		
Sampling Start Time:	12:20		
Sampling End Time:	12:24		

Comments: DUP. here.

US ARMY FORT MONMOUTH MONITOR WELL SAMPLING

LOCATION: 700
MW # E
NJDEP ID #
NJDEP CERT. # 13461
SAMPLING CONTRACTOR: TECOM-VINNELL SERVICES
SAMPLER: WALTER FUNK
DATE: 01/13/10
WEATHER: Sunny and cold.
TIDE: N/A

Sampling Conducted in Accordance with TVS SOP SAM-0205

	TDOW-71.67
Initial Readings:	
Elevation of Casing Survey Mark:	7.19 ft
Depth of Well:	71.67 ft
Height of Water in Well:	64.48 ft
PID/FID Reading:	0.50/0.00 ppm
Gallons of Water to be Purged:	126 Gal.
Formula: ht.of water x (0.163 for 2" well or 0.65 for 4" well) x 3 =	126.73
Purge Method: Peristaltic Pump/Other (Specify)	
Purge Rate: Not to Exceed Well Draw Down of 0.5' 126/548	Gal/Min.

Purge Data:
Start Time of Purging: 09:43
End Time of Purging: 14:17

	Initial Value	Pre-Sample	Post-Sample
pH:	6.17 su	6.01 su	6.35 su
Temperature:	10.22 (°C)	12.01 (°C)	11.92 (°C)
Specific Conductivity:	1096 us/cm	1076 us/cm	1036 us/cm
ORP:	96 mv	50 mv	21 mv
DO:	1.90 mg/L	1.95 mg/L	1.51 mg/L
Depth to Water Post Purge:	15.38 ft		
Depth to Water Post Sampling:	15.43 ft		
Sampling Start Time:	14:20		
Sampling End Time:	14:24		

Comments:

CONFORMANCE/ NON-CONFORMANCE SUMMARY

1017 VOA

GC/MS ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT

	Indicate Yes, No, N/A
1. Chromatograms labeled/Compounds identified (Field samples and method blanks)	Yes
2. Retention times for chromatograms provided	Yes
3. GC/MS Tune Specifications	
a. BFB Meet Criteria	Yes
b. DFTPP Meet Criteria	N/A
4. GC/MS Tuning Frequency – Performed every 24 hours for 600 series and 12 hours for 8000 series	Yes
5. GC/MS Calibration – Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series	Yes
6. GC/MS Calibration requirements	
a. Calibration Check Compounds Meet Criteria	Yes
b. System Performance Check Compounds Meet Criteria	Yes
7. Blank Contamination – If yes, List compounds and concentrations in each blank:	No
a. VOA Fraction_____	
b. B/N Fraction_____	
c. Acid Fraction_____	
8. Surrogate Recoveries Meet Criteria	Yes
If not met, list those compounds and their recoveries, which fall outside the acceptable range:	
a. VOA Fraction_____	
b. B/N Fraction_____	
c. Acid Fraction_____	
If not met, were the calculations checked and the results qualified as "estimated"?	
9. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria (If not met, list those compounds and their recoveries, which fall outside the acceptable range)	No
a. VOA Fraction Several Compounds have high recoveries due to matrix interference	
b. B/N Fraction_____	
c. Acid Fraction_____	

GC/MS ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT (cont.)

Indicate
Yes, No, N/A

10. Internal Standard Area/Retention Time Shift Meet Criteria — Yes
(If not met, list those compounds, which fall outside the acceptable range)

a. VOA Fraction_____
b. B/N Fraction_____
c. Acid Fraction_____

11. Extraction Holding Time Met — N/A

If not met, list the number of days exceeded for each sample:_____

12. Analysis Holding Time Met — Yes

If not met, list the number of days exceeded for each sample:_____

Additional Comments:

Laboratory Manager: Jean Tardiff Date: 2/3/10

1/29/10

METHOD SUMMARY

Method Summary

EPA *Method 624 – Aqueous*
Gas Chromatographic Determination of Volatiles in Water

An inert gas is bubbled through a 5 mL water sample contained in a specifically designed purging chamber at ambient temperature. The purgeable compounds are efficiently transferred from the aqueous phase to the vapor phase. The vapor is swept through a sorbent column where the purgeables are trapped. After purging is complete, the sorbent column is heated and backflushed with the inert gas to desorb the purgeable compounds onto the gas chromatographic (GC) column. The GC is temperature programmed to separate the purgeable compounds which are then detected with a Mass Spectrometer (MS).

LABORATORY CHRONICLE

Laboratory Chronicle

Lab ID: 10017 **Site:** 700 Area

	Date	Hold Time
Date Sampled	01/13/10	NA
Receipt/Refrigeration	01/13/10	NA

Analyses

1. Volatiles	01/15/10	14 Days

VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:
(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the reporting limit but greater than the MDL.
(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA5316.D	Sample Name	MB01141002
Operator	ROBERTS	Field ID	METHOD 624 1/14/10
Date Acquired	15 Jan 2010 1:58 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.09 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	2	1.64 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.89 ug/L	5.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.18 ug/L	0.50 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.12 ug/L	0.50 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.22 ug/L	0.50 ug/L	
74-87-3	Chloromethane			not detected	nle	0.10 ug/L	0.50 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.22 ug/L	0.50 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	0.50 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	0.50 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.18 ug/L	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.20 ug/L	0.50 ug/L	
67-64-1	Acetone			not detected	6000	0.18 ug/L	0.50 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.18 ug/L	0.50 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.16 ug/L	0.50 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.20 ug/L	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.19 ug/L	0.50 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	0.50 ug/L	
78-93-3	2-Butanone			not detected	300	0.16 ug/L	0.50 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.14 ug/L	0.50 ug/L	
67-66-3	Chloroform			not detected	70	0.21 ug/L	0.50 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.17 ug/L	0.50 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.27 ug/L	0.50 ug/L	
71-43-2	Benzene			not detected	1	0.16 ug/L	0.50 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.19 ug/L	0.50 ug/L	
79-01-6	Trichloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	0.50 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	0.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.16 ug/L	0.50 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.26 ug/L	0.50 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	0.50 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.12 ug/L	0.50 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.14 ug/L	0.50 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.20 ug/L	0.50 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	0.50 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.16 ug/L	0.50 ug/L	
630-20-6	1,1,1,2-tetrachloroethane			not detected	1	0.15 ug/L	0.50 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.27 ug/L	1.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.14 ug/L	0.50 ug/L	
100-42-5	Styrene			not detected	100	0.12 ug/L	0.50 ug/L	
75-25-2	Bromoform			not detected	4	0.14 ug/L	0.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.12 ug/L	0.50 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.12 ug/L	0.50 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
J= Estimated concentration, value falls between R.L. and M.D.L.

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MB01141002

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 10017

Matrix: (soil/water) WATER Lab Sample ID: MB01141002

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA5316.D

Level: (low/med) LOW Date Received: 1/13/2010

% Moisture: not dec. Date Analyzed: 1/15/2010

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA5318.D	Sample Name	1001701
Operator	ROBERTS	Field ID	700 TRIP BLANK
Date Acquired	15 Jan 2010 3:00 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result		Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not	detected	5	2.09 ug/L	5.00 ug/L	
107131	Acrylonitrile			not	detected	2	1.64 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not	detected	100	1.89 ug/L	5.00 ug/L	
1634044	Methyl-tert-Butyl ether			not	detected	70	0.18 ug/L	0.50 ug/L	
108203	Di-isopropyl ether			not	detected	20000	0.12 ug/L	0.50 ug/L	
75718	Dichlorodifluoromethane			not	detected	1000	0.22 ug/L	0.50 ug/L	
74-87-3	Chloromethane			not	detected	nle	0.10 ug/L	0.50 ug/L	
75-01-4	Vinyl Chloride			not	detected	1	0.22 ug/L	0.50 ug/L	
74-83-9	Bromomethane			not	detected	10	0.25 ug/L	0.50 ug/L	
75-00-3	Chloroethane			not	detected	nle	0.22 ug/L	0.50 ug/L	
75-69-4	Trichlorofluoromethane			not	detected	2000	0.18 ug/L	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not	detected	1	0.20 ug/L	0.50 ug/L	
67-64-1	Acetone			not	detected	6000	0.18 ug/L	0.50 ug/L	
75-15-0	Carbon Disulfide			not	detected	700	0.18 ug/L	0.50 ug/L	
75-09-2	Methylene Chloride			not	detected	3	0.16 ug/L	0.50 ug/L	
156-60-5	trans-1,2-Dichloroethene			not	detected	100	0.20 ug/L	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not	detected	50	0.19 ug/L	0.50 ug/L	
108-05-4	Vinyl Acetate			not	detected	7000	0.20 ug/L	0.50 ug/L	
78-93-3	2-Butanone			not	detected	300	0.16 ug/L	0.50 ug/L	
156-59-2	cis-1,2-Dichloroethene			not	detected	70	0.14 ug/L	0.50 ug/L	
67-66-3	Chloroform			not	detected	70	0.21 ug/L	0.50 ug/L	
75-55-6	1,1,1-Trichloroethane			not	detected	30	0.17 ug/L	0.50 ug/L	
56-23-5	Carbon Tetrachloride			not	detected	1	0.27 ug/L	0.50 ug/L	
71-43-2	Benzene			not	detected	1	0.16 ug/L	0.50 ug/L	
107-06-2	1,2-Dichloroethane			not	detected	2	0.19 ug/L	0.50 ug/L	
79-01-6	Trichloroethene			not	detected	1	0.18 ug/L	0.50 ug/L	
78-87-5	1,2-Dichloropropane			not	detected	1	0.16 ug/L	0.50 ug/L	
75-27-4	Bromodichloromethane			not	detected	1	0.14 ug/L	0.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not	detected	nle	0.25 ug/L	0.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not	detected	1	0.16 ug/L	0.50 ug/L	
108-10-1	4-Methyl-2-Pentanone			not	detected	nle	0.26 ug/L	0.50 ug/L	
108-88-3	Toluene			not	detected	1000	0.15 ug/L	0.50 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not	detected	1	0.12 ug/L	0.50 ug/L	
79-00-5	1,1,2-Trichloroethane			not	detected	3	0.14 ug/L	0.50 ug/L	
127-18-4	Tetrachloroethene			not	detected	1	0.18 ug/L	0.50 ug/L	
591-78-6	2-Hexanone			not	detected	nle	0.20 ug/L	0.50 ug/L	
126-48-1	Dibromochloromethane			not	detected	1	0.14 ug/L	0.50 ug/L	
108-90-7	Chlorobenzene			not	detected	50	0.15 ug/L	0.50 ug/L	
100-41-4	Ethylbenzene			not	detected	700	0.16 ug/L	0.50 ug/L	
630-20-6	1,1,1,2-tetrachloroethane			not	detected	1	0.15 ug/L	0.50 ug/L	
1330-20-7	m-p-Xylenes			not	detected	nle	0.27 ug/L	1.00 ug/L	
1330-20-7	o-Xylene			not	detected	nle	0.14 ug/L	0.50 ug/L	
100-42-5	Styrene			not	detected	100	0.12 ug/L	0.50 ug/L	
75-25-2	Bromoform			not	detected	4	0.14 ug/L	0.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not	detected	1	0.12 ug/L	0.50 ug/L	
541-73-1	1,3-Dichlorobenzene			not	detected	600	0.12 ug/L	0.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not	detected	75	0.12 ug/L	0.50 ug/L	
95-50-1	1,2-Dichlorobenzene			not	detected	600	0.12 ug/L	0.50 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
J= Estimated concentration, value falls between R.L. and M.D.L.
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

700 TRIP BLANK

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 10017

Matrix: (soil/water) WATER Lab Sample ID: 1001701

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA5318.D

Level: (low/med) LOW Date Received: 1/13/2010

% Moisture: not dec. Date Analyzed: 1/15/2010

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA5319.D	Sample Name	1001702
Operator	ROBERTS	Field ID	700 FIELD BLANK
Date Acquired	15 Jan 2010 3:31 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.09 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	2	1.64 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.89 ug/L	5.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.18 ug/L	0.50 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.12 ug/L	0.50 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.22 ug/L	0.50 ug/L	
74-87-3	Chloromethane			not detected	nle	0.10 ug/L	0.50 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.22 ug/L	0.50 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	0.50 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	0.50 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.18 ug/L	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.20 ug/L	0.50 ug/L	
67-64-1	Acetone			not detected	6000	0.18 ug/L	0.50 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.18 ug/L	0.50 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.16 ug/L	0.50 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.20 ug/L	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.19 ug/L	0.50 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	0.50 ug/L	
78-93-3	2-Butanone			not detected	300	0.16 ug/L	0.50 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.14 ug/L	0.50 ug/L	
67-66-3	Chloroform			not detected	70	0.21 ug/L	0.50 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.17 ug/L	0.50 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.27 ug/L	0.50 ug/L	
71-43-2	Benzene			not detected	1	0.16 ug/L	0.50 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.19 ug/L	0.50 ug/L	
79-01-6	Trichloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	0.50 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	0.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.16 ug/L	0.50 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.26 ug/L	0.50 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	0.50 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.12 ug/L	0.50 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.14 ug/L	0.50 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.20 ug/L	0.50 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	0.50 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.16 ug/L	0.50 ug/L	
630-20-6	1,1,1,2-tetrachloroethane			not detected	1	0.15 ug/L	0.50 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.27 ug/L	1.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.14 ug/L	0.50 ug/L	
100-42-5	Styrene			not detected	100	0.12 ug/L	0.50 ug/L	
75-25-2	Bromoform			not detected	4	0.14 ug/L	0.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.12 ug/L	0.50 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.12 ug/L	0.50 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
J= Estimated concentration, value falls between R.L. and M.D.L.

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

700 FIELD BLANK

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 10017

Matrix: (soil/water) WATER Lab Sample ID: 1001702

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA5319.D

Level: (low/med) LOW Date Received: 1/13/2010

% Moisture: not dec. Date Analyzed: 1/15/2010

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA5320.D	Sample Name	1001703
Operator	ROBERTS	Field ID	700 DUP
Date Acquired	15 Jan 2010 4:02 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result		Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not	detected	5	2.09 ug/L	5.00 ug/L	
107131	Acrylonitrile			not	detected	2	1.64 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not	detected	100	1.89 ug/L	5.00 ug/L	
1634044	Methyl-tert-Butyl ether			not	detected	70	0.18 ug/L	0.50 ug/L	
108203	Di-isopropyl ether			not	detected	20000	0.12 ug/L	0.50 ug/L	
75718	Dichlorodifluoromethane			not	detected	1000	0.22 ug/L	0.50 ug/L	
74-87-3	Chloromethane			not	detected	nle	0.10 ug/L	0.50 ug/L	
75-01-4	Vinyl Chloride			not	detected	1	0.22 ug/L	0.50 ug/L	
74-83-9	Bromomethane			not	detected	10	0.25 ug/L	0.50 ug/L	
75-00-3	Chloroethane			not	detected	nle	0.22 ug/L	0.50 ug/L	
75-69-4	Trichlorofluoromethane			not	detected	2000	0.18 ug/L	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not	detected	1	0.20 ug/L	0.50 ug/L	
67-64-1	Acetone			not	detected	6000	0.18 ug/L	0.50 ug/L	
75-15-0	Carbon Disulfide			not	detected	700	0.18 ug/L	0.50 ug/L	
75-09-2	Methylene Chloride			not	detected	3	0.16 ug/L	0.50 ug/L	
156-60-5	trans-1,2-Dichloroethene			not	detected	100	0.20 ug/L	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not	detected	50	0.19 ug/L	0.50 ug/L	
108-05-4	Vinyl Acetate			not	detected	7000	0.20 ug/L	0.50 ug/L	
78-93-3	2-Butanone			not	detected	300	0.16 ug/L	0.50 ug/L	
156-59-2	cis-1,2-Dichloroethene			not	detected	70	0.14 ug/L	0.50 ug/L	
67-66-3	Chloroform			not	detected	70	0.21 ug/L	0.50 ug/L	
75-55-6	1,1,1-Trichloroethane			not	detected	30	0.17 ug/L	0.50 ug/L	
56-23-5	Carbon Tetrachloride			not	detected	1	0.27 ug/L	0.50 ug/L	
71-43-2	Benzene			not	detected	1	0.16 ug/L	0.50 ug/L	
107-06-2	1,2-Dichloroethane			not	detected	2	0.19 ug/L	0.50 ug/L	
79-01-6	Trichloroethene			not	detected	1	0.18 ug/L	0.50 ug/L	
78-87-5	1,2-Dichloropropane			not	detected	1	0.16 ug/L	0.50 ug/L	
75-27-4	Bromodichloromethane			not	detected	1	0.14 ug/L	0.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not	detected	nle	0.25 ug/L	0.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not	detected	1	0.16 ug/L	0.50 ug/L	
108-10-1	4-Methyl-2-Pentanone			not	detected	nle	0.26 ug/L	0.50 ug/L	
108-88-3	Toluene			not	detected	1000	0.15 ug/L	0.50 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not	detected	1	0.12 ug/L	0.50 ug/L	
79-00-5	1,1,2-Trichloroethane			not	detected	3	0.14 ug/L	0.50 ug/L	
127-18-4	Tetrachloroethene			not	detected	1	0.18 ug/L	0.50 ug/L	
591-78-6	2-Hexanone			not	detected	nle	0.20 ug/L	0.50 ug/L	
126-48-1	Dibromochloromethane			not	detected	1	0.14 ug/L	0.50 ug/L	
108-90-7	Chlorobenzene			not	detected	50	0.15 ug/L	0.50 ug/L	
100-41-4	Ethylbenzene			not	detected	700	0.16 ug/L	0.50 ug/L	
630-20-6	1,1,1,2-tetrachloroethane			not	detected	1	0.15 ug/L	0.50 ug/L	
1330-20-7	m+p-Xylenes			not	detected	nle	0.27 ug/L	1.00 ug/L	
1330-20-7	o-Xylene			not	detected	nle	0.14 ug/L	0.50 ug/L	
100-42-5	Styrene			not	detected	100	0.12 ug/L	0.50 ug/L	
75-25-2	Bromoform			not	detected	4	0.14 ug/L	0.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not	detected	1	0.12 ug/L	0.50 ug/L	
541-73-1	1,3-Dichlorobenzene			not	detected	600	0.12 ug/L	0.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not	detected	75	0.12 ug/L	0.50 ug/L	
95-50-1	1,2-Dichlorobenzene			not	detected	600	0.12 ug/L	0.50 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
J= Estimated concentration, value falls between R.L. and M.D.L.

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

700 DUP

Lab Name FMETL Contract

Lab Code 13461 Case No MW SAS No SDG No 10017

Matrix (soil/water) WATER Lab Sample ID 1001703

Sample wt/vol 5 0 (g/ml) ML Lab File ID VA5320 D

Level (low/med) LOW Date Received 1/13/2010

% Moisture not dec Date Analyzed 1/15/2010

GC Column RTX-VM ID 0 25 (mm) Dilution Factor 1 0

Soil Extract Volume (uL) Soil Aliquot Volume (uL)

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/L

Number TICs found 0

CAS NO	COMPOUND NAME	RT	EST CONC	Q

Volatile Analysis Report
U S Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA5321 D	Sample Name	1001704
Operator	ROBERTS	Field ID	700 MW-A
Date Acquired	15 Jan 2010 4 33 am	Sample Multipher	1

CAS#	Compound Name	R.T	Response	Result	Regulatory Level (ug/l)	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2 09 ug/L	5 00 ug/L	
107131	Acrylonitrile			not detected	2	1 64 ug/L	5 00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1 89 ug/L	5 00 ug/L	
1634044	Methyl tert-Butyl ether			not detected	70	0 18 ug/L	0 50 ug/L	
108203	Di isopropyl ether			not detected	20000	0 12 ug/L	0 50 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0 22 ug/L	0 50 ug/L	
74-87-3	Chloromethane			not detected	nle	0 10 ug/L	0 50 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0 22 ug/L	0 50 ug/L	
74-83-9	Bromomethane			not detected	10	0 25 ug/L	0 50 ug/L	
75-00-3	Chloroethane			not detected	nle	0 22 ug/L	0 50 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0 18 ug/L	0 50 ug/L	
75-35-4	1 1-Dichloroethene			not detected	1	0 20 ug/L	0 50 ug/L	
67-64-1	Acetone			not detected	6000	0 18 ug/L	0 50 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0 18 ug/L	0 50 ug/L	
75-09-2	Methylene Chloride			not detected	3	0 16 ug/L	0 50 ug/L	
156-60-5	trans-1 2 Dichloroethene			not detected	100	0 20 ug/L	0 50 ug/L	
75-35-3	1 1-Dichloroethane			not detected	50	0 19 ug/L	0 50 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0 20 ug/L	0 50 ug/L	
78 93-3	2 Butanone			not detected	300	0 16 ug/L	0 50 ug/L	
156-59-2	cis 1 2-Dichloroethene			not detected	70	0 14 ug/L	0 50 ug/L	
67-66-3	Chloroform			not detected	70	0 21 ug/L	0 50 ug/L	
75-55-6	1 1 1-Trichloroethane			not detected	30	0 17 ug/L	0 50 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0 27 ug/L	0 50 ug/L	
71-43-2	Benzene			not detected	1	0 16 ug/L	0 50 ug/L	
107-06-2	1 2-Dichloroethane			not detected	2	0 19 ug/L	0 50 ug/L	
79-01-6	Trichloroethene			not detected	1	0 18 ug/L	0 50 ug/L	
78-87-5	1 2-Dichloropropane			not detected	1	0 16 ug/L	0 50 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0 14 ug/L	0 50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0 25 ug/L	0 50 ug/L	
10061-01-5	cis-1 3-Dichloropropene			not detected	1	0 16 ug/L	0 50 ug/L	
108-10 1	4 Methyl-2 Pentanone			not detected	nle	0 26 ug/L	0 50 ug/L	
108-88-3	Toluene			not detected	1000	0 15 ug/L	0 50 ug/L	
10061-02-6	trans 1 3 Dichloropropene			not detected	1	0 12 ug/L	0 50 ug/L	
79-00-5	1 1 2 Trichloroethane			not detected	3	0 14 ug/l	0 50 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0 18 ug/L	0 50 ug/L	
591-78-6	2 Hexanone			not detected	nle	0 20 ug/L	0 50 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0 14 ug/L	0 50 ug/L	
108-90-7	Chlorobenzene			not detected	50	0 15 ug/L	0 50 ug/L	
100-41-4	Ethylbenzene			not detected	700	0 16 ug/L	0 50 ug/L	
630-20-6	1 1 1 2 tetrachloroethane			not detected	1	0 15 ug/L	0 50 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0 27 ug/L	1 00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0 14 ug/L	0 50 ug/L	
100-42-5	Styrene			not detected	100	0 12 ug/L	0 50 ug/L	
75-25-2	Bromoform			not detected	4	0 14 ug/L	0 50 ug/L	
79-34-5	1 1 2 2 Tetrachloroethane			not detected	1	0 12 ug/L	0 50 ug/L	
541-73-1	1 3-Dichlorobenzene			not detected	600	0 12 ug/L	0 50 ug/L	
106-46-7	1 4-Dichlorobenzene			not detected	75	0 12 ug/L	0 50 ug/L	
95-50-1	1 2 Dichlorobenzene			not detected	600	0 12 ug/L	0 50 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQLs and Ground Water Quality Criteria as per N J A C 7 9C 07Nov2003

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
J= Estimated concentration value falls between R L and M D L

MDL = Method Detection Limit
NLE = No Limit Established
R T = Retention Time
R L = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

700 MW-A

Lab Name FMETL Contract

Lab Code 13461 Case No MW SAS No SDG No 10017

Matrix (soil/water) WATER Lab Sample ID 1001704

Sample wt/vol 5 0 (g/ml) ML Lab File ID VA5321 D

Level (low/med) LOW Date Received 1/13/2010

% Moisture not dec Date Analyzed 1/15/2010

GC Column RTX-VM ID 0 25 (mm) Dilution Factor 1 0

Soil Extract Volume (uL) Soil Aliquot Volume (uL)

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/L

Number TICs found 0

CAS NO	COMPOUND NAME	RT	EST CONC	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA5322.D	Sample Name	1001705
Operator	ROBERTS	Field ID	700 MW-B
Date Acquired	15 Jan 2010 5:04 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.09 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	2	1.64 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.89 ug/L	5.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.18 ug/L	0.50 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.12 ug/L	0.50 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.22 ug/L	0.50 ug/L	
74-87-3	Chloromethane			not detected	nle	0.10 ug/L	0.50 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.22 ug/L	0.50 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	0.50 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	0.50 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.18 ug/L	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.20 ug/L	0.50 ug/L	
67-64-1	Acetone			not detected	6000	0.18 ug/L	0.50 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.18 ug/L	0.50 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.16 ug/L	0.50 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.20 ug/L	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.19 ug/L	0.50 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	0.50 ug/L	
78-93-3	2-Butanone			not detected	300	0.16 ug/L	0.50 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.14 ug/L	0.50 ug/L	
67-66-3	Chloroform			not detected	70	0.21 ug/L	0.50 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.17 ug/L	0.50 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.27 ug/L	0.50 ug/L	
71-43-2	Benzene			not detected	1	0.16 ug/L	0.50 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.19 ug/L	0.50 ug/L	
79-01-6	Trichloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	0.50 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	0.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.16 ug/L	0.50 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.26 ug/L	0.50 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	0.50 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.12 ug/L	0.50 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.14 ug/L	0.50 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	0.50 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.20 ug/L	0.50 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.14 ug/L	0.50 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	0.50 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.16 ug/L	0.50 ug/L	
630-20-6	1,1,1,2-tetrachloroethane			not detected	1	0.15 ug/L	0.50 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.27 ug/L	1.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.14 ug/L	0.50 ug/L	
100-42-5	Styrene			not detected	100	0.12 ug/L	0.50 ug/L	
75-25-2	Bromoform			not detected	4	0.14 ug/L	0.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.12 ug/L	0.50 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.12 ug/L	0.50 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.12 ug/L	0.50 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N J A C. 7.9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
J= Estimated concentration, value falls between R.L. and M.D.L.

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

700 MW-B

Lab Name FMETL Contract

Lab Code 13461 Case No MW SAS No SDG No 10017

Matrix (soil/water) WATER Lab Sample ID 1001705

Sample wt/vol 5 0 (g/ml) ML Lab File ID VA5322 D

Level (low/med) LOW Date Received 1/13/2010

% Moisture not dec Date Analyzed 1/15/2010

GC Column RTX-VM ID 0 25 (mm) Dilution Factor 1 0

Soil Extract Volume (uL) Soil Aliquot Volume (uL)

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/L

Number TICs found 0

CAS NO	COMPOUND NAME	RT	EST CONC	Q

Volatile Analysis Report
U S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA5323 D	*Sample Name*	1001706
Operator	ROBERTS	Field ID	700 MW-C
Date Acquired	15 Jan 2010 5 35 am	Sample Multiplier	1

CAS#	Compound Name	R I	Response	Result	Regulatory Level (ug/l)	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2 09 ug/L	5 00 ug/L	
107131	Acrylonitrile			not detected	2	1 64 ug/L	5 00 ug/L	
75650	tert Butyl alcohol			not detected	100	1 89 ug/L	5 00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0 18 ug/L	0 50 ug/L	
108203	Di-isopropyl ether			not detected	20000	0 12 ug/L	0 50 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0 22 ug/L	0 50 ug/L	
74-87-3	Chloromethane			not detected	nle	0 10 ug/L	0 50 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0 22 ug/L	0 50 ug/L	
74-83-9	Bromomethane			not detected	10	0 25 ug/L	0 50 ug/L	
75-00-3	Chloroethane			not detected	nle	0 22 ug/L	0 50 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0 18 ug/L	0 50 ug/L	
75-35-4	1 1-Dichloroethene			not detected	1	0 20 ug/L	0 50 ug/L	
67-64-1	Acetone			not detected	6000	0 18 ug/L	0 50 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0 18 ug/L	0 50 ug/L	
75-09-2	Methylene Chloride			not detected	3	0 16 ug/L	0 50 ug/L	
156-60-5	trans 1 2 Dichloroethene			not detected	100	0 20 ug/L	0 50 ug/L	
75-35-3	1 1-Dichloroethane			not detected	50	0 19 ug/L	0 50 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0 20 ug/L	0 50 ug/L	
78-93-3	2 Butanone			not detected	300	0 16 ug/L	0 50 ug/L	
156-59-2	cis-1 2 Dichloroethene			not detected	70	0 14 ug/L	0 50 ug/L	
67-66-3	Chloroform			not detected	70	0 21 ug/L	0 50 ug/L	
75-55-6	1 1 1-Trichloroethane			not detected	30	0 17 ug/L	0 50 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0 27 ug/L	0 50 ug/L	
71-43-2	Benzene			not detected	1	0 16 ug/L	0 50 ug/L	
107-06-2	1 2 Dichloroethane			not detected	2	0 19 ug/L	0 50 ug/L	
79-01-6	Trichloroethene			not detected	1	0 18 ug/L	0 50 ug/L	
78-87-5	1 2-Dichloropropane			not detected	1	0 16 ug/L	0 50 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0 14 ug/L	0 50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0 25 ug/L	0 50 ug/L	
10061-01-5	cis 1 3 Dichloropropene			not detected	1	0 16 ug/L	0 50 ug/L	
108-10-1	4-Methyl-2 Pentanone			not detected	nle	0 26 ug/L	0 50 ug/L	
108-88 3	Toluene			not detected	1000	0 15 ug/L	0 50 ug/L	
10061-02-6	trans 1 3 Dichloropropene			not detected	1	0 12 ug/L	0 50 ug/L	
79-00-5	1 1 2 Trichloroethane			not detected	3	0 14 ug/L	0 50 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0 18 ug/L	0 50 ug/L	
591-78-6	2 Hexanone			not detected	nle	0 20 ug/L	0 50 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0 14 ug/L	0 50 ug/L	
108-90-7	Chlorobenzene			not detected	50	0 15 ug/L	0 50 ug/L	
100-41-4	Ethylbenzene			not detected	700	0 16 ug/L	0 50 ug/L	
630-20-6	1 1 1 2-tetrachloroethane			not detected	1	0 15 ug/L	0 50 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0 27 ug/L	1 00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0 14 ug/L	0 50 ug/L	
100-42-5	Styrene			not detected	100	0 12 ug/L	0 50 ug/L	
75-25-2	Bromoform			not detected	4	0 14 ug/L	0 50 ug/L	
79-34-5	1 1 2 2-Tetrachloroethane			not detected	1	0 12 ug/L	0 50 ug/L	
541-73-1	1 3-Dichlorobenzene			not detected	600	0 12 ug/L	0 50 ug/L	
106-46-7	1 4 Dichlorobenzene			not detected	75	0 12 ug/L	0 50 ug/L	
95-50-1	1 2 Dichlorobenzene			not detected	600	0 12 ug/L	0 50 ug/L	

Results between MDL and RL are estimated values

*Higher of PQLs and Ground Water Quality Criteria as per N J A C 7 9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value *from dilution*
PQL = Practical Quantitation Limit
J= Estimated concentration, value falls between R L and M D L
MDL = Method Detection Limit
NLE = No Limit Established
R T = Retention Time
R L = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

700 MW-C

Lab Name FMETL Contract

Lab Code 13461 Case No MW SAS No SDG No 10017

Matrix (soil/water) WATER Lab Sample ID 1001706

Sample wt/vol 5 0 (g/ml) ML Lab File ID VA5323 D

Level (low/med) LOW Date Received 1/13/2010

% Moisture not dec Date Analyzed 1/15/2010

GC Column RTX-VM ID 0 25 (mm) Dilution Factor 1 0

Soil Extract Volume (uL) Soil Aliquot Volume (uL)

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/L

Number TICs found 0

CAS NO	COMPOUND NAME	RT	EST CONC	Q

Volatile Analysis Report
U S Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA5324 D	Sample Name	1001707
Operator	ROBERTS	Field ID	700 MW-D
Date Acquired	15 Jan 2010 6 06 am	Sample Multiplier	1

CAS#	Compound Name	R T	Response	Result	Regulatory Level (ug/l)	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2 09 ug/L	5 00 ug/L	
107131	Acrylonitrile			not detected	2	1 64 ug/L	5 00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1 89 ug/L	5 00 ug/L	
1634044	Methyl-tert Butyl ether			not detected	70	0 18 ug/L	0 50 ug/L	
108203	Di-isopropyl ether			not detected	20000	0 12 ug/L	0 50 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0 22 ug/L	0 50 ug/L	
74-87-3	Chloromethane			not detected	nle	0 10 ug/L	0 50 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0 22 ug/L	0 50 ug/L	
74-83-9	Bromomethane			not detected	10	0 25 ug/L	0 50 ug/L	
75-00-3	Chloroethane			not detected	nle	0 22 ug/L	0 50 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0 18 ug/L	0 50 ug/L	
75-35-4	1 1 Dichloroethene			not detected	1	0 20 ug/L	0 50 ug/L	
67-64-1	Acetone			not detected	6000	0 18 ug/L	0 50 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0 18 ug/L	0 50 ug/L	
75-09-2	Methylene Chloride			not detected	3	0 16 ug/L	0 50 ug/L	
156-60-5	trans 1 2-Dichloroethene			not detected	100	0 20 ug/L	0 50 ug/L	
75-35 3	1 1-Dichloroethane			not detected	50	0 19 ug/L	0 50 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0 20 ug/L	0 50 ug/L	
78-93-3	2-Butanone			not detected	300	0 16 ug/L	0 50 ug/L	
156-59-2	cis 1 2 Dichloroethene			not detected	70	0 14 ug/L	0 50 ug/L	
67-66-3	Chloroform			not detected	70	0 21 ug/L	0 50 ug/L	
75-55-6	1 1 1 Trichloroethane			not detected	30	0 17 ug/L	0 50 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0 27 ug/L	0 50 ug/L	
71-43-2	Benzene			not detected	1	0 16 ug/L	0 50 ug/L	
107-06-2	1 2-Dichloroethane			not detected	2	0 19 ug/L	0 50 ug/L	
79-01-6	Trichloroethene			not detected	1	0 18 ug/L	0 50 ug/L	
78-87-5	1 2-Dichloropropane			not detected	1	0 16 ug/L	0 50 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0 14 ug/L	0 50 ug/L	
110-75 8	2-Chloroethyl vinyl ether			not detected	nle	0 25 ug/L	0 50 ug/L	
10061-01-5	cis 1 3 Dichloropropene			not detected	1	0 16 ug/L	0 50 ug/L	
108-10-1	4-Methyl 2-Pentanone			not detected	nle	0 26 ug/L	0 50 ug/L	
108-88-3	Toluene			not detected	1000	0 15 ug/L	0 50 ug/L	
10061-02-6	trans-1 3-Dichloropropene			not detected	1	0 12 ug/L	0 50 ug/L	
79-00-5	1 1 2 Trichloroethane			not detected	3	0 14 ug/L	0 50 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0 18 ug/L	0 50 ug/L	
591-78-6	2 Hexanone			not detected	nle	0 20 ug/L	0 50 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0 14 ug/L	0 50 ug/L	
108-90-7	Chlorobenzene			not detected	50	0 15 ug/L	0 50 ug/L	
100-41-4	Ethylbenzene			not detected	700	0 16 ug/L	0 50 ug/L	
630-20-6	1 1 1 2-tetrachloroethane			not detected	1	0 15 ug/L	0 50 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0 27 ug/L	1 00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0 14 ug/L	0 50 ug/L	
100-42-5	Styrene			not detected	100	0 12 ug/L	0 50 ug/L	
75-25-2	Bromoform			not detected	4	0 14 ug/L	0 50 ug/L	
79-34-5	1 1 2 2-Tetrachloroethane			not detected	1	0 12 ug/L	0 50 ug/L	
541-73-1	1 3-Dichlorobenzene			not detected	600	0 12 ug/L	0 50 ug/L	
106-46-7	1 4-Dichlorobenzene			not detected	75	0 12 ug/L	0 50 ug/L	
95-50-1	1 2-Dichlorobenzene			not detected	600	0 12 ug/L	0 50 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL s and Ground Water Quality Criteria as per N J A C 7 9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
J= Estimated concentration value falls between R L and M D L
MDL = Method Detection Limit
NLE = No Limit Established
R T = Retention Time
R L = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

700 MW-D

Lab Name FMETL Contract

Lab Code 13461 Case No MW SAS No SDG No 10017

Matrix (soil/water) WATER Lab Sample ID 1001707

Sample wt/vol 5 0 (g/ml) ML Lab File ID VA5324 D

Level (low/med) LOW Date Received 1/13/2010

% Moisture not dec Date Analyzed 1/15/2010

GC Column RTX-VM ID 0 25 (mm) Dilution Factor 1 0

Soil Extract Volume (uL) Soil Aliquot Volume (uL)

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/L

Number TICs found 0

CAS NO	COMPOUND NAME	RT	EST CONC	Q

Volatile Analysis Report
U S Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	V A5325 D	Sample Name	1001708
Operator	ROBERTS	Field ID	700 MW-E
Date Acquired	15 Jan 2010 6 38 am	Sample Multiplier	1

CAS#	Compound Name	R.T	Response	Result	Regulatory Level (ug/l)	MDL	RL	Qualifiers
107028	*Acrolein*			*not detected*	5	2 09 ug/L	5 00 ug/L	
107131	Acrylonitrile			not detected	2	1 64 ug/L	5 00 ug/L	
75650	tert Butyl alcohol			not detected	100	1 89 ug/L	5 00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0 18 ug/L	0 50 ug/L	
108203	Di-isopropyl ether			not detected	20000	0 12 ug/L	0 50 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0 22 ug/L	0 50 ug/L	
74-87-3	Chloromethane			not detected	nle	0 10 ug/L	0 50 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0 22 ug/L	0 50 ug/L	
74-83 9	Bromomethane			not detected	10	0 25 ug/L	0 50 ug/L	
75-00-3	Chloroethane			not detected	nle	0 22 ug/L	0 50 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0 18 ug/L	0 50 ug/L	
75-35-4	1 1-Dichloroethene			not detected	1	0 20 ug/L	0 50 ug/L	
67-64-1	Acetone			not detected	6000	0 18 ug/L	0 50 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0 18 ug/L	0 50 ug/L	
75-09-2	Methylene Chloride			not detected	3	0 16 ug/L	0 50 ug/L	
156-60-5	trans-1 2-Dichloroethene			not detected	100	0 20 ug/L	0 50 ug/L	
75-35-3	1 1-Dichloroethane			not detected	50	0 19 ug/L	0 50 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0 20 ug/l	0 50 ug/L	
78-93-3	2 Butanone			not detected	300	0 16 ug/L	0 50 ug/L	
156-59-2	cis 1 2-Dichloroethene			not detected	70	0 14 ug/L	0 50 ug/L	
67-66-3	Chloroform			not detected	70	0 21 ug/L	0 50 ug/L	
75-55-6	1 1 1 Trichloroethane			not detected	30	0 17 ug/L	0 50 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0 27 ug/L	0 50 ug/L	
71-43-2	Benzene			not detected	1	0 16 ug/L	0 50 ug/L	
107-06-2	1 2-Dichloroethane			*not detected*	2	0 19 ug/L	0 50 ug/L	
79-01-6	Trichloroethene			not detected	1	0 18 ug/L	0 50 ug/L	
78-87-5	1 2 Dichloropropane			not detected	1	0 16 ug/L	0 50 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0 14 ug/L	0 50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0 25 ug/L	0 50 ug/L	
10061-01-5	cis-1 3-Dichloropropene			not detected	1	0 16 ug/L	0 50 ug/L	
108-10-1	4 Methyl 2-Pentanone			not detected	nle	0 26 ug/L	0 50 ug/L	
108-88-3	Toluene			not detected	1000	0 15 ug/L	0 50 ug/L	
10061-02-6	trans 1 3 Dichloropropene			not detected	1	0 12 ug/L	0 50 ug/L	
79-00-5	1 1 2-Trichloroethane			not detected	3	0 14 ug/L	0 50 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0 18 ug/L	0 50 ug/L	
591 78-6	2 Hexanone			not detected	nle	0 20 ug/L	0 50 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0 14 ug/L	0 50 ug/L	
108-90-7	Chlorobenzene			not detected	50	0 15 ug/L	0 50 ug/L	
100-41-4	Ethylbenzene			not detected	700	0 16 ug/L	0 50 ug/L	
630-20-6	1 1 1 2 tetrachloroethane			not detected	1	0 15 ug/L	0 50 ug/L	
1330-20-7	m-p-Xylenes			not detected	nle	0 27 ug/L	1 00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0 14 ug/L	0 50 ug/L	
100-42-5	Styrene			not detected	100	0 12 ug/L	0 50 ug/L	
75-25-2	Bromoform			not detected	4	0 14 ug/L	0 50 ug/L	
79-34-5	1 1 2 2-Tetrachloroethane			not detected	1	0 12 ug/L	0 50 ug/L	
541-73-1	1 3-Dichlorobenzene			not detected	600	0 12 ug/L	0 50 ug/L	
106-46-7	1 4-Dichlorobenzene			not detected	75	0 12 ug/L	0 50 ug/L	
95-50-1	1 2 Dichlorobenzene			not detected	600	0 12 ug/L	0 50 ug/L	

*Results between MDL and RL are estimated values

Higher of PQL s and Ground Water Quality Cri eria as per N J A C 7 9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
J= Estimated concentration value falls between R L and M D L
MDL = Method Detection Limit
NLE = No Limit Established
R T = Retention Time
R L = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

700 MW-E

Lab Name FMETL Contract

Lab Code 13461 Case No MW SAS No SDG No 10017

Matrix (soil/water) WATER Lab Sample ID 1001708

Sample wt/vol 5 0 (g/ml) ML Lab File ID VA5325 D

Level (low/med) LOW Date Received 1/13/2010

% Moisture not dec Date Analyzed 1/15/2010

GC Column RTX-VM ID 0 25 (mm) Dilution Factor 1 0

Soil Extract Volume (uL) Soil Aliquot Volume (uL)

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/L

Number TICs found 0

CAS NO	COMPOUND NAME	RT	EST CONC	Q

LABORATORY DELIVERABLES CHECKLIST AND NON-CONFORMANCE SUMMARY

THIS FORM MUST BE COMPLETED BY THE LABORATORY OR ENVIRONMENTAL CONSULTANT AND ACCOMPANY ALL DATA SUBMISSIONS

The following Laboratory Deliverables Checklist and Non-Conformance Summary shall be included in the data submission All deviations from the accepted methodology and procedures, of performance values outside acceptable ranges shall be summarized in the Non-Conformance Summary The Technical Requirements for Site Remediation, effective June 7, 1993, provides further details The document shall be bound and paginated, contain a table of contents, and all pages shall be legible Incomplete data packages will be returned or held without review until the data package is completed

It is recommended that the analytical results summary sheets listing all targeted and non-targeted compounds with the method detection limits, practical quantitation limits, and the laboratory and/or sample numbers be included in one section of the data package and in the main body of the report

1	Cover Page, Title Page listing Lab Certification #, facility name and address, & date of report submitted	✓
2	Table of Contents submitted	✓
3	Summary Sheets listing analytical results for all targeted and non-targeted compounds submitted	✓
4	Document paginated and legible	✓
5	Chain of Custody submitted	✓
6	Samples submitted to lab within 48 hours of sample collection	✓
7	Methodology Summary submitted	✓
8	Laboratory Chronicle and Holding Time Check submitted	✓
9	Results submitted on a dry weight basis	✓
10	Method Detection Limits submitted	✓
11	Lab certified by NJDEP for parameters of appropnate category of parameters or a member of the USEPA CLP	✓

Laboratory Manager or Environmental Consultant's Signature Dean Tarabokija

Date 2/3/10

Laboratory Certification # 13461

*Refer to NJAC 7 26E – Appendix A, Section IV – Reduced Data Deliverables – Non-USEPA/CLP Methods for further guidance

Laboratory Authentication Statement

I certify under penalty of law, where applicable, that this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N J.A C 7 18 and 40 CFR Part 136 for Water and Wastewater Analyses and SW-846 for Solid Waste Analysis I have personally examined the information contained in this report and to the best of my knowledge, I believe that the submitted information is true, accurate, complete and meets the above referenced standards where applicable I am aware that there are significant penalties for purposefully submitting falsified information, including the possibility of a fine and imprisonment

Dean Tardiff 2/3/10

Dean Tardiff
Laboratory Manager