

United States Army
Fort Monmouth, New Jersey

**Underground Storage Tank
Closure and Site Investigation
Report**

***Building 1220
Rittko Avenue & North Drive
Main Post***

**NJDEP UST Registration No. 81533-175 thru 183
Spill Case No. 97-12-31-1154-44**

June 1998

**UNDERGROUND STORAGE TANK
CLOSURE AND SITE INVESTIGATION REPORT**

BUILDING 1220

**RITTKO AVENUE
MAIN POST
NJDEP UST REGISTRATION NO. 81533-175 THRU 183
SPILL CASE NO. 97-12-31-1154-44**

JUNE 1998

**PROJECT NO.: 93-0945
CONTRACT NO.: DAAB08-97-C-0027**

PREPARED FOR:

**UNITED STATES ARMY, FORT MONMOUTH, NEW JERSEY
DIRECTORATE OF PUBLIC WORKS
BUILDING 167
FORT MONMOUTH, NJ 07703**

PREPARED BY:

**ENVIRONMENTAL CONTROL TECHNOLOGIES, INCORPORATED
1110 DEVON COURT
MAHWAH, NEW JERSEY 07430**

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	3
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 SITE INVESTIGATION ACTIVITIES	6
2.1 OVERVIEW	6
2.2 FIELD SCREENING/MONITORING	6
2.3 SOIL SAMPLING	6
2.4 GROUNDWATER SAMPLING	7
3.0 CONCLUSIONS AND RECOMMENDATIONS	8
3.1 SOIL SAMPLING RESULTS	8
3.2 GROUNDWATER SAMPLING RESULTS	8
3.3 CONCLUSIONS AND RECOMMENDATIONS	9

TABLE OF CONTENTS (CONTINUED)

TABLES

Table 1	Summary of Post-Excavation Sampling Activities
Table 2	Post-Excavation Soil Sampling Results
Table 3	Groundwater Sampling Results

FIGURES

Figure 1	Site Location Map
Figure 2	Site Plan
Figure 3	Soil Sampling Location Map

APPENDICES

Appendix A	Figures
Appendix B	Site Assessment Summary/NJDEP Standard Reporting Form
Appendix C	Waste Manifest
Appendix D	UST Disposal Certificate
Appendix E	Contaminated Soil Weigh Tickets
Appendix F	Soil Analytical Data Package
Appendix G	Groundwater Analytical Data Package

EXECUTIVE SUMMARY

UST Closure

Between January 6, 1998, and January 26, 1998, nine steel underground storage tanks (USTs) were closed at U.S. Army Fort Monmouth, Fort Monmouth, New Jersey, by removal in accordance with the Technical Regulations for the New Jersey Department of Environmental Protection (NJDEP). The USTs, NJDEP Registration Nos. 081533-175 thru 183, were located immediately behind Building 1220, on Rittko Avenue in the Main Post area of U.S. Army, Fort Monmouth. UST Nos. 081533-175 thru 183 were all 30,000-gallon No. 6 heating oil USTs. The UST fill ports were located remotely from the tanks, along Rittko Avenue. The tank closures were performed by Environmental Control Technologies, Inc. (ECTI).

Site Assessment - Soil

The site assessment was performed by ECTI in accordance with the NJDEP *Technical Requirements for Site Remediation* (N.J.A.C. 7:26E) and the NJDEP *Field Sampling Procedures Manual*. The site assessment activities conducted by ECTI were overseen by U.S. Army personnel. Soils surrounding the tank were screened visually and with air monitoring equipment for evidence of contamination. Following removal, each UST was inspected for corrosion holes. Some holes were noted in one UST (designated as Fuel Oil Tank No. 9) and some of its product piping. Evidence of potentially contaminated soils were observed surrounding each of the former tanks. Most of that contamination appeared to be the result of historic overfilling of the tanks.

On December 30, 1997, approximately 162 cubic yards of potentially contaminated soils were removed from the excavation. An additional 90 cubic yards of potentially contaminated soils were removed on January 5, 1998, followed by 123 cubic yards removed on January 21, 1998, and 295 cubic yards removed on January 30, 1998.

On January 29, 1998, following removal of all soil from the concrete hold-down pad beneath Fuel Oil Tanks Nos. 6, 7, 8, and 9, the integrity of the concrete pad was examined by U.S. Army personnel and found to be in good condition. Following that investigation, six soil samples were collected around the perimeter of the concrete pad, in accordance with N.J.A.C.7:26E-3.9(b)1. These soil samples were designated PS-1 through PS-6. The samples were collected at a depth of approximately 15 feet below ground surface (BGS). Groundwater was present at approximately 15'-9" BGS. Since all soil in the area of the product piping had been removed to the bottom of the excavation, there was no soil to be sampled for piping residues. All samples were analyzed for total petroleum hydrocarbons (TPHC) by the U.S. Army, Fort Monmouth Environmental Laboratory (NJDEP Certification No. 13461).

On January 30, 1998, U.S. Army personnel returned to the area and drilled three holes through the concrete pad. Following drilling through the concrete, soil samples were collected by U.S. Army personnel from immediately beneath the concrete pad at each of

the three locations. Each of the three samples were analyzed for total petroleum hydrocarbons (TPHC) by the U.S. Army, Fort Monmouth Environmental Laboratory.

On February 6, 1998, following removal of all soil from the concrete hold-down pad beneath Fuel Oil Tanks Nos. 1, 2, 3, 4, and 5, the integrity of the concrete pad was again examined by U.S. Army personnel and found to be in good condition. Following that investigation, six soil samples were collected around the perimeter of that concrete pad, in accordance with N.J.A.C. 7:26E-3.9(b) 1. These soil samples were designated PE-1 through PE-6. The samples were collected at a depth of approximately 15 feet below ground surface (BGS). Groundwater was present at approximately 15'-9" BGS. Since all soil in the area of the product piping had been removed to the bottom of the excavation, there was no soil to be sampled for piping residues. All samples were analyzed for total petroleum hydrocarbons (TPHC) by the U.S. Army, Fort Monmouth Environmental Laboratory.

Findings - Soil

All post-excavation soil samples collected from the perimeter of the UST concrete hold-down pads contained TPHC concentrations below the NJDEP residential direct contact total organic contaminants soil cleanup criteria of 10,000 milligrams per kilogram (mg/Kg) (N.J.A.C. 7:26D and revisions dated February 3, 1994). Samples PS-1 through PS-6 contained levels of TPHC ranging in concentration from ND to 712.28 mg/Kg. Samples PE-1 through PE-6 contained levels of TPHC ranging in concentration from ND to 249.60 mg/Kg. The minimum detection levels (MDLs) for all soil samples were close to or greater than 200 mg/Kg, as a result, no base/neutral analyses were conducted on any of the soil samples.

Based on the post-excavation soil sampling results, soils with TPHC concentrations exceeding the NJDEP soil cleanup criteria for total organic contaminants of 10,000 mg/Kg, do not exist in the former location of the USTs or their associated piping.

Site Restoration

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

Site Assessment Quality Assurance

The sampling and laboratory analysis conducted during the site assessment were performed in accordance with Section 7:26E-2.1 of the *Technical Requirements for Site Remediation*.

Site Assessment -Ground Water

In response to the observation of potentially contaminated soil and the potential of groundwater contamination, two (2) groundwater samples were collected at Building 1220. On November 6, 1998, and December 3, 1998, Building 1220 was sampled for volatile organic compounds calibrated for xylene plus 15 tentatively identified compounds (VOC's), and semivolatile organic compounds plus 15 tentatively identified compounds (SVOC's). All groundwater analytical results were either below the detection limit or in compliance with the New Jersey Ground Water Quality Criteria (GWQC).

No further action is proposed in regard to the closure and site assessment of UST No. 81533-175 thru 183 at Building 1220.

1.0 UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES

1.1 OVERVIEW

Nine underground storage tanks (USTs) were closed at Building 1220, U.S. Army Fort Monmouth, Fort Monmouth, New Jersey, between January 6, 1998, and January 26, 1998. The USTs, NJDEP Registration Nos. 081533-175 thru 183, were located immediately behind Building 1220, on Rittko Avenue in the Main Post area of U.S. Army, Fort Monmouth. Refer to site location map on Figure 1. This report presents the results of the DPW's implementation of a UST Decommissioning/Closure Plan. The USTs were each steel 30,000-gallon tanks containing No. 6 heating oil.

Decommissioning activities for UST Nos. 08 1533-175 thru 183 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. All permits were posted onsite for inspection. Environmental Control Technologies, Incorporated (ECTI), the contractor that conducted the decommissioning activities, is registered and certified by the NJDEP for performing UST closure activities (Certification No. US00617).

Based on an inspection of the USTs, visual evaluation and field screening of subsurface soils, and analytical results of collected soil samples, the DPW has concluded that an historical discharge was associated with one or more of the USTs and associated piping. On December 31, 1997, a spill was reported to the NJDEP "Hotline" for UST No. 081533-183 and was assigned Spill Case No. 97-12-31-1154-44. This spill case number was also assigned to Building 1220.

This UST Closure and Site Investigation Report has been prepared by Environmental Control Technologies, Inc. The applicable NJDEP-BUST regulations at the date of closure were the *Requirements for Underground Storage Tank Systems* (N.J.A.C. 7:14B-1 et seq. Effective December 21, 1987 with all revisions through November 17, 1997).

This report was prepared using information required at the time of closure. Section 1 of this UST Closure and Site 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 the final section of this report.

1.2 SITE DESCRIPTION

Building 1220 is located in the eastern portion of the Main Post area of Fort Monmouth, as shown on Figure 1. USTs No. 081533-175 thru 183 were located on the rear (north) of Building 1220 and appurtenant piping ran approximately 15 feet to 40 feet north from an enclosed piping chamber adjacent to Building 1220. The fill port area was located due east of the tanks, along Rittko Avenue. The distance from the remote fill points to the tanks ranged from approximately 60 feet to approximately 95 feet. A site map is provided on Figure 2.

1.2.1 Geological/Hydrogeological Setting

The following is a description of the geological/hydrogeological setting of the area surrounding Building 1220. 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. More than 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 have been noted in borings installed throughout Fort Monmouth. Therefore the direction of shallow groundwater should be determined on a case by case basis.

1.3 HEALTH AND SAFETY

Before, during, and after all decommissioning activities, hazards at the work site which may have posed a threat to the Health and Safety of all personnel who were involved with, or were affected by, the decommissioning of the UST system were minimized. All areas which posed, or may have been suspected to pose a vapor hazard were monitored by a qualified individual utilizing a photoionization detector (PID). The individual ascertained if the area was properly vented to render the area safe, as defined by OSHA

1.4 REMOVAL OF UNDERGROUND STORAGE TANK

1.4.1 General Procedures

- All underground obstructions (utilities, etc.) were marked out at the request of ECTI prior to excavation activities.
- All activities were carried out with the greatest regard to safety and health and the safeguarding of the environment.
- All excavated soils were visually examined and screened with a PID 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 Sub-Surface Evaluator was present during all Site Assessment activities.

1.4.2 Underground Storage Tank Excavation and Cleaning

Prior to UST decommissioning activities, surficial soil was removed to expose the UST and associated piping. All free product present in the piping was drained into the UST, and the UST was purged to remove vapors prior to cutting and removal of the piping. After removal of the associated piping, a manway was opened to allow for proper cleaning. The UST was completely emptied of all liquids prior to removal from the ground. Approximately 23,914 gallons of No. 2 heating oil was transported offsite for reuse by Fuel Tank Maintenance Service, Inc. An additional 1,500 gallons of oil contaminated water was transported by Fuel Tank Maintenance Service, Inc. to New York Oil Recovery, Inc., a NYDEC-approved petroleum recycling and disposal company located in Brooklyn, New York. Refer to Appendix C for copies of waste manifests.

The USTs were cleaned prior to removal from the excavation, in accordance with the NJDEP-BUST regulations. After the USTs were removed from the excavation, they were staged on polyethylene sheeting, examined for holes, and cut up on site for disposal. Some holes were observed in some tanks during the inspection by the Sub-Surface Evaluator. Soils surrounding the USTs were screened visually and with a PID for evidence of contamination. Potentially contaminated soils were observed within the excavation.

1.5 UNDERGROUND STORAGE TANK TRANSPORTATION AND DISPOSAL

The tanks were cut up on site and transported by Neptune Scrap Metal Company to their yard for disposal in compliance with all applicable regulations and laws. See Appendix D for UST Disposal Certificates.

The removal contractor labeled the UST prior to transport with the following information:

- Site of origin
- Contact person
- NJDEP UST Facility ID number
- Name of transporter/contact person
- Destination site/contact person

1.6 MANAGEMENT OF EXCAVATED SOILS

Based on weight tickets from the weigh station at Fort Monmouth, approximately 670 cubic yards of potentially contaminated soils were removed from the excavation and staged behind Building 490, at the direction of U.S. Army personnel. These potentially contaminated soils were stockpiled on and covered with polyethylene sheets. Soils that did not exhibit signs of contamination were used as backfill following removal of the UST.

2.0 SITE INVESTIGATION ACTIVITIES

2.1 OVERVIEW

The Site Investigation was managed by U.S. Army DPW personnel and carried out by ECTI. All TPHC analyses were performed and reported by U.S. Army Fort Monmouth Environmental Laboratory, Inc., an NJDEP-certified testing laboratory. All sampling was performed under the direct supervision of an NJDEP Certified Sub-Surface Evaluator according to the methods described in the NJDEP Field Sampling Procedures Manual (1992). Sampling frequency and parameters analyzed complied with the NJDEP Technical Regulations (N.J.A.C. 7:26E), which was the applicable regulation at the time of the closures.

The following Parties participated in Closure and Site Investigation Activities.

- Closure Contractor: Environmental Control Technologies, Inc. (ECTI)
Closure Supervisor: Harry H. Elias, P.E.
Phone Number: (201) 236-8448
NJDEP Certification No.: 10510
- Subsurface Evaluator: Dinkerrai M. Desai
Employer: U.S. Army, Fort Monmouth
Phone Number: (908) 532-1475
NJDEP Certification No.: E0002266
- Analytical Laboratory: U.S. Army Fort Monmouth Environmental Laboratory
Contact Person: Brian K. McKee
Phone Number: (908) 532-4359
NJDEP Company Certification No.: 13461

2.2 FIELD SCREENING/MONITORING

Field screening was performed by an NJDEP Certified Sub-Surface Evaluator using a PID and visual observations to identify potentially contaminated material. Soils were removed from the UST excavation area until no evidence of contamination remained.

2.3 SOIL SAMPLING

Due to field screening of subsurface soils, approximately 162 cubic yards of potentially contaminated soils were removed from the excavation on December 30, 1997. An additional 90 cubic yards of potentially contaminated soils were removed on January 5, 1998, followed by 123 cubic yards removed on January 21, 1998, and 295 cubic yards removed on January 30, 1998.

On January 29, 1998, following removal of all soil from the concrete hold-down pad beneath Fuel Oil Tanks Nos. 6, 7, 8, and 9, the integrity of the concrete pad was examined by U.S.

Army personnel and found to be in good condition. Following that investigation, six soil samples were collected around the perimeter of the concrete pad, in accordance with N.J.A.C. 7:26E-3.9(b)1. These soil samples were designated PS-1 through PS-6. The samples were collected at a depth of approximately 15 feet below ground surface (BGS). Groundwater was present at approximately 15'-9" BGS. Since all soil in the area of the product piping had been removed to the bottom of the excavation, there was no soil to be sampled for piping residues. All samples were analyzed for total petroleum hydrocarbons (TPHC) by the U.S. Army, Fort Monmouth Environmental Laboratory (NJDEP Certification No. 13461).

On January 30, 1998, U.S. Army personnel returned to the area and drilled three holes through the concrete pad. Following drilling through the concrete, soil samples were collected by U.S. Army personnel from immediately beneath the concrete pad at each of the three locations. Each of the three samples were analyzed for total petroleum hydrocarbons (TPHC) by the U.S. Army, Fort Monmouth Environmental Laboratory.

On February 6, 1998, following removal of all soil from the concrete hold-down pad beneath Fuel Oil Tanks Nos. 1, 2, 3, 4, and 5, the integrity of the concrete pad was again examined by U.S. Army personnel and found to be in good condition. Following that investigation, six soil samples were collected around the perimeter of that concrete pad, in accordance with N.J.A.C. 7:26E-3.9(b)1. These soil samples were designated PE-1 through PE-6. The samples were collected at a depth of approximately 15 feet below ground surface (BGS). Groundwater was present at approximately 15'-9" BGS. Since all soil in the area of the product piping had been removed to the bottom of the excavation, there was no soil to be sampled for piping residues. All samples were analyzed for total petroleum hydrocarbons (TPHC) by the U.S. Army, Fort Monmouth Environmental Laboratory.

The site assessment was performed by ECTI personnel in accordance with the NJDEP Technical Requirements and the NJDEP Field Sampling Procedures Manual. A summary of sampling activities including parameters analyzed is provided in Table 1. Following soil sampling activities, the TPHC samples were chilled and delivered to U.S. Army Fort Monmouth Environmental Laboratory located in Fort Monmouth, New Jersey, for analysis.

2.4 GROUNDWATER SAMPLING

On November 6, 1998, and December 3, 1998, Building 1220 was sampled for volatile organic compounds calibrated for xylene plus 15 tentatively identified compounds (VOC's), and semivolatile organic compounds plus 15 tentatively identified compounds (SVOC's). Sampling and analysis were performed in accordance with the NJDEP *Field Sampling Procedures Manual* and the *Technical Requirements For Site Remediation*. Refer to Appendix G for the field sampling documentation.

3.0 CONCLUSIONS AND RECOMMENDATIONS

3.1 SOIL SAMPLING RESULTS

To evaluate soil conditions following removal of the USTs and their associated piping, post-excavation soil samples were collected from a total of 12 locations. The first six samples (numbered PS-1 thru PS-6) were collected around the perimeter of the concrete hold-down pad beneath Tanks 6 thru 9 on January 29, 1998. The final six samples (numbered PE-1 thru PE-6) were collected around the perimeter of the concrete hold-down pad beneath Tanks 1 thru 5 on February 6, 1998. No excessive TPHC results were found among any of these samples. The post-excavation sampling results were compared to the NJDEP residential direct contact total organic contaminants soil cleanup criteria of 10,000 mg/Kg (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 in Table 2. The analytical data package is provided in Appendix F.

All post-excavation soil samples collected from the perimeter of the hold-down pads in the UST excavation, including any piping associated with the former USTs at Building 1220, contained TPHC concentrations below the NJDEP residential direct contact total organic contaminants soil cleanup criteria of 10,000 milligrams per kilogram (mg/Kg) (N.J.A.C. 7:26D and revisions dated February 3, 1994). Among the PS series of soil samples, TPHC concentrations ranged from ND (samples PS-1 and PS-4) to 712.28 mg/Kg (sample PS-2). Among the PE series of soil samples, TPHC concentrations ranged from ND (samples PE-1, PE-2, and PE-5) to 249.60 mg/Kg (sample PE-6). According to the NJDEP Technical Regulations (N.J.A.C. 7:26E-2. 1(d) and Table 2-1), samples collected for TPHC analyses from excavations which contained USTs holding No. 6 heating oil must analyze one sample in four which contain greater than 100 mg/Kg TPHC for polynuclear aromatic hydrocarbons (PAHs). However, because the minimum detection levels (MDLs) for all soil samples collected were close to or greater than 200 mg/Kg, no PAH analyses were conducted on any of the soil samples.

3.2 GROUNDWATER SAMPLING RESULTS

The sample collected from Building 1220 on November 6, 1998, contained trichlorofluoromethane at 8.51 ug/l and acetone at 7.47 ug/l. No other compounds were detected.

The sample collected from Building 1220 on December 3, 1998, contained trichlorofluoromethane at 39.87 ug/l and bis(2-ethylhexyl)phthalate at 2.06 ug/l. No other compounds were detected. Bis(2-ethylhexyl)phthalate was detected in the field blank at a concentration of 1.89 ug/l. No other compounds were detected in the field blank.

A summary of the analytical results and comparison to the NJDEP groundwater cleanup criteria is provided in Table 3. The analytical data package is provided in Appendix G. The full data package, including quality control, is on file at U.S. Fort Monmouth, DPW.

Groundwater samples collected on November 6, 1998, and December 3, 1998, were either below the detection limit or in compliance with the New Jersey Ground Water Quality Criteria (GWQC).

3.3 CONCLUSIONS AND RECOMMENDATIONS

The analytical results for all post-excavation soil samples collected from the UST closure excavation at Building 1220 were below the NJDEP soil cleanup criteria for total organic contaminants.

Based on the post-excavation sampling results, soil with TPHC concentrations exceeding the NJDEP soil cleanup criteria for total organic contaminants of 10,000 mg/kg, do not exist in the former location of the UST or associated piping.

Based on the analytical results of the groundwater samples collected at Building 1220 on November 6, 1998, and December 3, 1998, groundwater quality at Building 1220 was either below the detection limit or in compliance with the New Jersey Ground Water Quality Criteria (GWQC).

No further action is proposed in regard to the closure and site assessment of UST No. 81533-175 thru 183 at Building 1220.

64 1

612

1

ان تروى

$f: \mathbb{R} \rightarrow \mathbb{R}$

2004

1

10. 10.10.10

f: A

© 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688,

Page 3

442

५. ३

Page 3

Figure 9

Page 10

p. 2

الحمد لله

१३

bio. 2

f. 3

612-2

П. 3

140.29

7

by 20

f. 2

Fig. 23

17

100

10

1

1. 1

1. 100

9. 11

6. 22

 f_{L}

but

TABLES

TABLE 1

SUMMARY OF POST-EXCAVATION SAMPLING ACTIVITIES
BUILDING 1220, MAIN POST AREA
FORT MONMOUTH, NEW JERSEY

Page 1 of 3

Sample ID	Date of Collection	Date Analysis Started	Matrix	Sample Type	Analytical Parameters*	NJDEP Method
PS-1	1/29/98	2/2/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
PS-2	1/29/98	2/2/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
PS-3	1/29/98	2/2/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
PS-4	1/29/98	2/2/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
PS-5	1/29/98	2/2/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
PS-6	1/29/98	2/2/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
HOLE#1	1/29/98	2/2/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
HOLE#2	1/29/98	2/2/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
HOLE#3	1/29/98	2/2/98	Soil	Post-Excavation	TPHC	OQA-QAM-025

Note:

* TPHC Total Petroleum Hydrocarbons

TABLE 1

SUMMARY OF POST-EXCAVATION SAMPLING ACTIVITIES
BUILDING 1220, MAIN POST AREA
FORT MONMOUTH, NEW JERSEY

Page 2 of 3

Sample ID	Date of Collection	Date Analysis Started	Matrix	Sample Type	Analytical Parameters*	NJDEP Method
PE-1	1/29/98	2/2/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
PE-2	1/29/98	2/2/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
PE-3	1/29/98	2/2/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
PE-4	1/29/98	2/2/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
PE-5	1/29/98	2/2/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
PE-6	1/29/98	2/2/98	Soil	Post-Excavation	TPHC	OQA-QAM-025

Note:

* TPHC Total Petroleum Hydrocarbons

TABLE 1

SUMMARY OF SAMPLING ACTIVITIES
BUILDING 1220, MAIN POST AREA
FORT MONMOUTH, NEW JERSEY

Page 3 of 3

Sample ID	Date of Collection	Date Analysis Started	Matrix	Sample Type	Analytical Parameters*	Sampling Method**
4035.07	11/6/98	11/10/98	Aqueous	Groundwater	VOCs, SVOCs	PPNDP
4035.08	11/6/98	11/18/98	Aqueous	Groundwater	VOCs, SVOCs	PPNDP
4107.05	12/3/98	12/8/98	Aqueous	Groundwater	VOCs, SVOCs	PPNDP
4107.06	12/3/98	12/18/98	Aqueous	Groundwater	VOCs, SVOCs	PPNDP

Note:

*VOCs: Volatile Organic Compounds plus 15 tentatively identified compounds

*SVOCs: Semivolatile organic compounds plus 15 tentatively identified compounds

**PPNDP: Passively Placed Narrow Diameter Point

TABLE 2
PAGE 1 OF 2

POST-EXCAVATION SOIL SAMPLING RESULTS
BUILDING 1220
FORT MONMOUTH, NEW JERSEY

Sample ID/Depth	Sample Laboratory ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (mg/kg)	Compound of Concern	Result (mg/kg)	NJDEP Soil Cleanup Criteria * (mg/kg)	Exceeds Cleanup Criteria
PS - 1	3303.01	1-29-98	2-2-98	Total Solid	--	--	83.82 %	N/A	--
15'-0" to 15'-6"				TPHC	183	yes	ND	10,000	--
PS - 2	3303.02	1-29-98	2-2-98	Total Solid	--	--	82.00 %	N/A	--
15'-0" to 15'-6"				TPHC	191	yes	712.28	10,000	--
PS-3"	3303.03	1-29-98	2-2-98	Total Solid	--	--	72.37 %	N/A	--
15'-0" to 15'-6"				TPHC	204	yes	280.63	10,000	--
PS-4	3303.04	1-29-98	2-2-98	Total Solid	--	--	74.73 %	N/A	--
15'-0" to 15'-6"				TPHC	207	yes	ND	10,000	--
PS-5	3303.05	1-29-98	2-2-98	Total Solid	--	--	81.20 %	N/A	--
15'-0" to 15'-6"				TPHC	181	yes	511.31	10,000	--
PS-6"	3303.06	1-29-98	2-2-98	Total Solid	--	--	78.80 %	N/A	--
15'-0" to 15'-6"				TPHC	194	yes	431.79	10,000	--
Hole #1	3307.01	1-30-98	2-2-98	Total Solid	--	--	75.64 %	N/A	--
16'-0" to 16'-6"				TPHC	203	yes	476.63	10,000	--
Hole #2	3307.02	1-30-98	2-2-98	Total Solid	--	--	70.24 %	N/A	--
16'-0" to 16'-6"				TPHC	222	yes	ND	10,000	--
Hole #3	3307.03	1-30-98	2-2-98	Total Solid	--	--	78.70 %	N/A	--
16'-0" to 16'-6"				TPHC	193	yes	ND	10,000	--

Notes:

* Cleanup criteria for total organics
 N/A Not applicable
 -- Does not exceed criteria
 TPHC Total Petroleum Hydrocarbons
 ND None Detected

TABLE 2
PAGE 2 OF 2

POST-EXCAVATION SOIL SAMPLING RESULTS
BUILDING 1220
FORT MONMOUTH, NEW JERSEY

Sample ID/Depth	Sample Laboratory ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (mg/kg)	Compound of Concern	Result (mg/kg)	NJDEP Soil Cleanup Criteria * (mg/kg)	Exceeds Cleanup Criteria
PE - 1	3323.01	2-6-98	2-7-98	Total Solid	--	--	80.78 %	N/A	--
15'-0" to 15'-6"				TPHC	187	yes	ND	10,000	--
PE - 2	3323.02	2-6-98	2-7-98	Total Solid	--	--	79.80 %	N/A	--
15'-0" to 15'-6"				TPHC	196	yes	ND	10,000	--
PE-3"	3323.03	2-6-98	2-7-98	Total Solid	--	--	79.71 %	N/A	--
15'-0" to 15'-6"				TPHC	192	yes	196.51	10,000	--
PE-4	3323.04	2-6-98	2-7-98	Total Solid	--	--	70.50 %	N/A	--
15'-0" to 15'-6"				TPHC	219	yes	240.23	10,000	--
PE-5	3323.05	2-6-98	2-7-98	Total Solid	--	--	78.80%	N/A	--
15'-0" to 15'-6"				TPHC	195	yes	ND	10,000	--
PE-6"	3323.06	2-6-98	2-7-98	Total Solid	--	--	75.75 %	N/A	--
15'-0" to 15'-6"				TPHC	200	yes	249.60	10,000	--

Notes:

- * Cleanup criteria for total organics
- N/A Not applicable
- Does not exceed criteria
- TPHC Total Petroleum Hydrocarbons
- ND None Detected

Table 3
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETLNJDEP # 13461Matrix: (soil/water) WATERDate Sampled: 11/6/98Location: 1220Lab Sample ID: 4035.01(Trip Blank)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
107028	Acrolein	1.85	Not Detected	--	50	no
107131	Acrylonitrile	2.78	Not Detected	--	50	no
75650	tert-Butyl alcohol	8.52	Not Detected	--	nle	no
1634044	Methyl-tert-Butyl ether	0.16	Not Detected	--	nle	no
108203	Di-isopropyl ether	0.25	Not Detected	--	nle	no
	Dichlorodifluoromethane	1.68	Not Detected	--	nle	no
74-87-3	Chloromethane	1.16	Not Detected	--	30	no
75-01-4	Vinyl Chloride	1.06	Not Detected	--	5	no
74-83-9	Bromomethane	1.10	Not Detected	--	10	no
75-00-3	Chloroethane	1.01	Not Detected	--	nle	no
75-69-4	Trichlorofluoromethane	0.50	Not Detected	--	nle	no
75-35-4	1, 1-Dichloroethene	0.24	Not Detected	--	2	no
67-64-1	Acetone	1.36	Not Detected	--	700	no
75-15-0	Carbon Disulfide	0.46	Not Detected	--	nle	no
75-09-2	Methylene Chloride	0.24	Not Detected	--	2	no
156-60-5	trans-1,2-Dichloroethene	0.16	Not Detected	--	100	no
75-35-3	1,1-Dichloroethane	0.12	Not Detected	--	70	no
108-05-4	Vinyl Acetate	0.78	Not Detected	--	nle	no
78-93-3	2-Butanone	0.62	Not Detected	--	300	no
156-59-2	cis-1,2-Dichloroethene	0.17	Not Detected	--	10	no
67-66-3	Chloroform	0.30	Not Detected	--	6	no
75-55-6	1,1,1-Trichloroethane	0.23	Not Detected	--	30	no
56-23-5	Carbon Tetrachloride	0.47	Not Detected	--	2	no
71-43-2	Benzeze	0.23	Not Detected	--	1	no
107-06-2	1,2-Dichloroethane	0.18	Not Detected	--	2	no
79-01-6	Trichloroethene	0.23	Not Detected	--	1	no
78-87-5	1, 2-Dichloropropane	0.40	Not Detected	--	1	no
75-27-4	Bromodichloromethane	0.55	Not Detected	--	1	no
110-75-8	2-Chloroethyl vinyl ether	0.65	Not Detected	--	nle	no
10061-01-5	cis-1,3-Dichloropropene	0.69	Not Detected	--	nle	no

Table 3
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETLNJDEP # 13461Matrix: (soil/water) WATERDate Sampled: 11/6/98Location: 1220Lab Sample ID: 4035.01(Trip Blank)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
108-10-1	4-Methyl-2-Pentanone	0.59	Not Detected	--	400	no
108-88-3	Toluene	0.37	Not Detected	--	1000	no
10061-02-6	trans-1,3-Dichloropropene	0.87	Not Detected	--	nle	no
79-00-5	1,1,2-Trichloroethane	0.48	Not Detected	--	3	no
127-18-4	Tetrachloroethene	0.32	Not Detected	--	1	no
591-78-6	2-Hexanone	0.71	Not Detected	--	nle	no
126-48-1	Dibromochloromethane	0.86	Not Detected	--	10	no
108-90-7	Chlorobenzene	0.39	Not Detected	--	4	no
100-41-4	Ethylbenzene	0.65	Not Detected	--	700	no
1330-20-7	m+p-Xylenes	1.14	Not Detected	--	nle	no
1330-20-7	o-Xylene	0.62	Not Detected	--	nle	no
100-42-5	Styrene	0.56	Not Detected	--	100	no
75-25-2	Bromoform	0.70	Not Detected	--	4	no
79-34-5	1,1,2,2-Tetrachloroethane	0.47	Not Detected	--	2	no
541-73-1	1,3-Dichlorobenzene	0.55	Not Detected	--	600	no
106-46-7	1,4-Dichlorobenzene	0.57	Not Detected	--	75	no
95-50-1	1,2-Dichlorobenzene	0.64	Not Detected	--	600	no

Table 3
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETL NJDEP # 13461 Matrix: (soil/water) WATER
 Date Sampled: 11/06/98 Location: 1220 Lab Sample ID: 4035.02(Field Blank)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
107028	Acrolein	1.85	Not Detected	--	50	no
107131	Acrylonitrile	2.78	Not Detected	--	50	no
75650	tert-Butyl alcohol	8.52	Not Detected	--	nle	no
1634044	Methyl-tert-Butyl ether	0.16	Not Detected	--	nle	no
108203	Di-isopropyl ether	0.25	Not Detected	--	nle	no
	Dichlorodifluoromethane	1.68	Not Detected	--	nle	no
74-87-3	Chloromethane	1.16	Not Detected	--	30	no
75-01-4	Vinyl Chloride	1.06	Not Detected	--	5	no
74-83-9	Bromomethane	1.10	Not Detected	--	10	no
75-00-3	Chloroethane	1.01	Not Detected	--	nle	no
75-69-4	Trichlorofluoromethane	0.50	Not Detected	--	nle	no
75-35-4	1, 1-Dichloroethene	0.24	Not Detected	--	2	no
67-64-1	Acetone	1.36	Not Detected	--	700	no
75-15-0	Carbon Disulfide	0.46	Not Detected	--	nle	no
75-09-2	Methylene Chloride	0.24	Not Detected	--	2	no
156-60-5	trans-1,2-Dichloroethene	0.16	Not Detected	--	100	no
75-35-3	1,1-Dichloroethane	0.12	Not Detected	--	70	no
108-05-4	Vinyl Acetate	0.78	Not Detected	--	nle	no
78-93-3	2-Butanone	0.62	Not Detected	--	300	no
156-59-2	cis-1,2-Dichloroethene	0.17	Not Detected	--	10	no
67-66-3	Chloroform	0.30	Not Detected	--	6	no
75-55-6	1,1,1-Trichloroethane	0.23	Not Detected	--	30	no
56-23-5	Carbon Tetrachloride	0.47	Not Detected	--	2	no
71-43-2	Benzeze	0.23	Not Detected	--	1	no
107-06-2	1,2-Dichloroethane	0.18	Not Detected	--	2	no
79-01-6	Trichloroethene	0.23	Not Detected	--	1	no
78-87-5	1, 2-Dichloropropane	0.40	Not Detected	--	1	no
75-27-4	Bromodichloromethane	0.55	Not Detected	--	1	no
110-75-8	2-Chloroethyl vinyl ether	0.65	Not Detected	--	nle	no
10061-01-5	cis-1,3-Dichloropropene	0.69	Not Detected	--	nle	no

Table 3
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETL NJDEP # 13461 Matrix: (soil/water) WATER
 Date Sampled: 11/06/98 Location: 1220 Lab Sample ID: 4035.02(Field Blank)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
108-10-1	4-Methyl-2-Pentanone	0.59	Not Detected	--	400	no
108-88-3	Toluene	0.37	Not Detected	--	1000	no
10061-02-6	trans-1,3-Dichloropropene	0.87	Not Detected	--	nle	no
79-00-5	1,1,2-Trichloroethane	0.48	Not Detected	--	3	no
127-18-4	Tetrachloroethene	0.32	Not Detected	--	1	no
591-78-6	2-Hexanone	0.71	Not Detected	--	nle	no
126-48-1	Dibromochloromethane	0.86	Not Detected	--	10	no
108-90-7	Chlorobenzene	0.39	Not Detected	--	4	no
100-41-4	Ethylbenzene	0.65	Not Detected	--	700	no
1330-20-7	m+p-Xylenes	1.14	Not Detected	--	nle	no
1330-20-7	o-Xylene	0.62	Not Detected	--	nle	no
100-42-5	Styrene	0.56	Not Detected	--	100	no
75-25-2	Bromoform	0.70	Not Detected	--	4	no
79-34-5	1,1,2,2-Tetrachloroethane	0.47	Not Detected	--	2	no
541-73-1	1,3-Dichlorobenzene	0.55	Not Detected	--	600	no
106-46-7	1,4-Dichlorobenzene	0.57	Not Detected	--	75	no
95-50-1	1,2-Dichlorobenzene	0.64	Not Detected	--	600	no

Table 3
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETLNJDEP # 13461Matrix: (soil/water) WATERDate Sampled: 11/6/98Location: 1220Lab Sample ID: 4035.07(Bldg 1220)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
107028	Acrolein	1.85	Not Detected	--	50	no
107131	Acrylonitrile	2.78	Not Detected	--	50	no
75650	tert-Butyl alcohol	8.52	Not Detected	--	nle	no
1634044	Methyl-tert-Butyl ether	0.16	Not Detected	--	nle	no
108203	Di-isopropyl ether	0.25	Not Detected	--	nle	no
	Dichlorodifluoromethane	1.68	Not Detected	--	nle	no
74-87-3	Chloromethane	1.16	Not Detected	--	30	no
75-01-4	Vinyl Chloride	1.06	Not Detected	--	5	no
74-83-9	Bromomethane	1.10	Not Detected	--	10	no
75-00-3	Chloroethane	1.01	Not Detected	--	nle	no
75-69-4	Trichlorofluoromethane	0.50	8.51	--	nle	no
75-35-4	1, 1-Dichloroethene	0.24	Not Detected	--	2	no
67-64-1	Acetone	1.36	7.47	--	700	no
75-15-0	Carbon Disulfide	0.46	Not Detected	--	nle	no
75-09-2	Methylene Chloride	0.24	Not Detected	--	2	no
156-60-5	trans-1,2-Dichloroethene	0.16	Not Detected	--	100	no
75-35-3	1,1-Dichloroethane	0.12	Not Detected	--	70	no
108-05-4	Vinyl Acetate	0.78	Not Detected	--	nle	no
78-93-3	2-Butanone	0.62	Not Detected	--	300	no
156-59-2	cis-1,2-Dichloroethene	0.17	Not Detected	--	10	no
67-66-3	Chloroform	0.30	Not Detected	--	6	no
75-55-6	1,1,1-Trichloroethane	0.23	Not Detected	--	30	no
56-23-5	Carbon Tetrachloride	0.47	Not Detected	--	2	no
71-43-2	Benzeze	0.23	Not Detected	--	1	no
107-06-2	1,2-Dichloroethane	0.18	Not Detected	--	2	no
79-01-6	Trichloroethene	0.23	Not Detected	--	1	no
78-87-5	1, 2-Dichloropropane	0.40	Not Detected	--	1	no
75-27-4	Bromodichloromethane	0.55	Not Detected	--	1	no
110-75-8	2-Chloroethyl vinyl ether	0.65	Not Detected	--	nle	no
10061-01-5	cis-1,3-Dichloropropene	0.69	Not Detected	--	nle	no

Table 3
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETL NJDEP # 13461 Matrix: (soil/water) WATER
 Date Sampled: 11/6/98 Location: 1220 Lab Sample ID: 4035.07(Bldg 1220)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
108-10-1	4-Methyl-2-Pentanone	0.59	Not Detected	--	400	no
108-88-3	Toluene	0.37	Not Detected	--	1000	no
10061-02-6	trans-1,3-Dichloropropene	0.87	Not Detected	--	nle	no
79-00-5	1,1,2-Trichloroethane	0.48	Not Detected	--	3	no
127-18-4	Tetrachloroethene	0.32	Not Detected	--	1	no
591-78-6	2-Hexanone	0.71	Not Detected	--	nle	no
126-48-1	Dibromochloromethane	0.86	Not Detected	--	10	no
108-90-7	Chlorobenzene	0.39	Not Detected	--	4	no
100-41-4	Ethylbenzene	0.65	Not Detected	--	700	no
1330-20-7	m+p-Xylenes	1.14	Not Detected	--	nle	no
1330-20-7	o-Xylene	0.62	Not Detected	--	nle	no
100-42-5	Styrene	0.56	Not Detected	--	100	no
75-25-2	Bromoform	0.70	Not Detected	--	4	no
79-34-5	1,1,2,2-Tetrachloroethane	0.47	Not Detected	--	2	no
541-73-1	1,3-Dichlorobenzene	0.55	Not Detected	--	600	no
106-46-7	1,4-Dichlorobenzene	0.57	Not Detected	--	75	no
95-50-1	1,2-Dichlorobenzene	0.64	Not Detected	--	600	no

Table 3
SEMI-VOLATILE ANALYSIS DATA SHEET

Lab Name: FMETLNJDEP # 13461Matrix: (soil/water) WATERDate Sampled: 11/6/98Location: 1220Lab Sample ID: 4035.02(Field Blank)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
110-86-1	Pyridine	2.52	Not Detected	--	nle	no
62-75-9	N-nitroso-dimethylamine	2.64	Not Detected	--	20	no
62-53-3	Aniline	2.90	Not Detected	--	nle	no
111-44-4	bis(2-Chloroethyl)ether	2.45	Not Detected	--	10	no
541-73-1	1,3-Dichlorobenzene	2.65	Not Detected	--	600	no
106-46-7	1,4-Dichlorobenzene	2.50	Not Detected	--	75	no
100-51-6	Benzyl alcohol	2.09	Not Detected	--	nle	no
95-50-1	1,2-Dichlorobenzene	2.44	Not Detected	--	600	no
108-60-1	bis(2-chloroisopropyl)ether	2.96	Not Detected	--	300	no
621-64-7	n-Nitroso-di-n-propylamine	2.22	Not Detected	--	20	no
67-72-1	Hexachloroethane	2.59	Not Detected	--	10	no
98-95-3	Nitrobenzene	2.45	Not Detected	--	10	no
78-59-1	Isophorone	2.31	Not Detected	--	100	no
111-91-1	bis(2-Chloroethoxy)methane	2.54	Not Detected	--	nle	no
120-82-1	1,2,4-Trichlorobenzene	2.58	Not Detected	--	9	no
91-20-3	Naphthalene	3.03	Not Detected	--	nle	no
106-47-8	4-Chloroaniline	2.55	Not Detected	--	nle	no
87-68-3	Hexachlorobutadiene	0.64	Not Detected	--	1	no
91-57-6	2-Methylnaphthalene	2.49	Not Detected	--	nle	no
77-47-4	Hexachlorocyclopentadiene	1.59	Not Detected	--	50	no
91-58-7	2-Chloronaphthalene	2.15	Not Detected	--	nle	no
88-74-4	2-Nitroaniline	1.62	Not Detected	--	nle	no
131-11-3	Dimethylphthalate	2.74	Not Detected	--	7000	no
208-96-8	Acenaphthylene	2.35	Not Detected	--	nle	no

Table 3
SEMI-VOLATILE ANALYSIS DATA SHEET

Lab Name: FMETLNJDEP # 13461Matrix: (soil/water) WATERDate Sampled: 11/6/98Location: 1220Lab Sample ID: 4035.02(Field Blank)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
606-20-2	2,6-Dinitrotoluene	1.54	Not Detected	--	nle	no
99-09-2	3-Nitroaniline	1.62	Not Detected	--	nle	no
83-32-9	Acenaphthene	1.98	Not Detected	--	400	no
132-64-9	Dibenzofuran	2.13	Not Detected	--	nle	no
121-14-2	2,4-Dinitrotoluene	1.22	Not Detected	--	10	no
84-66-2	Diethylphthalate	1.68	Not Detected	--	5000	no
86-73-7	Fluorene	1.93	Not Detected	--	300	no
7005-72-3	4-Chlorophenyl-phenylether	1.53	Not Detected	--	nle	no
100-01-6	4-Nitroaniline	2.70	Not Detected	--	nle	no
86-30-6	n-Nitrosodiphenylamine	1.73	Not Detected	--	20	no
103-33-3	Azobenzene	1.92	Not Detected	--	nle	no
101-55-3	4-Bromophenyl-phenylether	1.54	Not Detected	--	nle	no
118-74-1	Hexachlorobenzene	1.88	Not Detected	--	10	no
85-01-8	Phenanthrene	1.67	Not Detected	--	nle	no
120-12-7	Anthracene	1.79	Not Detected	--	2000	no
84-74-2	Di-n-butylphthalate	1.83	Not Detected	--	900	no
206-44-0	Fluoranthene	1.85	Not Detected	--	300	no
92-87-5	Benzidine	4.11	Not Detected	--	50	no
129-00-0	Pyrene	1.02	Not Detected	--	200	no
85-68-7	Butylbenzylphthalate	1.15	Not Detected	--	100	no
56-55-3	Benzo[a]anthracene	1.57	Not Detected	--	10	no
91-94-1	3,3'-Dichlorobenzidine	2.28	Not Detected	--	60	no
218-01-9	Chrysene	2.32	Not Detected	--	20	no
117-81-7	bis(2-Ethylhexyl)phthalate	1.29	Not Detected	--	30	no
117-84-0	Di-n-octylphthalate	1.30	Not Detected	--	100	no
205-99-2	Benzo[b]fluoranthene	1.31	Not Detected	--	10	no
207-08-9	Benzo[k]fluoranthene	1.57	Not Detected	--	2	no
50-32-8	Benzo[a]pyrene	1.36	Not Detected	--	20	no
193-39-5	Indeno[1,2,3-cd]pyrene	1.22	Not Detected	--	20	no
53-70-3	Dibenz[a,h]anthracene	3.12	Not Detected	--	20	no
191-24-2	Benzo[g,h,i]perylene	1.13	Not Detected	--	nle	no

Table 3
SEMI-VOLATILE ANALYSIS DATA SHEET

Lab Name: FMETLNJDEP # 13461Matrix: (soil/water) WATERDate Sampled: 11/6/98Location: 1220Lab Sample ID: 4035.08(Bldg 1220)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
110-86-1	Pyridine	2.52	Not Detected	--	nle	no
62-75-9	N-nitroso-dimethylamine	2.64	Not Detected	--	20	no
62-53-3	Aniline	2.90	Not Detected	--	nle	no
111-44-4	bis(2-Chloroethyl)ether	2.45	Not Detected	--	10	no
541-73-1	1,3-Dichlorobenzene	2.65	Not Detected	--	600	no
106-46-7	1,4-Dichlorobenzene	2.50	Not Detected	--	75	no
100-51-6	Benzyl alcohol	2.09	Not Detected	--	nle	no
95-50-1	1,2-Dichlorobenzene	2.44	Not Detected	--	600	no
108-60-1	bis(2-chloroisopropyl)ether	2.96	Not Detected	--	300	no
621-64-7	n-Nitroso-di-n-propylamine	2.22	Not Detected	--	20	no
67-72-1	Hexachloroethane	2.59	Not Detected	--	10	no
98-95-3	Nitrobenzene	2.45	Not Detected	--	10	no
78-59-1	Isophorone	2.31	Not Detected	--	100	no
111-91-1	bis(2-Chloroethoxy)methane	2.54	Not Detected	--	nle	no
120-82-1	1,2,4-Trichlorobenzene	2.58	Not Detected	--	9	no
91-20-3	Naphthalene	3.03	Not Detected	--	nle	no
106-47-8	4-Chloroaniline	2.55	Not Detected	--	nle	no
87-68-3	Hexachlorobutadiene	0.64	Not Detected	--	1	no
91-57-6	2-Methylnaphthalene	2.49	Not Detected	--	nle	no
77-47-4	Hexachlorocyclopentadiene	1.59	Not Detected	--	50	no
91-58-7	2-Chloronaphthalene	2.15	Not Detected	--	nle	no
88-74-4	2-Nitroaniline	1.62	Not Detected	--	nle	no
131-11-3	Dimethylphthalate	2.74	Not Detected	--	7000	no
208-96-8	Acenaphthylene	2.35	Not Detected	--	nle	no

Table 3
SEMI-VOLATILE ANALYSIS DATA SHEET

Lab Name: FMETLNJDEP # 13461Matrix: (soil/water) WATERDate Sampled: 11/6/98Location: 1220Lab Sample ID: 4035.08(Bldg 1220)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
606-20-2	2,6-Dinitrotoluene	1.54	Not Detected	--	nle	no
99-09-2	3-Nitroaniline	1.62	Not Detected	--	nle	no
83-32-9	Acenaphthene	1.98	Not Detected	--	400	no
132-64-9	Dibenzofuran	2.13	Not Detected	--	nle	no
121-14-2	2,4-Dinitrotoluene	1.22	Not Detected	--	10	no
84-66-2	Diethylphthalate	1.68	Not Detected	--	5000	no
86-73-7	Fluorene	1.93	Not Detected	--	300	no
7005-72-3	4-Chlorophenyl-phenylether	1.53	Not Detected	--	nle	no
100-01-6	4-Nitroaniline	2.70	Not Detected	--	nle	no
86-30-6	n-Nitrosodiphenylamine	1.73	Not Detected	--	20	no
103-33-3	Azobenzene	1.92	Not Detected	--	nle	no
101-55-3	4-Bromophenyl-phenylether	1.54	Not Detected	--	nle	no
118-74-1	Hexachlorobenzene	1.88	Not Detected	--	10	no
85-01-8	Phenanthrene	1.67	Not Detected	--	nle	no
120-12-7	Anthracene	1.79	Not Detected	--	2000	no
84-74-2	Di-n-butylphthalate	1.83	Not Detected	--	900	no
206-44-0	Fluoranthene	1.85	Not Detected	--	300	no
92-87-5	Benzidine	4.11	Not Detected	--	50	no
129-00-0	Pyrene	1.02	Not Detected	--	200	no
85-68-7	Butylbenzylphthalate	1.15	Not Detected	--	100	no
56-55-3	Benzo[a]anthracene	1.57	Not Detected	--	10	no
91-94-1	3,3'-Dichlorobenzidine	2.28	Not Detected	--	60	no
218-01-9	Chrysene	2.32	Not Detected	--	20	no
117-81-7	bis(2-Ethylhexyl)phthalate	1.29	Not Detected	--	30	no
117-84-0	Di-n-octylphthalate	1.30	Not Detected	--	100	no
205-99-2	Benzo[b]fluoranthene	1.31	Not Detected	--	10	no
207-08-9	Benzo[k]fluoranthene	1.57	Not Detected	--	2	no
50-32-8	Benzo[a]pyrene	1.36	Not Detected	--	20	no
193-39-5	Indeno[1,2,3-cd]pyrene	1.22	Not Detected	--	20	no
53-70-3	Dibenz[a,h]anthracene	3.12	Not Detected	--	20	no
191-24-2	Benzo[g,h,i]perylene	1.13	Not Detected	--	nle	no

Table 3
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETL NJDEP # 13461 Matrix: (soil/water) WATER
 Date Sampled: 12/3/98 Location: 1220 Lab Sample ID: 4107.01(Trip Blank)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
107028	Acrolein	1.85	Not Detected	--	50	no
107131	Acrylonitrile	2.78	Not Detected	--	50	no
75650	tert-Butyl alcohol	8.52	Not Detected	--	nle	no
1634044	Methyl-tert-Butyl ether	0.16	Not Detected	--	nle	no
108203	Di-isopropyl ether	0.25	Not Detected	--	nle	no
	Dichlorodifluoromethane	1.68	Not Detected	--	nle	no
74-87-3	Chloromethane	1.16	Not Detected	--	30	no
75-01-4	Vinyl Chloride	1.06	Not Detected	--	5	no
74-83-9	Bromomethane	1.10	Not Detected	--	10	no
75-00-3	Chloroethane	1.01	Not Detected	--	nle	no
75-69-4	Trichlorofluoromethane	0.50	Not Detected	--	nle	no
75-35-4	1, 1-Dichloroethene	0.24	Not Detected	--	2	no
67-64-1	Acetone	1.36	Not Detected	--	700	no
75-15-0	Carbon Disulfide	0.46	Not Detected	--	nle	no
75-09-2	Methylene Chloride	0.24	Not Detected	--	2	no
156-60-5	trans-1,2-Dichloroethene	0.16	Not Detected	--	100	no
75-35-3	1,1-Dichloroethane	0.12	Not Detected	--	70	no
108-05-4	Vinyl Acetate	0.78	Not Detected	--	nle	no
78-93-3	2-Butanone	0.62	Not Detected	--	300	no
156-59-2	cis-1,2-Dichloroethene	0.17	Not Detected	--	10	no
67-66-3	Chloroform	0.30	Not Detected	--	6	no
75-55-6	1,1,1-Trichloroethane	0.23	Not Detected	--	30	no
56-23-5	Carbon Tetrachloride	0.47	Not Detected	--	2	no
71-43-2	Benzene	0.23	Not Detected	--	1	no
107-06-2	1,2-Dichloroethane	0.18	Not Detected	--	2	no
79-01-6	Trichloroethene	0.23	Not Detected	--	1	no
78-87-5	1, 2-Dichloropropane	0.40	Not Detected	--	1	no
75-27-4	Bromodichloromethane	0.55	Not Detected	--	1	no
110-75-8	2-Chloroethyl vinyl ether	0.65	Not Detected	--	nle	no
10061-01-5	cis-1,3-Dichloropropene	0.69	Not Detected	--	nle	no

Table 3
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETL NJDEP # 13461 Matrix: (soil/water) WATER
 Date Sampled: 12/3/98 Location: 1220 Lab Sample ID: 4107.01(Trip Blank)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
108-10-1	4-Methyl-2-Pentanone	0.59	Not Detected	--	400	no
108-88-3	Toluene	0.37	Not Detected	--	1000	no
10061-02-6	trans-1,3-Dichloropropene	0.87	Not Detected	--	nle	no
79-00-5	1,1,2-Trichloroethane	0.48	Not Detected	--	3	no
127-18-4	Tetrachloroethene	0.32	Not Detected	--	1	no
591-78-6	2-Hexanone	0.71	Not Detected	--	nle	no
126-48-1	Dibromochloromethane	0.86	Not Detected	--	10	no
108-90-7	Chlorobenzene	0.39	Not Detected	--	4	no
100-41-4	Ethylbenzene	0.65	Not Detected	--	700	no
1330-20-7	m+p-Xylenes	1.14	Not Detected	--	nle	no
1330-20-7	o-Xylene	0.62	Not Detected	--	nle	no
100-42-5	Styrene	0.56	Not Detected	--	100	no
75-25-2	Bromoform	0.70	Not Detected	--	4	no
79-34-5	1,1,2,2-Tetrachloroethane	0.47	Not Detected	--	2	no
541-73-1	1,3-Dichlorobenzene	0.55	Not Detected	--	600	no
106-46-7	1,4-Dichlorobenzene	0.57	Not Detected	--	75	no
95-50-1	1,2-Dichlorobenzene	0.64	Not Detected	--	600	no

Table 3
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETL NJDEP # 13461 Matrix: (soil/water) WATER
 Date Sampled: 12/03/98 Location: 1220 Lab Sample ID: 4107.02(Field Blank)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
107028	Acrolein	1.85	Not Detected	--	50	no
107131	Acrylonitrile	2.78	Not Detected	--	50	no
75650	tert-Butyl alcohol	8.52	Not Detected	--	nle	no
1634044	Methyl-tert-Butyl ether	0.16	Not Detected	--	nle	no
108203	Di-isopropyl ether	0.25	Not Detected	--	nle	no
	Dichlorodifluoromethane	1.68	Not Detected	--	nle	no
74-87-3	Chloromethane	1.16	Not Detected	--	30	no
75-01-4	Vinyl Chloride	1.06	Not Detected	--	5	no
74-83-9	Bromomethane	1.10	Not Detected	--	10	no
75-00-3	Chloroethane	1.01	Not Detected	--	nle	no
75-69-4	Trichlorofluoromethane	0.50	Not Detected	--	nle	no
75-35-4	1, 1-Dichloroethene	0.24	Not Detected	--	2	no
67-64-1	Acetone	1.36	Not Detected	--	700	no
75-15-0	Carbon Disulfide	0.46	Not Detected	--	nle	no
75-09-2	Methylene Chloride	0.24	Not Detected	--	2	no
156-60-5	trans-1,2-Dichloroethene	0.16	Not Detected	--	100	no
75-35-3	1,1-Dichloroethane	0.12	Not Detected	--	70	no
108-05-4	Vinyl Acetate	0.78	Not Detected	--	nle	no
78-93-3	2-Butanone	0.62	Not Detected	--	300	no
156-59-2	cis-1,2-Dichloroethene	0.17	Not Detected	--	10	no
67-66-3	Chloroform	0.30	Not Detected	--	6	no
75-55-6	1,1,1-Trichloroethane	0.23	Not Detected	--	30	no
56-23-5	Carbon Tetrachloride	0.47	Not Detected	--	2	no
71-43-2	Benzeze	0.23	Not Detected	--	1	no
107-06-2	1,2-Dichloroethane	0.18	Not Detected	--	2	no
79-01-6	Trichloroethene	0.23	Not Detected	--	1	no
78-87-5	1, 2-Dichloropropane	0.40	Not Detected	--	1	no
75-27-4	Bromodichloromethane	0.55	Not Detected	--	1	no
110-75-8	2-Chloroethyl vinyl ether	0.65	Not Detected	--	nle	no
10061-01-5	cis-1,3-Dichloropropene	0.69	Not Detected	--	nle	no

Table 3.
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETLNJDEP # 13461Matrix: (soil/water) WATERDate Sampled: 12/3/98Location: 1220Lab Sample ID: 4107.02(Field Blank)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
108-10-1	4-Methyl-2-Pentanone	0.59	Not Detected	—	400	no
108-88-3	Toluene	0.37	Not Detected	--	1000	no
10061-02-6	trans-1,3-Dichloropropene	0.87	Not Detected	--	nle	no
79-00-5	1,1,2-Trichloroethane	0.48	Not Detected	--	3	no
127-18-4	Tetrachloroethene	0.32	Not Detected	--	1	no
591-78-6	2-Hexanone	0.71	Not Detected	--	nle	no
126-48-1	Dibromochloromethane	0.86	Not Detected	--	10	no
108-90-7	Chlorobenzene	0.39	Not Detected	--	4	no
100-41-4	Ethylbenzene	0.65	Not Detected	--	700	no
1330-20-7	m+p-Xylenes	1.14	Not Detected	--	nle	no
1330-20-7	o-Xylene	0.62	Not Detected	--	nle	no
100-42-5	Styrene	0.56	Not Detected	--	100	no
75-25-2	Bromoform	0.70	Not Detected	--	4	no
79-34-5	1,1,2,2-Tetrachloroethane	0.47	Not Detected	--	2	no
541-73-1	1,3-Dichlorobenzene	0.55	Not Detected	--	600	no
106-46-7	1,4-Dichlorobenzene	0.57	Not Detected	--	75	no
95-50-1	1,2-Dichlorobenzene	0.64	Not Detected	--	600	no

Table 3
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETLNJDEP # 13461Matrix: (soil/water) WATERDate Sampled: 12/3/98Location: 1220Lab Sample ID: 4107.05(Bldg 1220)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
107028	Acrolein	1.85	Not Detected	--	50	no
107131	Acrylonitrile	2.78	Not Detected	--	50	no
75650	tert-Butyl alcohol	8.52	Not Detected	--	nle	no
1634044	Methyl-tert-Butyl ether	0.16	Not Detected	--	nle	no
108203	Di-isopropyl ether	0.25	Not Detected	--	nle	no
	Dichlorodifluoromethane	1.68	Not Detected	--	nle	no
74-87-3	Chloromethane	1.16	Not Detected	--	30	no
75-01-4	Vinyl Chloride	1.06	Not Detected	--	5	no
74-83-9	Bromomethane	1.10	Not Detected	--	10	no
75-00-3	Chloroethane	1.01	Not Detected	--	nle	no
75-69-4	Trichlorofluoromethane	0.50	39.87	--	nle	no
75-35-4	1, 1-Dichloroethene	0.24	Not Detected	--	2	no
67-64-1	Acetone	1.36	Not Detected	--	700	no
75-15-0	Carbon Disulfide	0.46	Not Detected	--	nle	no
75-09-2	Methylene Chloride	0.24	Not Detected	--	2	no
156-60-5	trans-1,2-Dichloroethene	0.16	Not Detected	--	100	no
75-35-3	1,1-Dichloroethane	0.12	Not Detected	--	70	no
108-05-4	Vinyl Acetate	0.78	Not Detected	--	nle	no
78-93-3	2-Butanone	0.62	Not Detected	--	300	no
156-59-2	cis-1,2-Dichloroethene	0.17	Not Detected	--	10	no
67-66-3	Chloroform	0.30	Not Detected	--	6	no
75-55-6	1,1,1-Trichloroethane	0.23	Not Detected	--	30	no
56-23-5	Carbon Tetrachloride	0.47	Not Detected	--	2	no
71-43-2	Benzeze	0.23	Not Detected	--	1	no
107-06-2	1,2-Dichloroethane	0.18	Not Detected	--	2	no
79-01-6	Trichloroethene	0.23	Not Detected	--	1	no
78-87-5	1, 2-Dichloropropane	0.40	Not Detected	--	1	no
75-27-4	Bromodichloromethane	0.55	Not Detected	--	1	no
110-75-8	2-Chloroethyl vinyl ether	0.65	Not Detected	--	nle	no
10061-01-5	cis-1,3-Dichloropropene	0.69	Not Detected	--	nle	no

Table 3
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETLNJDEP # 13461Matrix: (soil/water) WATERDate Sampled: 12/3/98Location: 1220Lab Sample ID: 4107.05(Bldg 1220)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
108-10-1	4-Methyl-2-Pentanone	0.59	Not Detected	--	400	no
108-88-3	Toluene	0.37	Not Detected	--	1000	no
10061-02-6	trans-1,3-Dichloropropene	0.87	Not Detected	--	nle	no
79-00-5	1,1,2-Trichloroethane	0.48	Not Detected	--	3	no
127-18-4	Tetrachloroethene	0.32	Not Detected	--	1	no
591-78-6	2-Hexanone	0.71	Not Detected	--	nle	no
126-48-1	Dibromochloromethane	0.86	Not Detected	--	10	no
108-90-7	Chlorobenzene	0.39	Not Detected	--	4	no
100-41-4	Ethylbenzene	0.65	Not Detected	--	700	no
1330-20-7	m+p-Xylenes	1.14	Not Detected	--	nle	no
1330-20-7	o-Xylene	0.62	Not Detected	--	nle	no
100-42-5	Styrene	0.56	Not Detected	--	100	no
75-25-2	Bromoform	0.70	Not Detected	--	4	no
79-34-5	1,1,2,2-Tetrachloroethane	0.47	Not Detected	--	2	no
541-73-1	1,3-Dichlorobenzene	0.55	Not Detected	--	600	no
106-46-7	1,4-Dichlorobenzene	0.57	Not Detected	--	75	no
95-50-1	1,2-Dichlorobenzene	0.64	Not Detected	--	600	no

Table 3
SEMI-VOLATILE ANALYSIS DATA SHEET

Lab Name: FMETLNJDEP # 13461Matrix: (soil/water) WATERDate Sampled: 12/3/98Location: 1220Lab Sample ID: 4107.02(Field Blank)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
110-86-1	Pyridine	5.00	Not Detected	--	nle	no
62-75-9	N-nitroso-dimethylamine	0.94	Not Detected	--	20	no
62-53-3	Aniline	0.15	Not Detected	--	nle	no
111-44-4	bis(2-Chloroethyl)ether	0.48	Not Detected	--	10	no
541-73-1	1,3-Dichlorobenzene	0.33	Not Detected	--	600	no
106-46-7	1,4-Dichlorobenzene	0.23	Not Detected	--	75	no
100-51-6	Benzyl alcohol	0.18	Not Detected	--	nle	no
95-50-1	1,2-Dichlorobenzene	0.16	Not Detected	--	600	no
108-60-1	bis(2-chloroisopropyl)ether	0.61	Not Detected	--	300	no
621-64-7	n-Nitroso-di-n-propylamine	0.18	Not Detected	--	20	no
67-72-1	Hexachloroethane	0.33	Not Detected	--	10	no
98-95-3	Nitrobenzene	0.46	Not Detected	--	10	no
78-59-1	Isophorone	0.35	Not Detected	--	100	no
111-91-1	bis(2-Chloroethoxy)methane	0.46	Not Detected	--	nle	no
120-82-1	1,2,4-Trichlorobenzene	0.25	Not Detected	--	9	no
91-20-3	Naphthalene	0.25	Not Detected	--	nle	no
106-47-8	4-Chloroaniline	0.19	Not Detected	--	nle	no
87-68-3	Hexachlorobutadiene	0.38	Not Detected	--	1	no
91-57-6	2-Methylnaphthalene	0.16	Not Detected	--	nle	no
77-47-4	Hexachlorocyclopentadiene	1.50	Not Detected	--	50	no
91-58-7	2-Chloronaphthalene	0.32	Not Detected	--	nle	no
88-74-4	2-Nitroaniline	0.21	Not Detected	--	nle	no
131-11-3	Dimethylphthalate	0.18	Not Detected	--	7000	no
208-96-8	Acenaphthylene	0.19	Not Detected	--	nle	no

Table 3
SEMI-VOLATILE ANALYSIS DATA SHEET

Lab Name: FMETLNJDEP # 13461Matrix: (soil/water) WATERDate Sampled: 12/3/98Location: 1220Lab Sample ID: 4107.02(Field Blank)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
606-20-2	2,6-Dinitrotoluene	0.31	Not Detected	--	nle	no
99-09-2	3-Nitroaniline	0.26	Not Detected	--	nle	no
83-32-9	Acenaphthene	0.26	Not Detected	--	400	no
132-64-9	Dibenzofuran	0.32	Not Detected	--	nle	no
121-14-2	2,4-Dinitrotoluene	0.36	Not Detected	--	10	no
84-66-2	Diethylphthalate	0.82	Not Detected	--	5000	no
86-73-7	Fluorene	0.29	Not Detected	--	300	no
7005-72-3	4-Chlorophenyl-phenylether	0.31	Not Detected	--	nle	no
100-01-6	4-Nitroaniline	0.90	Not Detected	--	nle	no
86-30-6	n-Nitrosodiphenylamine	0.23	Not Detected	--	20	no
103-33-3	Azobenzene	0.80	Not Detected	--	nle	no
101-55-3	4-Bromophenyl-phenylether	0.55	Not Detected	--	nle	no
118-74-1	Hexachlorobenzene	0.82	Not Detected	--	10	no
85-01-8	Phenanthrene	0.18	Not Detected	--	nle	no
120-12-7	Anthracene	0.19	Not Detected	--	2000	no
84-74-2	Di-n-butylphthalate	0.23	Not Detected	--	900	no
206-44-0	Fluoranthene	0.41	Not Detected	--	300	no
92-87-5	Benzidine	1.45	Not Detected	--	50	no
129-00-0	Pyrene	0.32	Not Detected	--	200	no
85-68-7	Butylbenzylphthalate	0.47	Not Detected	--	100	no
56-55-3	Benzo[a]anthracene	0.22	Not Detected	--	10	no
91-94-1	3,3'-Dichlorobenzidine	0.46	Not Detected	--	60	no
218-01-9	Chrysene	0.20	Not Detected	--	20	no
117-81-7	bis(2-Ethylhexyl)phthalate	0.51	1.89	--	30	no
117-84-0	Di-n-octylphthalate	0.82	Not Detected	--	100	no
205-99-2	Benzo[b]fluoranthene	0.37	Not Detected	--	10	no
207-08-9	Benzo[k]fluoranthene	0.32	Not Detected	--	2	no
50-32-8	Benzo[a]pyrene	0.31	Not Detected	--	20	no
193-39-5	Indeno[1,2,3-cd]pyrene	0.79	Not Detected	--	20	no
53-70-3	Dibenz[a,h]anthracene	0.28	Not Detected	--	20	no
191-24-2	Benzo[g,h,i]perylene	0.40	Not Detected	--	nle	no

Table 3
SEMI-VOLATILE ANALYSIS DATA SHEET

Lab Name: FMETLNJDEP # 13461Matrix: (soil/water) WATERDate Sampled: 12/3/98Location: 1220Lab Sample ID: 4107.04(Bldg 1220)

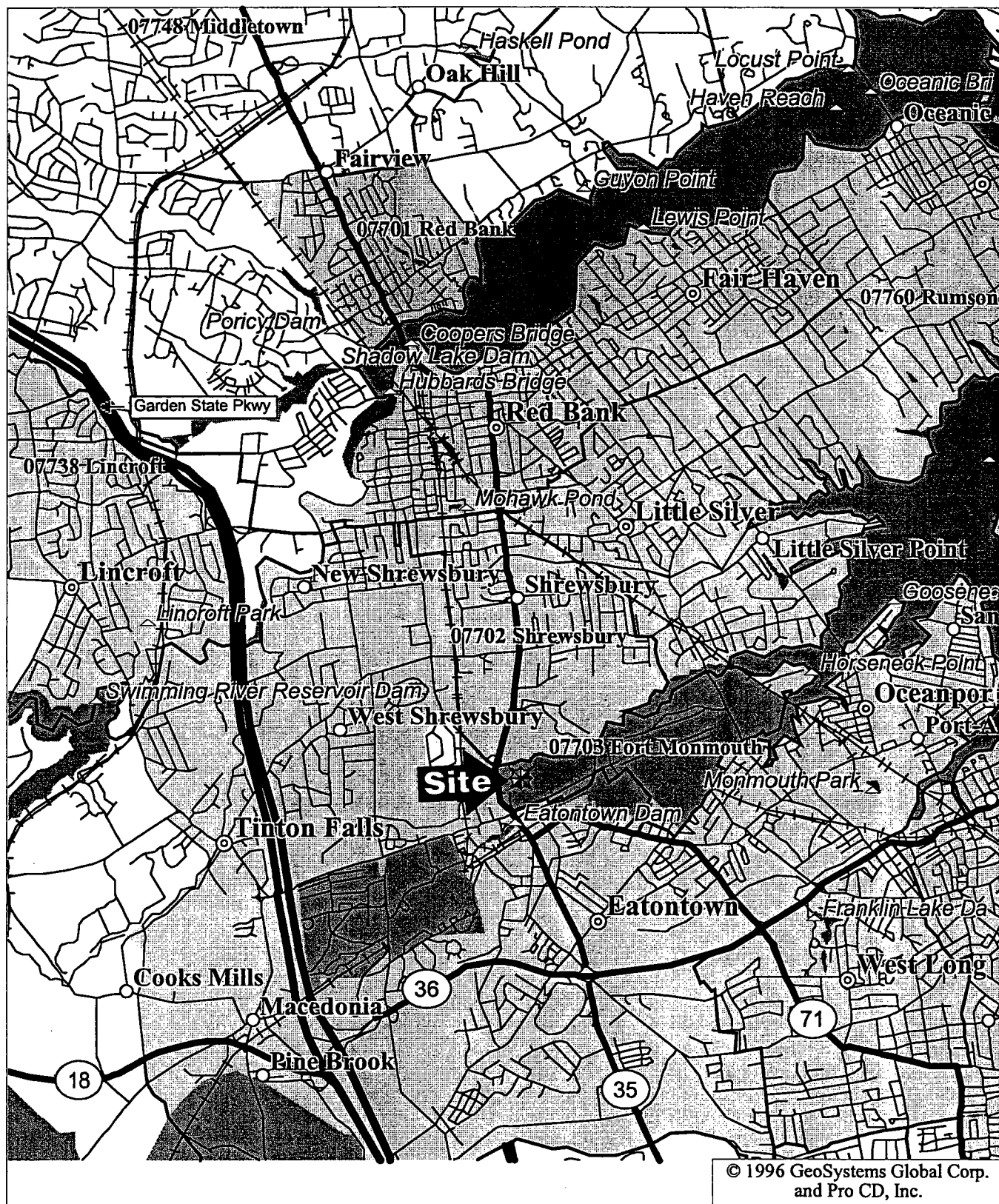
CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
110-86-1	Pyridine	5.00	Not Detected	--	nle	no
62-75-9	N-nitroso-dimethylamine	0.94	Not Detected	--	20	no
62-53-3	Aniline	0.15	Not Detected	--	nle	no
111-44-4	bis(2-Chloroethyl)ether	0.48	Not Detected	--	10	no
541-73-1	1,3-Dichlorobenzene	0.33	Not Detected	--	600	no
106-46-7	1,4-Dichlorobenzene	0.23	Not Detected	--	75	no
100-51-6	Benzyl alcohol	0.18	Not Detected	--	nle	no
95-50-1	1,2-Dichlorobenzene	0.16	Not Detected	--	600	no
108-60-1	bis(2-chloroisopropyl)ether	0.61	Not Detected	--	300	no
621-64-7	n-Nitroso-di-n-propylamine	0.18	Not Detected	--	20	no
67-72-1	Hexachloroethane	0.33	Not Detected	--	10	no
98-95-3	Nitrobenzene	0.46	Not Detected	--	10	no
78-59-1	Isophorone	0.35	Not Detected	--	100	no
111-91-1	bis(2-Chloroethoxy)methane	0.46	Not Detected	--	nle	no
120-82-1	1,2,4-Trichlorobenzene	0.25	Not Detected	--	9	no
91-20-3	Naphthalene	0.25	Not Detected	--	nle	no
106-47-8	4-Chloroaniline	0.19	Not Detected	--	nle	no
87-68-3	Hexachlorobutadiene	0.38	Not Detected	--	1	no
91-57-6	2-Methylnaphthalene	0.16	Not Detected	--	nle	no
77-47-4	Hexachlorocyclopentadiene	1.50	Not Detected	--	50	no
91-58-7	2-Chloronaphthalene	0.32	Not Detected	--	nle	no
88-74-4	2-Nitroaniline	0.21	Not Detected	--	nle	no
131-11-3	Dimethylphthalate	0.18	1.81	--	7000	no
208-96-8	Acenaphthylene	0.19	Not Detected	--	nle	no

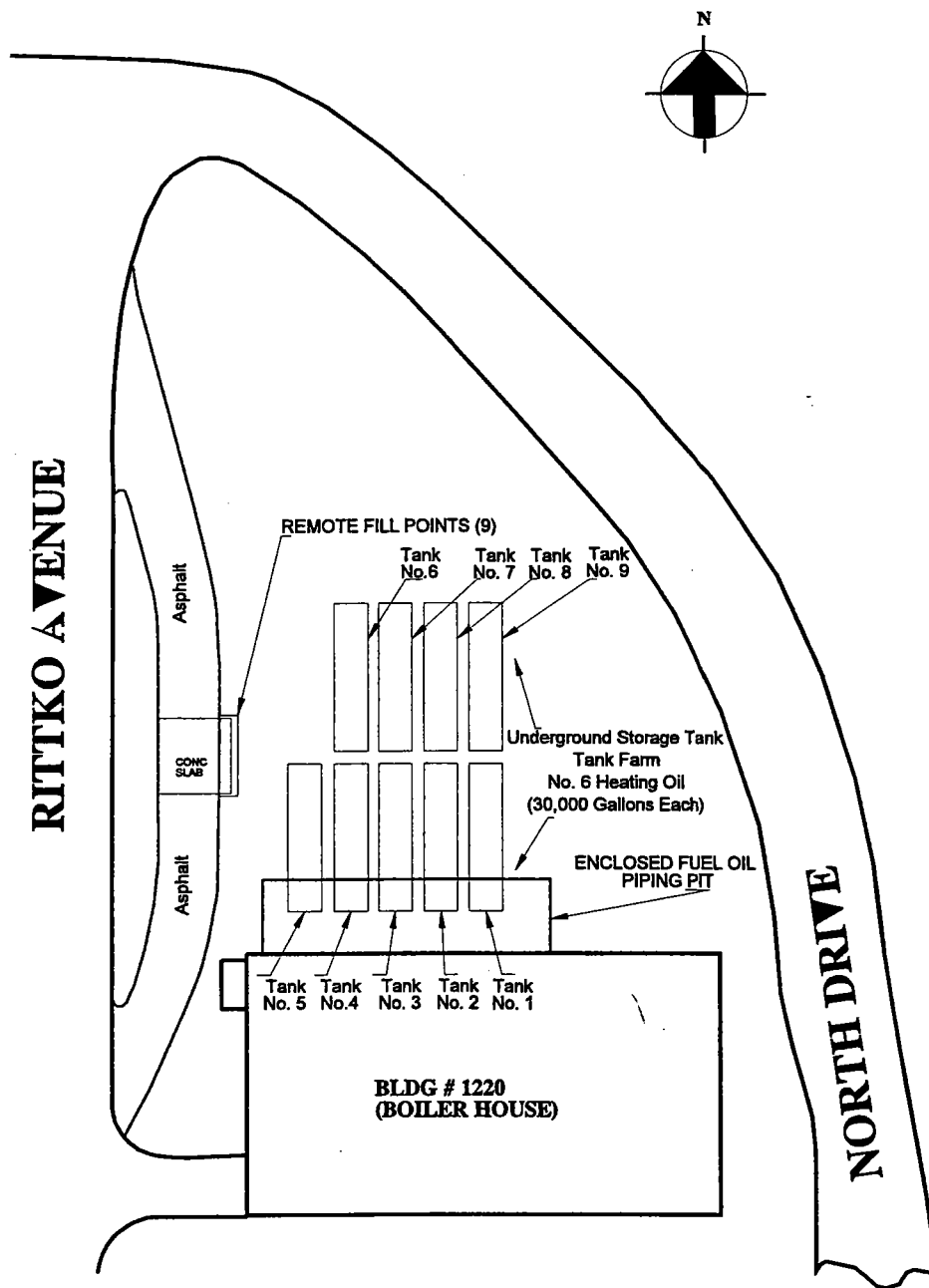
Table 3
SEMI-VOLATILE ANALYSIS DATA SHEET

Lab Name: FMETLNJDEP # 13461Matrix: (soil/water) WATERDate Sampled: 12/3/98Location: 1220Lab Sample ID: 4107.04(Bldg 1220)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
606-20-2	2,6-Dinitrotoluene	0.31	Not Detected	--	nle	no
99-09-2	3-Nitroaniline	0.26	Not Detected	--	nle	no
83-32-9	Acenaphthene	0.26	Not Detected	--	400	no
132-64-9	Dibenzofuran	0.32	Not Detected	--	nle	no
121-14-2	2,4-Dinitrotoluene	0.36	Not Detected	--	10	no
84-66-2	Diethylphthalate	0.82	Not Detected	--	5000	no
86-73-7	Fluorene	0.29	Not Detected	--	300	no
7005-72-3	4-Chlorophenyl-phenylether	0.31	Not Detected	--	nle	no
100-01-6	4-Nitroaniline	0.90	Not Detected	--	nle	no
86-30-6	n-Nitrosodiphenylamine	0.23	Not Detected	--	20	no
103-33-3	Azobenzene	0.80	Not Detected	--	nle	no
101-55-3	4-Bromophenyl-phenylether	0.55	Not Detected	--	nle	no
118-74-1	Hexachlorobenzene	0.82	Not Detected	--	10	no
85-01-8	Phenanthrene	0.18	Not Detected	--	nle	no
120-12-7	Anthracene	0.19	Not Detected	--	2000	no
84-74-2	Di-n-butylphthalate	0.23	Not Detected	--	900	no
206-44-0	Fluoranthene	0.41	Not Detected	--	300	no
92-87-5	Benzidine	1.45	Not Detected	--	50	no
129-00-0	Pyrene	0.32	Not Detected	--	200	no
85-68-7	Butylbenzylphthalate	0.47	Not Detected	--	100	no
56-55-3	Benzo[a]anthracene	0.22	Not Detected	--	10	no
91-94-1	3,3'-Dichlorobenzidine	0.46	Not Detected	--	60	no
218-01-9	Chrysene	0.20	Not Detected	--	20	no
117-81-7	bis(2-Ethylhexyl)phthalate	0.51	Not Detected	--	30	no
117-84-0	Di-n-octylphthalate	0.82	Not Detected	--	100	no
205-99-2	Benzo[b]fluoranthene	0.37	Not Detected	--	10	no
207-08-9	Benzo[k]fluoranthene	0.32	Not Detected	--	2	no
50-32-8	Benzo[a]pyrene	0.31	Not Detected	--	20	no
193-39-5	Indeno[1,2,3-cd]pyrene	0.79	Not Detected	--	20	no
53-70-3	Dibenz[a,h]anthracene	0.28	Not Detected	--	20	no
191-24-2	Benzo[g,h,i]perylene	0.40	Not Detected	--	nle	no

FIGURE 1. SITE LOCATION MAP





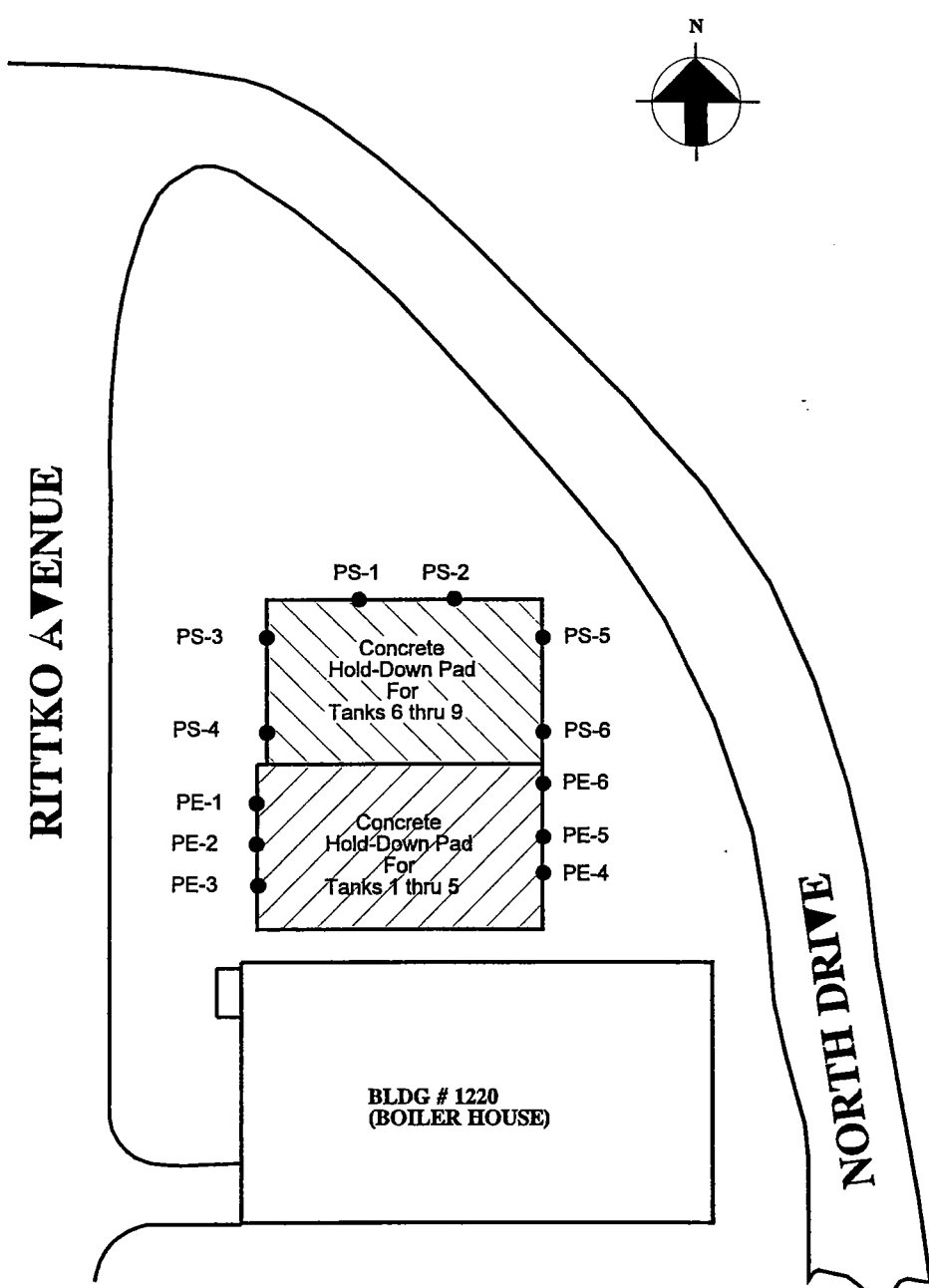
ENVIRONMENTAL CONTROL TECHNOLOGIES, INC.
1110 Devon Court
Mahwah, New Jersey 07430

U.S. Army, Fort Monmouth
Fort Monmouth, New Jersey 07703
Building 1220
Site Plan

Scale: 1" = 60 Ft.

June 22, 1998

Figure 2



ENVIRONMENTAL CONTROL TECHNOLOGIES, INC.
1110 Devon Court
Mahwah, New Jersey 07430

U.S. Army, Fort Monmouth
Fort Monmouth, New Jersey 07703
Building 1220

Site Plan - Location of Soil Sampling Points

Scale: 1" = 60 Ft.

June 22, 1998

Figure 3

APPENDIX B

**SITE ASSESSMENT SUMMARY/
NJDEP STANDARD REPORTING FORM**

Site Remediation Program

UST Site/Remedial Investigation Report Certification Form

A. Facility Name : U.S. Army Fort Monmouth New JerseyFacility Street Address : Directorate of Public Works Building 173Municipality: Oceanport County : MonmouthBlock: _____ Lot(s): _____ Telephone Number : 732-532-6224

B. Owner (RP)'s Name: _____

Street Address: _____ City : _____

State: _____ Zip: _____ Telephone Number : _____

C. (Check as appropriate)

☐ Site Investigation

Report (SIR) \$500 Fee

☐ Remedial Investigation

Report (RIR) \$1000 Fee

☒ NA - Federal Agreement

D. (Complete all that apply)

• Assigned Case Manager : Ian Curtis, Federal Case Manager• UST Registration Number : 81533-175 thru 183 (7 digits)• Incident Report Number 97 - 12 - 31 - 1154 - 44 (10 or 12 digits)• Tank Closure Number : Federal Case Manager

E. Certification by the Subsurface Evaluator:

The attached report conforms to the specific reporting requirements of N.J.A.C. 7:26EYes No

Name: Harry H. Elias Signature: _____ UST Cert. No.: _____Firm: Environmental Control Technologies Firm's UST Cert. Number: _____Firm Address: 1110 Devon Ct. City: MahwahState: NJ Zip: 07430 Telephone Number : 201-236-8448

(NOTE: Certification numbers required only if work was conducted on USTs regulated per N.J.S.A. 58:10A-21 et seq.)

F. Certification by the Responsible Party(ies) of the Facility:

The following certification shall be signed [according to the requirements of N.J.A.C. 7:14B-1.7(b)] as follows:

1. For a Corporation by a person authorized by a resolution of the board of directors to sign the document. A copy of the resolution, certified as a true copy by the secretary of the corporation, shall be submitted along with the certification; or
2. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
3. For a municipality, State, federal or other public agency by either a principal executive officer or ranking elected Official.

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attached documents, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate, or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties."

Name (Print or Type): James Ott Title: Directorate of Public Works

Signature: _____

Company Name: U.S. Army Fort Monmouth Date: 9/4/00

9. Total regulated underground storage tank capacity at facility (gallons) **270000**

10. Facility Type: A ☐ State B ☐ Commercial/Industrial C ☒ County/Municipal Federal E ☐ Charitable / Public School Residence F ☐ Other G ☐ Farm (as defined in N.J.S. 54:4-23.1 et seq.) H ☐

11. Is a copy of the facility site plan submitted with this registration pursuant to N.J.A.C. 7:14B-27 ☐ YES ☒ NO

SECTION B - SPECIFIC TANK INFORMATION

ALL underground tanks, including those taken out of operation (UNLESS THE TANK WAS REMOVED FROM THE GROUND PRIOR TO 9/3/86) must be registered. Report all tank/piping status changes unless previously submitted.

1. Tank Identification Number	TANK NO. 175	TANK NO. 176	TANK NO. 177	TANK NO. 178	TANK NO. 179
2. CAS Number (hazardous substances only)					
3. Date Tank Installed (Month/Day/Year)	Mo. Day Year	Mo. Day Year	Mo. Day Year	Mo. Day Year	Mo. Day Year
4. Tank Size (gallons)	30000	30000	30000	30000	30000
5. Tank Contents (Mark one "X" for each tank)					
A. Leaded gasoline					
B. Unleaded gasoline					
C. Alcohol enriched gasoline					
D. Light diesel fuel (No. 1-D)					
E. Medium diesel fuel (No. 2-D)					
F. Waste Oil					
G. Kerosene (No. 1)					
H. Home heating oil (No. 2)					
J. Heating oil (No. 4)					
K. Heavy heating oil (No. 6)	X	X	X	X	X
L. Aviation fuel					
M. Motor oil					
N. Lubricating oil					
P. Sewage					
Q. Sewage sludge					
R. Other hazardous substances (specify)					
S. Hazardous waste (specify ID number)					
T. Mixtures (please specify)					
U. Emergency spill tank (specify substance)					
V. Other petroleum products (please specify)					
W. Other (please specify)					
6. Tank & Piping Construction (Mark one each for both tank & piping)	Tank Piping	Tank Piping	Tank Piping	Tank Piping	Tank Piping
A. Bare Steel	X X	X X	X X	X X	X X
B. Cathodically protected steel					
C. Fiberglass-coated steel					
D. Fiberglass-reinforced plastic					
E. Internally lined					
F. Other (please specify)					
7. Tank & Piping Structure (Mark one each for both tank & piping)	Tank Piping	Tank Piping	Tank Piping	Tank Piping	Tank Piping
A. Single wall	X X	X X	X X	X X	X X
B. Double wall					
C. Other (please specify)					
8. Type of Monitoring/Detection System (Mark all that apply for both tank & piping)	Tank Piping	Tank Piping	Tank Piping	Tank Piping	Tank Piping
A. Statistical Inventory Reconciliation					
B. Manual Tank Gauging					
C. Inventory Control					
D. Interstitial					
E. Precision Test					
F. Ground water observation wells					
G. Vapor observation wells					
H. In-tank (automatic) monitoring gauge					
J. Periodic Tank Test					

Tank Identification Number	TANK NO. 1175	TANK NO. 1176	TANK NO. 1177	TANK NO. 1178	TANK NO. 1179
8. Type of Monitoring/Detection System K. None	Tank ☒ Piping ☒	Tank ☒ Piping ☒	Tank ☒ Piping ☒	Tank ☒ Piping ☒	Tank ☒ Piping ☒
L. Other (please specify)					
9. Overfill Protection (tank only) (Mark one X for each tank)					
A. Yes	☒	☒	☒	☒	☒
B. No					
10. Spill Containment Around Fill Pipe (Mark one X for each tank)					
A. Yes	☒	☒	☒	☒	☒
B. No					
11. Tank Status (Mark one X for each tank)	Tank Piping	Tank Piping	Tank Piping	Tank Piping	Tank Piping
A. In-use	☐	☐	☐	☐	☐
B. Empty less than 12 months	☐	☐	☐	☐	☐
C. Empty 12 months or more	☐	☐	☐	☐	☐
D. Emergency spill tank (sump)	☐	☐	☐	☐	☐
E. Emergency backup generator tank	☐	☐	☐	☐	☐
F. Abandoned in Place	☒	☒	☒	☒	☒
G. Removed	☒	☒	☒	☒	☒
H. Other (please specify)					
12. If box 11B, C, or D above has been marked, indicate the estimated date last used (month/day/year)	Mo. Day Year	Mo. Day Year	Mo. Day Year	Mo. Day Year	Mo. Day Year
13. Closure Information - Tank ID No.	TANK NO. 1175	TANK NO. 1176	TANK NO. 1177	TANK NO. 1178	TANK NO. 1179
A. Date abandoned in place	Mo. Day Year	Mo. Day Year	Mo. Day Year	Mo. Day Year	Mo. Day Year
B. Date taken temporarily out of service	Mo. Day Year	Mo. Day Year	Mo. Day Year	Mo. Day Year	Mo. Day Year
C. Date removed	01/23/1998	01/23/1998	01/23/1998	01/23/1998	01/23/1998
D. Date of Sale or Transfer	Mo. Day Year	Mo. Day Year	Mo. Day Year	Mo. Day Year	Mo. Day Year
E. TMS # (if applicable)	N/A	FEDERAL CASE MANAGEMENT			
F. ISRA # (if applicable)					

SECTION C - FINANCIAL RESPONSIBILITY

Does this facility have a Financial Responsibility Assurance Mechanism as required in 40 CFR 280? ☐ YES ☐ NO ☒ N/A
Please list the appropriate financial information below:

Type	Carrier / Issuing Agency
Effective Date	Expiration Date
Policy Number	Amount

SECTION D - MONITORING SYSTEMS

Does this facility have a release detection monitoring system which is in compliance with N.J.A.C. 7:14B-6? ☐ YES ☒ NO
If "No", please be aware that the facility must meet the appropriate deadline. (See "Dates to Know" on Page 4)

SECTION E - RECORDKEEPING/COMPLIANCE

Please answer all the questions in this section on a facility basis. Any one tank not in compliance requires a "NO" answer for the entire fac

- Does this facility have cathodic protection systems for all steel tanks and piping?
If "Yes", are the systems properly operated and maintained pursuant to N.J.A.C. 7:14B-5? ☐ YES ☒ NC
- Are the performance claims and documentation of monitoring systems maintained by the owner or operator pursuant to N.J.A.C. 7:14B-5? ☐ YES ☒ NC
- Are the proper monitoring, testing, sampling, repair and inventory records kept on-site pursuant to N.J.A.C. 7:14B-5 and 6? ☐ YES ☒ NC
- Is the proper Release Response Plan kept on-site pursuant to N.J.A.C. 7:14B-5? ☐ YES ☒ NC
- Does the facility have spill and over fill protection systems pursuant to N.J.A.C. 7:14B-4? ☐ YES ☒ NC
- Have all Fill Ports been permanently marked as per API #1637 pursuant to N.J.A.C. 7:14B-5? ☐ YES ☒ NC

Tank Identification Number	TANK NO. 180	TANK NO. 181	TANK NO. 182	TANK NO. 183	TANK NO.
8. Type of Monitoring/Detection System	Tank Piping	Tank Piping	Tank Piping	Tank Piping	Tank Piping
K. None	☒ ☒	☒ ☒	☒ ☒	☒ ☒	☐ ☐
L. Other (please specify)					
9. Overfill Protection (tank only) (Mark one X for each tank)					
A. Yes	☐	☐	☐	☐	☐
B. No	☒	☒	☒	☒	☐
10. Spill Containment Around Fill Pipe (Mark one X for each tank)					
A. Yes	☐	☐	☐	☐	☐
B. No	☒	☒	☒	☒	☐
11. Tank Status (Mark one X for each tank)	Tank Piping	Tank Piping	Tank Piping	Tank Piping	Tank Piping
A. In-use	☐ ☐	☐ ☐	☐ ☐	☐ ☐	☐ ☐
B. Empty less than 12 months	☐ ☐	☐ ☐	☐ ☐	☐ ☐	☐ ☐
C. Empty 12 months or more	☐ ☐	☐ ☐	☐ ☐	☐ ☐	☐ ☐
D. Emergency spill tank (sump)	☐ ☐	☐ ☐	☐ ☐	☐ ☐	☐ ☐
E. Emergency backup generator tank	☐ ☐	☐ ☐	☐ ☐	☐ ☐	☐ ☐
F. Abandoned in Place	☐ ☐	☐ ☐	☐ ☐	☐ ☐	☐ ☐
G. Removed	☒ ☒	☒ ☒	☒ ☒	☒ ☒	☐ ☐
H. Other (please specify)					
12. If box 11B, C, or D above has been marked, indicate the estimated date last used (month/day/year)	Mo. Day Year	Mo. Day Year	Mo. Day Year	Mo. Day Year	Mo. Day Year
13. Closure Information - Tank ID No.	TANK NO. 180	TANK NO. 181	TANK NO. 182	TANK NO. 183	TANK NO.
	Mo. Day Year	Mo. Day Year	Mo. Day Year	Mo. Day Year	Mo. Day Year
A. Date abandoned in place					
B. Date taken temporarily out of service					
C. Date removed	01/23/1998	01/23/1998	01/23/1998	01/23/1998	
D. Date of Sale or Transfer					
E. TMS # (if applicable)	N/A	FEDERAL CASE MANAGEMENT			
F. ISRA # (if applicable)					

SECTION C - FINANCIAL RESPONSIBILITY

Does this facility have a Financial Responsibility Assurance Mechanism as required in 40 CFR 280? ☐ YES ☐ NO ☒ N/A
Please list the appropriate financial information below:

Type	Carrier / Issuing Agency
Effective Date	Expiration Date
Policy Number	Amount

SECTION D - MONITORING SYSTEMS

Does this facility have a release detection monitoring system which is in compliance with N.J.A.C. 7:14B-6? ☐ YES ☒ NO
If "No", please be aware that the facility must meet the appropriate deadline. (See "Dates to Know" on Page 4)

SECTION E - RECORDKEEPING/COMPLIANCE

Please answer all the questions in this section on a facility basis. Any one tank not in compliance requires a "NO" answer for the entire facility.

- Does this facility have cathodic protection systems for all steel tanks and piping?
If "Yes", are the systems properly operated and maintained pursuant to N.J.A.C. 7:14B-6?
☐ YES ☒ NO
- Are the performance claims and documentation of monitoring systems maintained by the owner or operator pursuant to N.J.A.C. 7:14B-5?
☐ YES ☒ NO
- Are the proper monitoring, testing, sampling, repair and inventory records kept on-site pursuant to N.J.A.C. 7:14B-5 and 6?
☐ YES ☒ NO
- Is the proper Release Response Plan kept on-site pursuant to N.J.A.C. 7:14B-5?
☐ YES ☒ NO
- Does the facility have spill and over fill protection systems pursuant to N.J.A.C. 7:14B-4?
☐ YES ☒ NO
- Have all Fill Ports been permanently marked as per API #1637 pursuant to N.J.A.C. 7:14B-5?
☐ YES ☒ NO

IMPORTANT INFORMATION

FEE: Please make checks payable to: "Treasurer, State of New Jersey". Use of the enclosed return envelope will expedite processing. Registration and Billing Schedule can be found in N.J.A.C. 7:14B.
All Initial Registration fees are \$100 per facility.

PENALTY: Failure by owner or operator of a regulated underground storage tank to comply with any requirement of the State UST Act or regulations may result in the penalties set forth in N.J.S.A. 58:10A-10.

EMERGENCY: If a discharge or spill occurs, the NJDEP Hotline at (609) 292-7172 must be called IMMEDIATELY - 24 hours a day.

UPGRADE EXEMPTION: Residential heating oil underground storage tanks are exempt from all upgrade requirements.

DATES TO KNOW (critical deadlines)

December 22, 1988 — All new federally regulated tank systems must have cathodic protection and spill/overfill protection.
September 4, 1990 — All new State-only regulated tank systems must have cathodic protection and spill/overfill protection.
December 22, 1990 — All federally regulated piping must have begun leak detection.
February 19, 1993 — All federally regulated tank systems must maintain financial responsibility assurance.
December 22, 1993 — All federally regulated tank systems must have begun leak detection.
December 22, 1998 — All regulated tanks shall install cathodic protection and spill/overfill protection.

CERTIFICATIONS

NOTE: IF THE PERSON SIGNING CERTIFICATION NO. 2 IS THE SAME AS THE PERSON SIGNING CERTIFICATION NO. 1, THEN CERTIFICATION NO. 2 NEED NOT BE SIGNED. (If different persons are required to sign No. 1 and No. 2, then they must do so.)

CERTIFICATION NO. 1:

Must be signed by the highest ranking individual at the facility with overall responsibility

"I certify under penalty of law that the information provided in this document is true, accurate and complete to the best of my knowledge, information and belief. I am aware that there are significant civil and criminal penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties."

James Ott

(Typed / Printed Name)

Director, DPW

(Title)

(Signature)
3/12/98
(Date)

CERTIFICATION NO. 2:

Must be signed as follows:

- For a corporation, by a principal executive officer of at least the level of vice president
- For a partnership or sole proprietorship, by a general partner or the proprietor, respectively
- For a municipality, State, Federal or other public agency, by either a principal executive officer or ranking elected official
- For persons other than indicated above, by the person with legal responsibility for the site

"I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil and criminal penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties."

(Typed / Printed Name)

(Title)

(Signature)

(Date)

CERTIFICATION NO. 3:

If applicable, must be signed by the individual who is certified to perform services.

"I certify under penalty of law that the information provided in this document is true, accurate and complete to the best of my knowledge, information and belief. I am aware that there are significant civil and criminal penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties."

Harry H. Elias, P.E.

Operations Mgr.

(Typed / Printed Name)

(Title)

Environmental Control Technologies, Inc.

(Name of Firm, if applicable)

(Signature)
3/9/98
(Date)
0010510
(N.J. Certification Number)

71

Ln 2

8: 7

100

10

و : احبة

5: 2

مجلس

F. 1. 1.

۱۰۰

517

4000-0000

6: 3

¹ 2011 年 4 月。

4. 7

14.11.01

7: 3

Figure 4

7: 2

1000000

Figure 1

found

714

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

7

Learn

Fig. 3

Figure 1

7

Figure 1

632

$$\text{Date: } \underline{\hspace{2cm}}$$

571

1000

513

400-254

11

وہ

APPENDIX C

WASTE MANIFESTS

WASTE MANIFESTS



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS SUBSTANCES REGULATION

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039. Expires 9-30-96

Please print or type. Do not Staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. N J D 1 5 7 7 1 7 6 4 6 3 0 4 9 3		Manifest Document No. 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.	
3. Generator's Name and Mailing Address FUEL TANK MAINTENANCE SERVICE, INC. P.O. BOX 305 - RIDGEFIELD PARK, NJ 07660		4. Generator's Phone (201) 440-7672		5. Transporter 1 (Company Name) FUEL TANK MAINTENANCE SERVICE, INC.		6. US EPA ID Number N J D 1 5 7 7 1 7 6 4 6		7. Transporter 2 (Company Name)	
8. US EPA ID Number		9. Designated Facility Name and Site Address NEW YORK OIL RECOVERY, INC. 94 HAUSMAN STREET BROOKLYN, NEW YORK 11222		10. US EPA ID Number N Y D 9 8 1 1 4 1 8 7 2		11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) WASTE OIL (NOS) COMBUSTIBLE LIQUID NA 1270		12. Containers No. Type 0 0 1 T T X X 25 G	
13. Total Quantity		14. Unit Wt/Vol		15. Special Handling Instructions and Additional Information		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.		17. Transporter 1 (Acknowledgement of Receipt of Materials) Printed/Typed Name P. GREGORY FAHEY Signature <i>P. Gregory Fahey</i> Mo. Day Year 12/1/97	
18. Transporter 2 (Acknowledgement of Receipt of Materials) Printed/Typed Name Tom Czerepinski Signature <i>Tom Czerepinski</i> Mo. Day Year 12/1/97		19. Discrepancy Indication Space NON HAZARDOUS IN N.Y. STATE		20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19 Printed/Typed Name NY OIL Recovery Signature <i>[Signature]</i> Mo. Day Year 12/1/97		21. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19		22. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19	

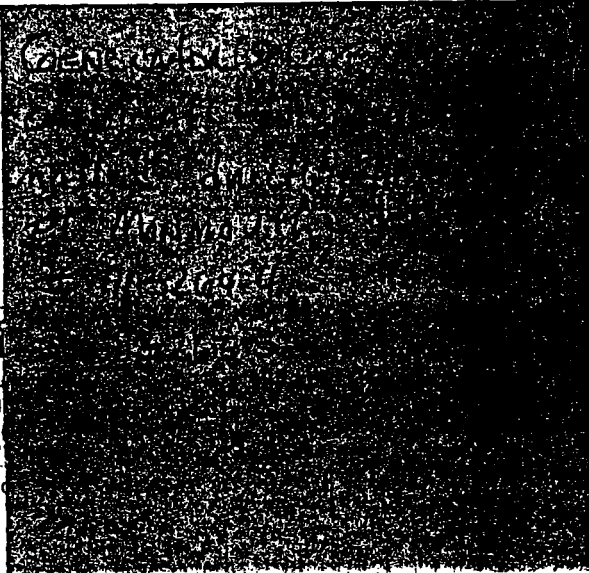
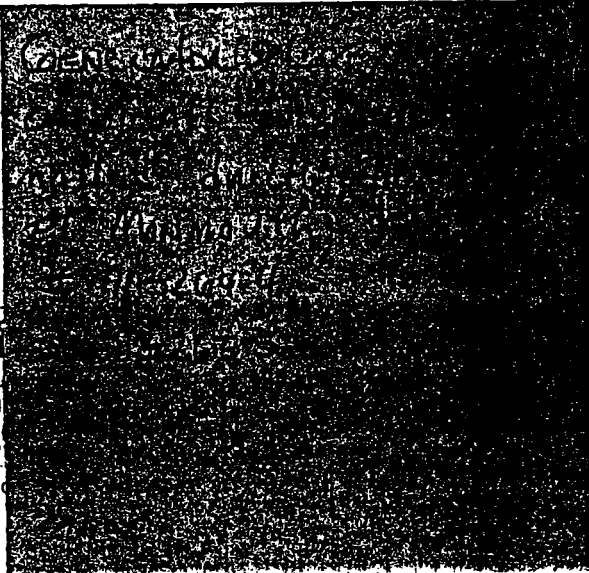
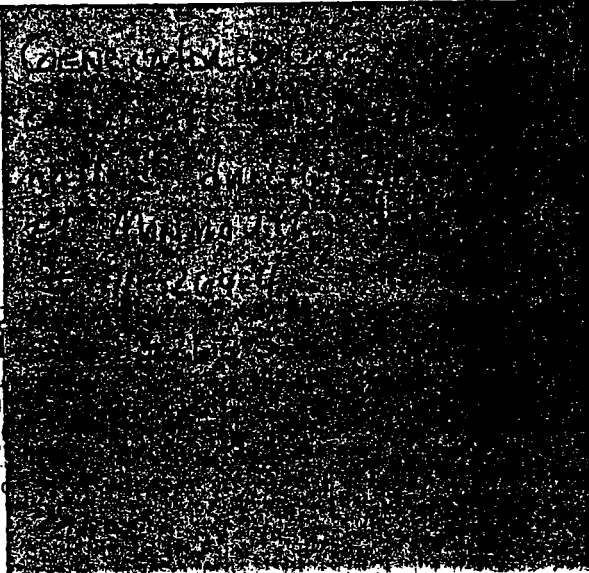
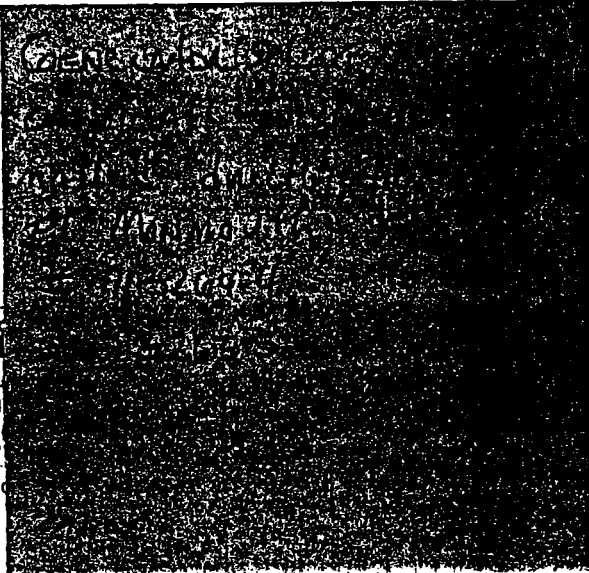
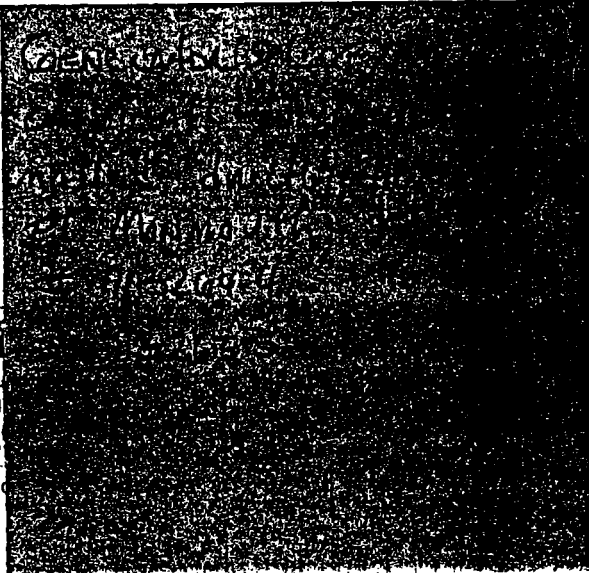
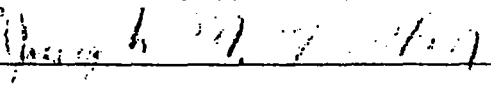
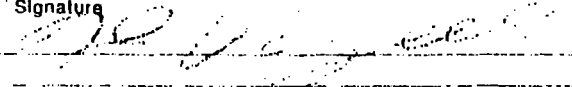
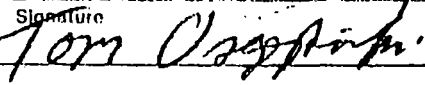
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS SUBSTANCES REGULATION

HAZARDOUS WASTE MANIFEST

Please print or type. Do not Staple.

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039. Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal Law.
3. Generator's Name and Mailing Address ATTN:SELF-M-PH-EV U.S. ARMY COMMUNICATION ELECTRONIC COMMAND/MAIN POST C70 Joseph Fallon, Bldg. 173, FT. MONMOUTH, NJ 07703		4. Generator's Phone 732 532 6223		A. State Manifest Document No. NY B713264 4	
5. Transporter 1 (Company Name) FUEL TANK MAINTENANCE SERVICE, INC.		6. US EPA ID Number N J D1 5 7 71 7 64		B. Generator's ID NAME	
7. Transporter 2 (Company Name)		8. US EPA ID Number		C. State Transporter's ID 38-248	
9. Designated Facility Name and Site Address NEW YORK OIL RECOVERY, INC. 94 HAUSHAN STREET BROOKLIN, NEW YORK 11227		10. US EPA ID Number N Y D9 8 11 4 18 7 2		D. Transporter's Phone (201) 440-7672	
				E. State Transporter's ID DEP-B71603	
				F. Transporter's Phone	
				G. State Facility's ID	
				H. Facility's Phone 718 399-3120	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers	13. Total Quantity	14. Unit	15. Waste No.
a. WASTE OIL (NOS) COMBUSTIBLE LIQUID NA 1270		No. Type	Quantity	WI/Vol	EPA
b. 		0 0 TT	1 8 98	Q	STATE
c. 					EPA
d. 					STATE
J. Additional Descriptions for LIQUID TANK		K. Handling Codes for Wastes Listed Above			
a. 		☐			
b. 		☐			
15. Special Handling Instructions		. SNJ 86775			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name JOSEPH FALLON		Signature 		Mo. Day Year 09/10/98	
17. Transporter 1 (Acknowledgement of Receipt of Materials)					
Printed/Typed Name Frank V...		Signature 		Mo. Day Year 10/11/98	
18. Transporter 2 (Acknowledgement of Receipt of Materials)					
Printed/Typed Name Tom Ozeopinski		Signature 		Mo. Day Year 01/01/99	
19. Discrepancy Indication Since NON HAZARDOUS IN N.Y. STATE					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name N.Y. Oil Recovery		Signature 		Mo. Day Year 01/01/99	

NON-HAZARDOUS WASTE MANIFEST

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

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NJ 3210020597		Manifest Document No. 001	2. Page 1 of 1
3. Generator's Name and Mailing Address U.S. Army Communications Electronics Command Main Post - c/o Joseph Fallon, Bldg. 173 ATTN: SELF-M-PW-EV, Fort Monmouth, NJ 07703 4. Generator's Phone: 732-532-6223					
5. Transporter 1 Company Name FUEL TANK MAINTENANCE SERVICE, INC.		6. US EPA ID Number NJ D157717646		A. State Transporter's ID JA 376	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (201) 440-7672	
9. Designated Facility Name and Site Address NEW YORK OIL RECOVERY, INC. 94 HAUSMAN STREET brooklyn, ny 11222		10. US EPA ID Number NYD981141872		C. State Transporter's ID	
				D. Transporter 2 Phone	
				E. State Facility's ID	
				F. Facility's Phone (718) 599-5120	
11. WASTE DESCRIPTION			Containers No. Type	13. Total Quantity	14. Unit Wt./Vol.
a. WASTE OIL (NOS) COMBUSTIBLE LIQUID NA 1270			001 TT	1793	G
b.					
c.					
d.					
F. Additional Descriptions for Materials Listed Above LIQUID TANK BOTTOMS			G. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information NJ DECAL NO. SNJ 86775					
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name JOSEPH FALLON		Signature <i>Joseph M. Fallon</i>		Date Month Day Year 01/10/98	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name Nick Gatto		Signature <i>Nick Gatto</i>		Date Month Day Year 1/19/98	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name Tom Oszczepinski		Signature <i>Tom Oszczepinski</i>		Date Month Day Year 1/10/98	
19. Discrepancy Indication Space					
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name N.Y. Oil Recovery		Signature <i>[Signature]</i>		Date Month Day Year 1/10/98	



NON-HAZARDOUS WASTE MANIFEST

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

NON-HAZARDOUS WASTE MANIFEST		1. Generator's USEPA ID No. NJ 3210020597		Manifest Document No. 002		2. Page 1 of 1	
3. Generator's Name and Mailing Address US ARMY COMMUNICATIONS ELECTRONICS COMMAND MAIN POST C/O JOSEPH FALLON, BLDG 173 ATTN: SELFM-PW-EV 4. Generator's Phone (732) 532-6223 FT. MONMOUTH NJ 07703							
5. Transporter 1 Company Name FUEL TANK MAINTENANCE SVC NJD 157717646				6. US EPA ID Number		A. State Transporter's ID JA 245	
7. Transporter 2 Company Name				8. US EPA ID Number		B. Transporter 1 Phone 201-440-7672	
9. Designated Facility Name and Site Address NEW YORK OIL RECOVERY INC 94 HAUSMAN ST BROOKLYN, NY 11222				10. US EPA ID Number NYD 981141872		C. State Transporter's ID DEPSIT003	
						D. Transporter 2 Phone	
						E. State Facility's ID	
						F. Facility's Phone 718-599-5120	
11. WASTE DESCRIPTION						Containers	
						No.	Type
a. WASTE OIL (NOS) COMBUSTIBLE LIQUID NA 1270						001	TT
b.							
c.							
d.							
F. Additional Descriptions for Materials Listed Above GROUND WATER CONTAMINATED WITH OIL. LIQUID TANK BOTTOMS						G. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information NJ DECAL NO. SNJ 86775							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name JOSEPH FALLON						Signature <i>Joseph M. Fallon</i>	
						Date Month Day Year 01/09/98	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name Tom Oszczepinski						Signature <i>Tom Oszczepinski</i>	
						Date Month Day Year 1/9/98	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name Nick Gatto						Signature <i>Nick Gatto</i>	
						Date Month Day Year 1/10/98	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name N.Y. OIL Recovery						Signature <i>[Signature]</i>	
						Date Month Day Year 1/10/98	



NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on site (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NJ 3210020597		Manifest Document No. 003		2. Page 1 of 5	
3. Generator's Name and Mailing Address US Army Communications Electronics Command Main Post c/o SGT FALLON, BLDG 173 ATTN: SLEPM-FW-EV Ft Monmouth, NJ 07703							
4. Generator's Phone (732) 532-622-3							
5. Transporter 1 Company Name FUEL TANK MAINTENANCE SVC, INC.		6. US EPA ID Number NJD157712646		A. State Transporter's ID JA 376			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone 201-440-7672			
9. Designated Facility Name and Site Address NEW YORK OIL RECOVERY INC. 94 HUDSON ST BRIDGE PLAZA, NY 11222		10. US EPA ID Number NYD981141872		C. State Transporter's ID			
				D. Transporter 2 Phone			
				E. State Facility's ID			
				F. Facility's Phone 718-599-5120			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No.	Type		
a. WASTE OIL (MOS) COMBUSTIBLE LIQUID NA 1270				001	TT	1080	9
b.							
c.							
d.							
F. Additional Descriptions for Materials Listed Above LIQUID TANK BOTTOMS				G. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information NJ DECAL No. SN5 86775							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name JOSEPH FALLON				Signature <i>Joseph M. Fallon</i>		Date Month Day Year 1/12/98	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Frank V. Ososzeprinski</i>		Date Month Day Year 1/12/98	
Printed/Typed Name FRANK V. OSOSZEPRINSKI				Signature <i>Frank V. Ososzeprinski</i>		Date Month Day Year 1/17/98	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature <i>N. C. Gatto</i>		Date Month Day Year 1/17/98	
Printed/Typed Name N. C. GATTO				Signature <i>N. C. Gatto</i>		Date Month Day Year 1/17/98	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name N.Y. Oil Recovery				Signature <i>[Signature]</i>		Date Month Day Year 01/17/98	



NON-HAZARDOUS WASTE MANIFEST

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

FTMS

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NJ 3210020597		Manifest Document No. 004		2. Page 1 of 1	
3. Generator's Name and Mailing Address US ARMY COMMUNICATIONS ELECTRONICS COMMAND MAIN POST - C/O JOSEPH BLDG. 113				4. Generator's Phone (B2) 532 6223 ATTN: SEYM-PW IN, FORT MONMOUTH NJ			
5. Transporter 1 Company Name FUEL TANK MAINTENANCE				6. US EPA ID Number NJ 15771764		7. State Transporter's ID JA 376	
7. Transporter 2 Company Name				8. US EPA ID Number		9. Transporter 1 Phone 201 440 9672	
9. Designated Facility Name and Site Address NEW YORK OIL RECOVERY INC 94 HOLLIS HWY BROOKLYN, NY 11222				10. US EPA ID Number NYD 98114187		11. State Facility's ID 718 599 5120	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. WASTE OIL (NOS) COMBUSTIBLE LIQUID				101 TT 1040		G	
b.							
c.							
d.							
F. Additional Descriptions for Materials Listed Above LIQUID TANK BOTTOMS				G. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information NJ DECAL NO. 3NJ 86775							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name JOSEPH FALLON				Signature Joseph M Fallon		Date 1/14/98	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name GEORGE ERDMAN				Signature George Erdman		Date 1/14/98	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name GEORGE ERDMAN				Signature George Erdman		Date 1/17/98	
19. Discrepancy Indication Space							
20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name N.Y. Oil Recovery				Signature [Signature]		Date 01/17/98	



NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on 8 1/2" (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NJ 3210020597		Manifest Document No. 005		2. Page 1 of 1	
3. Generator's Name and Mailing Address us ARMY COMMUNICATIONS ELECTRONICS COMMAND MAIN POST-c/o JOSEPH FALLON, Bldg. 173 ATTN: SELFM-PW-EV, Fort Monmouth, NJ 07703							
4. Generator's Phone (732) 532-6223		6. US EPA ID Number		A. State Transporter's ID JA 376			
FUEL TANK MAINTENANCE SERVICE, INC. NJD157717646				B. Transporter 1 Phone (201) 440-7672			
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID			
				D. Transporter 2 Phone			
9. Designated Facility Name and Site Address NEW YORK OIL RECOVERY, INC. 94 HAUSMAN STREET BROOKLYN, NY 11222		10. US EPA ID Number NYD981141872		E. State Facility's ID			
				F. Facility's Phone (718) 599-5120			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No.	Type		
a. WASTE OIL (NOS) COMBUSTIBLE LIQUID NA 1270				001	TT	145	G
b.							
c.							
d.							
F. Additional Descriptions for Materials Listed Above LIQUID TANK BOTTOMS				G. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information NJ DECAL No. SNJ86775							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name JOSEPH FALLON				Signature <i>Joseph Fallon</i>		Date 01/21/98	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name GEORGE ERDMAN		Signature <i>George Erdman</i>	
						Date 01/21/98	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name Tom Cseze pinski		Signature <i>Tom Cseze pinski</i>	
						Date 01/21/98	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name N.Y. OIL RECOVERY				Signature <i>[Signature]</i>		Date 01/22/98	



NON-HAZARDOUS WASTE MANIFEST

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

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NJ 3210020597		Manifest Document No. 006	2. Page 1 of 1
3. Generator's Name and Mailing Address ATTN: SELFM-PW-EV US ARMY COMMUNICATIONS ELECTRONICS COMMAND MAIN POST-c/o JOSEPH FALLON, Bldg. 173					
4. Generator's Phone (732) 532-6223 FORT MONMOUTH, NJ 07703					
5. Transporter 1 Company Name Fuel Tank Maintenance Service		6. US EPA ID Number NJD157717646		A. State Transporter's ID JA 376	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (201) 440-7672	
				C. State Transporter's ID	
				D. Transporter 2 Phone	
9. Designated Facility Name and Site Address NEW YORK OIL RECOVERY, INC. 94 HAUSMAN STREET BROOKLYN, NY 11222		10. US EPA ID Number NYD981141872		E. State Facility's ID	
				F. Facility's Phone (718) 599-5120	
11. WASTE DESCRIPTION			Containers		13. Total Quantity
			No.	Type	
a. WASTE OIL (NOS)combustible liquid na 1270			001	TT	280
b.					
c.					
d.					
F. Additional Descriptions for Materials Listed Above LIQUID TANK BOTTOMS			G. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information NJ Decal SNJ86775					
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name JOSEPH FALLON		Signature <i>Joseph M. Fallon</i>		Date 01/23/98	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name FRANK V OSIZEPINSKI		Signature <i>Frank V Osizepinski</i>		Date 1/23/98	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name George Erdman		Signature <i>George Erdman</i>		Date 1/24/98	
19. Discrepancy Indication Space					
20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in item 18.					
Printed/Typed Name N.Y. Oil Recovery		Signature <i>[Signature]</i>		Date 1/24/98	





State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421



* 2 1 9 9 8 9 6 *

Use type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NJ321002059712801		Manifest Document No. 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address U.S. Army Communications Electronics Command Main Post, c/o Joseph P. Dillon, Bldg 123 ATTN: SELF-M-PW-EV, Fort Monmouth, NJ 07703						A. State Manifest Document Number NJA 2199896				
4. Generator's Phone (908) 532-6233						B. State Generator's ID (Gen. 342 Address) Bldg 123, P.O. Box 5A				
5. Transporter 1 Company Name Maumee Express						C. State Trans. ID-NJDEPE 500 57				
6. US EPA ID Number NJD986607380						D. Transporter's Phone (808) 271-0500				
7. Transporter 2 Company Name						E. State Trans. ID-NJDEPE				
9. Designated Facility Name and Site Address LORCO RD1, P.O. Box 5A Old Bridge, NJ 08807						F. Transporter's Phone				
10. US EPA ID Number NJD084044604						G. State Facility's ID				
11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) HM						12. Containers No. Type		13. Total Quantity	14. Unit Wt/Vol	Waste No.
X WASTE Combustible Liquid, N.O.S., Combustible Liquid, NA1993, PH6 III						XX 1 77		X 38756	X 722	X
j. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above				
a.						a.				
b.						b.				
15. Special Handling Instructions and Additional Information * N.J. Special Waste License Pink T1852E						Bldg 1220 81533-175 - (1875 Gal) 81533-176 - (2,000 Gal)				
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.										
Printed/Typed Name Charles Appleby SELF-M-PW-EV						Signature <i>[Signature]</i>			Month Day Year 10/30/96	
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name Thomas P King			Signature <i>[Signature]</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name			Signature	
19. Discrepancy Indication Space										
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.										
Printed/Typed Name						Signature			Month Day Year	

557 file copy

NJA 2199896



State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421



* 2 1 1 7 4 5 7 *

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

Form Approved OMB No. 2050-0038 Expires 9-30-9

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address US ARMY COMMUNICATIONS ELECTRONICS COMMAND MAIN POST, C/O JOSEPH FAJON, BLDG 173 ATTN: SELF-PM-FV, Fort Monmouth, NJ 07703		4. Generator's Phone (908) 533-6203		6. US EPA ID Number NJ0186607380		
5. Transporter 1 Company Name MAUMEE EXPRESS		7. Transporter 2 Company Name		8. US EPA ID Number		
9. Designated Facility Name and Site Address LORCO RD1 P.O. BOX 5A OLD BRIDGE, NJ 08857		10. US EPA ID Number NJ0084444064				
11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) a. WASTE Combustible Liquid, N.O.S. X Combust. LIQUID, NA 1993, PHA III		12. Containers No. Type		13. Total Quantity	14. Unit Wt/Vol	
b.						
c.						
d.						
15. Special Handling Instructions and Additional Information * NJ STATE WASTE LORCO PHA # T187E						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name DINKER DESAI		Signature 		Month Day Year 11/19/96		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name DINKER DESAI		Signature 		Month Day Year 11/19/96		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						

In case of an emergency or spill immediately call the state the emergency occurred in and the N.J. Dept. of Environmental Protection and Energy. (609) 292-7172

**State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421**



* 2 1 7 9 7 0 0 *

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

Form Approved: OMB No. 2050-0039. Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MT3210020997132613		Manifest Document No. 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.											
3. Generator's Name and Mailing Address US ARMY COMMUNICATIONS ELECTRONICS COMMAND ATTN: 5th Signal Bn, Ft. Monmouth, NJ 07073																			
4. Generator's Company Name US ARMY COMMUNICATIONS ELECTRONICS COMMAND																			
5. Generator's Company Address ATTN: 5th Signal Bn, Ft. Monmouth, NJ 07073																			
6. US EPA ID Number MT3210020997132613																			
7. US EPA ID Number MT3210020997132613																			
8. US EPA ID Number MT3210020997132613																			
9. Receiver's Name and Site Address 13 ECG Rt. 1, PO Box 5 08054-0001																			
10. US EPA ID Number MT3210020997132613																			
11. US DOT Description (including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) WMK Combustible Liquid, N.C.S. X Combustible Liquid, NA 1993 PHB III																			
12. Containers																			
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Type</th> <th>13. Total Quantity</th> <th>14. Unit Wt/Vol</th> <th>15. Remarks</th> </tr> </thead> <tbody> <tr> <td align="center">1</td> <td align="center">77</td> <td align="center">12150</td> <td align="center">G</td> <td align="center">X-720</td> </tr> </tbody> </table>										No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Remarks	1	77	12150	G	X-720
No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Remarks															
1	77	12150	G	X-720															
16. Special Handling Instructions and Additional Information 10 Spent Wash UST# 51353-1A Bordaux 1070 11353 10156																			
17. Generator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are packaged, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.																			
18. I, the generator, certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the least hazardous method that is available to me and that I can afford.																			
Signature [Signature]					Month Day Year 1/1/05														
Signature [Signature]					Month Day Year 1/1/05														
Signature [Signature]					Month Day Year 1/1/05														
NOTE: This manifest is to be used for the transportation of hazardous materials covered by this manifest except as noted in item 18.																			
Signature [Signature]					Month Day Year 1/1/05														

APPENDIX D

UST DISPOSAL CERTIFICATES

APPENDIX E

CONTAMINATED SOIL WEIGH TICKETS

123 tons

935 AM

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
67,170		Lbs. GROSS	
32,160		Lbs. TARE	
* 35,010		Lbs. NET	
VEHICLE IDENTIFICATION # 510 (NJ)		B/L NUMBER	COMMODITY Soil
NAME OF SHIPPER FT. MONMOUTH - DPW - ENVIRO		NAME OF CARRIER QUEHE	
REMARKS		DRIVER SIGNATURE x [Signature] [Stamp]	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE 21 JAN. DEC. 98		WEIGHMASTER Kearney Victor	

950 AM

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
46,600		Lbs. GROSS	
27,500		Lbs. TARE	
* 19,100		Lbs. NET	
VEHICLE IDENTIFICATION # 007		B/L NUMBER	COMMODITY Soil
NAME OF SHIPPER FT. MONMOUTH - DPW - ENVIRN		NAME OF CARRIER QUEUE	
REMARKS		DRIVER SIGNATURE * [Signature] No. 27044 ☐ DRIVER ON ☒ DRIVER OFF	
DATE 21 JAN 98		WEIGHMASTER Kenna Ueta	

DDJ-8 Form 1971 - August 1988

USAGPM 2715-88

1025 AM

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
61,060		Lbs. GROSS	
32,160		Lbs. TARE	
* 28,900		Lbs. NET	
VEHICLE IDENTIFICATION # 510 (NJ)		B/L NUMBER	COMMODITY Soil
NAME OF SHIPPER FT. MONMOUTH - DPW - ENVIRN		NAME OF CARRIER QUEUE	
REMARKS		DRIVER SIGNATURE M7 [Signature] No. 27044 ☐ DRIVER ON ☒ DRIVER OFF	
DATE 21 JAN 98		WEIGHMASTER Kenna Ueta	

DDJ-8 Form 1971 - August 1988

USAGPM 2715-88

1120 AM

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
51,630		Lbs. GROSS	
27,500		Lbs. TARE	
* 24,130		Lbs. NET	
VEHICLE IDENTIFICATION	B/L NUMBER	COMMODITY	
# 017		Soil	
NAME OF SHIPPER		NAME OF CARRIER	
FT. Monmouth - DPW - ENVIRO		QUEHE	
REMARKS		DRIVER SIGNATURE	
		☐ DRIVER ON ☒ DRIVER OFF No. 27044	
DATE		WEIGHMASTER	
21 JAN 98		Kevin Victor	

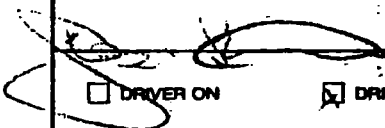
SELH Form 1671 - August 1988

USAGFM 2715-88

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
60,860		Lbs. GROSS	
32,300		Lbs. TARE	
* 28,560		Lbs. NET	
VEHICLE IDENTIFICATION	B/L NUMBER	COMMODITY	
# 510		Soil	
NAME OF SHIPPER		NAME OF CARRIER	
FT. Monmouth - DPW - ENVIRO		QUEHE	
REMARKS		DRIVER SIGNATURE	
		☐ DRIVER ON ☒ DRIVER OFF No. 27044	
DATE		WEIGHMASTER	
21 JAN 98		Kevin Victor	

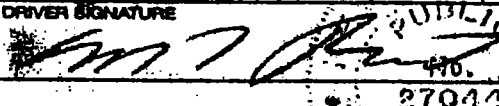
SELH Form 1671 - August 1988

USAGFM 2715-88

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
55,700		Lbs. GROSS	
28,310		Lbs. TARE	
* 27,390		Lbs. NET	
VEHICLE IDENTIFICATION # 017	B/L NUMBER	COMMODITY Soil	
NAME OF SHIPPER FT Monmouth - DRW - ENVURO		NAME OF CARRIER Quade	
REMARKS		DRIVER SIGNATURE 	
DATE 21 JAN 98		WEIGHMASTER Kern Victor	
☐ DRIVER ON		☒ DRIVER OFF	

DD Form 1571 - August 1996

USAGM 2715-00

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
71,060		Lbs. GROSS	
31,170		Lbs. TARE	
* 39,890		Lbs. NET	
VEHICLE IDENTIFICATION # 510	B/L NUMBER	COMMODITY Soil	
NAME OF SHIPPER FT Monmouth - DRW - ENVURO		NAME OF CARRIER Quade	
REMARKS		DRIVER SIGNATURE 	
DATE 21 JAN 98		WEIGHMASTER Kern Victor	
☐ DRIVER ON		☒ DRIVER OFF	

DD Form 1571 - August 1996

USAGM 2715-00

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
55,480		Lbs. GROSS	
24,770		Lbs. TARE	
* 24,740		Lbs. NET	
VEHICLE IDENTIFICATION	B/L NUMBER	COMMODITY	
# 14		Soil	
NAME OF SHIPPER		NAME OF CARRIER	
FT. Monmouth DOW - ENVIR		QUEUE	
REMARKS		DRIVER SIGNATURE	
		X <i>[Signature]</i>	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE		WEIGHTMASTER	
21 Jan 98		<i>[Signature]</i>	

SEL# Form 1571 - August 1988

USAGFM 2715-88

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
54,920		Lbs. GROSS	
30,750		Lbs. TARE	
* 24,170		Lbs. NET	
VEHICLE IDENTIFICATION	B/L NUMBER	COMMODITY	
# 14		Soil	
NAME OF SHIPPER		NAME OF CARRIER	
FT. Monmouth - DOW - ENVIR		QUEUE	
REMARKS		DRIVER SIGNATURE	
		X <i>[Signature]</i>	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE		WEIGHTMASTER	
21 JAN 98		<i>[Signature]</i>	

SEL# Form 1571 - August 1988

USAGFM 2715-88

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
56,230		Lbs. GROSS	
27,730		Lbs. TARE	
28,500		Lbs. NET	
VEHICLE IDENTIFICATION # 117	B/L NUMBER	COMMODITY Soil	
NAME OF SHIPPER FT. MONMOUTH - DPW - ENVIRO		NAME OF CARRIER QUEUE	
REMARKS		DRIVER SIGNATURE * [Signature]	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE 21 JAN. 98		WEIGHMASTER Kearney Victor	

SEL-1 Form 1571 - August 1999

USAGPM 2715-08

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
61,830		Lbs. GROSS	
31,840		Lbs. TARE	
* 29,990		Lbs. NET	
VEHICLE IDENTIFICATION # 510	B/L NUMBER	COMMODITY Soil	
NAME OF SHIPPER FT. MONMOUTH - DPW - ENVIRO		NAME OF CARRIER QUEUE	
REMARKS		DRIVER SIGNATURE [Signature]	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE 21 JAN. 98		WEIGHMASTER Kearney Victor	

SEL-1 Form 1571 - August 1999

USAGPM 2715-08

**CERTIFIED WEIGHTMASTER
WEIGHT TICKET**

US Army Garrison Fort Monmouth
Directorate for Installation Logistics, Sup Svcs Div.
Fort Monmouth, New Jersey 07703

WEIGHT

62,020
30,160
* 31,860

Lbs. GROSS

Lbs. TARE

Lbs. NET

VEHICLE IDENTIFICATION

B/L NUMBER

COMMODITY

#14

NAME OF SHIPPER

NAME OF CARRIER

FT MONMOUTH - DRW - ENVIRU

QUEHE

REMARKS

DRIVER SIGNATURE

DATE

WEIGHTMASTER

21 JAN 98

KEVIN VICTOR

DD Form 1671 - August 1988

USAPM 2716-6

**CERTIFIED WEIGHTMASTER
WEIGHT TICKET**

US Army Garrison Fort Monmouth
Directorate for Installation Logistics, Sup Svcs Div.
Fort Monmouth, New Jersey 07703

WEIGHT

52,920
27,380
* 25,540

Lbs. GROSS

Lbs. TARE

Lbs. NET

VEHICLE IDENTIFICATION

B/L NUMBER

COMMODITY

#007

NAME OF SHIPPER

NAME OF CARRIER

FT MONMOUTH - DRW - ENVIRU

QUEHE

REMARKS

DRIVER SIGNATURE

DATE

WEIGHTMASTER

21 JAN 98

KEVIN VICTOR

DD Form 1671 - August 1988

USAPM 2716-6

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703

Tel (732)532-4359 Fax (732)532-3484 EMail:appleby@doim6.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: EZTI		Project No:		Analysis Parameters								Comments:							
Phone #: 732-389-2210		Location: Bldg 1220																	
()DERA ()OMA ()Other:		VST REMOVAL																	
Samplers Name / Company: HARRY H. ELIAS, EZTI				Sample #															
Lab Sample I.D.	Sample Location	Date	Time	Type									bottles	Remarks / Preservation Method					
01 LOTD 1	EXCAVATION OF	1-21-98	6857	SOIL	1	X													
02 LOTD 2	SATURATED SOIL -		0933		1	X													
03 LOTD 3	WATER MIXTURE		1018		1	X													
04 LOTD 4	NORTH OF BLDG		1054		1	X													
05 LOTD 5	1220		1124		1	X													
06 LOTD 6			1218		1	X													
07 LOTD 7			1232		1	X													
08 LOTD 8			1247		1	X													
09 LOTD 9			1339		1	X													
10 LOTD 10			1402		1	X													
11 LOTD 11			1422		1	X													
12 LOTD 12	V	V	1433		1	X													
Relinquished by (signature): <i>Harry H. Elias</i>		Date/Time: 1-21-98 1536	Received by (signature): <i>J. Verger</i>		Relinquished by (signature):		Date/Time:		Received by (signature):										
Relinquished by (signature):		Date/Time:	Received by (signature):		Relinquished by (signature):		Date/Time:		Received by (signature):										
Report Type: ()Full, ()Reduced, ()Standard, ()Screen / non-certified					Remarks:														
Turnaround time: (X)Standard 4 wks, ()Rush ___ Days, ()ASAP Verbal ___ Hrs.																			

532-4359 (0000) 5004

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
		71,570	Lbs. GROSS
		33,670	Lbs. TARE
		* 37,900	Lbs. NET
VEHICLE IDENTIFICATION	B/L NUMBER	COMMODITY	
# 2		Soil	
NAME OF SHIPPER		NAME OF CARRIER	
F.T. Monmouth - DRIV - ENVIR		GUEE	
REMARKS		DRIVER SIGNATURE	
		x [Signature]	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE		WEIGHMASTER	
1 JAN 98		Keren [Signature]	

DDJLH Form 1871 - August 1988

UNADPM 2

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
		61,840	Lbs. GROSS
		30,540	Lbs. TARE
		* 31,300	Lbs. NET
VEHICLE IDENTIFICATION	B/L NUMBER	COMMODITY	
# 11		Soil	
NAME OF SHIPPER		NAME OF CARRIER	
F.T. Monmouth - DRIV - ENVIR		GUEE	
REMARKS		DRIVER SIGNATURE	
		x [Signature]	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE		WEIGHMASTER	
31 JAN 98		Keren [Signature]	

DDJLH Form 1871 - August 1988

UNADPM 2

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
		62,270	<u>Lbs. GROSS</u>
		28,800	<u>Lbs. TARE</u>
		* 33,470	Lbs. NET
VEHICLE IDENTIFICATION # 105		B/L NUMBER	COMMODITY Soil
NAME OF SHIPPER FT Monmouth - DPW - ENVIR		NAME OF CARRIER QUELLE	
REMARKS		DRIVER SIGNATURE X [Signature]	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE 30 Jan 98		WEIGHTMASTER Kern [Signature]	

DD Form 1571 - August 1988

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
		55,750	<u>Lbs. GROSS</u>
		25,450	<u>Lbs. TARE</u>
		30,300	Lbs. NET
VEHICLE IDENTIFICATION # 32		B/L NUMBER	COMMODITY Soil
NAME OF SHIPPER FT Monmouth - DPW - ENVIR		NAME OF CARRIER QUELLE	
REMARKS		DRIVER SIGNATURE X [Signature]	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE 30 Jan 98		WEIGHTMASTER Kern [Signature]	

DD Form 1571 - August 1988

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
		67,180	<u>Lbs. GROSS</u>
		33,520	<u>Lbs. TARE</u>
		* 33,160	<u>Lbs. NET</u>
VEHICLE IDENTIFICATION		B/L NUMBER	COMMODITY
# 2			Soil
NAME OF SHIPPER		NAME OF CARRIER	
FT. Monmouth - DPLD-ENVIRO		QUE 46	
REMARKS		DRIVER SIGNATURE	
		* [Signature]	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE		WEIGHMASTER	
Jan 98		Kerwin Victor	

DDJLS Form 1871 - August 1988

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
		59,810	<u>Lbs. GROSS</u>
		30,710	<u>Lbs. TARE</u>
		* 29,100	<u>Lbs. NET</u>
VEHICLE IDENTIFICATION		B/L NUMBER	COMMODITY
# 11			Soil
NAME OF SHIPPER		NAME OF CARRIER	
FT. Monmouth - DPLD-ENVIRO		QUE 46	
REMARKS		DRIVER SIGNATURE	
		* [Signature]	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE		WEIGHMASTER	
2. Jan 98		Kerwin Victor	

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
		55,540	Lbs. GROSS
		27,560	Lbs. TARE
		* 27,980	Lbs. NET
VEHICLE IDENTIFICATION		B/L NUMBER	COMMODITY
F 32			Soil
NAME OF SHIPPER		NAME OF CARRIER	
FT Monmouth PWL - CIVILIAN		QUELLE IN VIO	
REMARKS		DRIVER SIGNATURE	
		* [Signature]	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE		WEIGHTMASTER	
198		[Signature]	

DD Form 1671 - August 1988

USAGPM

US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703		RTIFIED WEIGHTMASTER WEIGHT TICKET	
WEIGHT			
Lbs. GROSS		61,180	
Lbs. TARE		31,340	
Lbs. NET		* 29,840	
COMMODITY		Soil	
B/L NUMBER		105	
NAME OF CARRIER		Monmouth - PWL - CIVILIAN	
DRIVER SIGNATURE		[Signature]	
☐ DRIVER ON ☒ DRIVER OFF			
WEIGHTMASTER		198	

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
		72,880	Lbs. GROSS
		33,580	Lbs. TARE
		* 39,300	Lbs. NET
VEHICLE IDENTIFICATION	B/L NUMBER	COMMODITY	
# 2		Soil	
NAME OF SHIPPER		NAME OF CARRIER	
FT Monmouth - DPL - ENVIRO		GUEHE	
REMARKS		DRIVER SIGNATURE	
		* M. M. L. (Signature)	
DATE		☐ DRIVER ON ☒ DRIVER OFF	
		WEIGHMASTER	
		Kearney (Signature)	

DDJL Form 1071 - August 1980

USAR

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
		57,480	Lbs. GROSS
		28,560	Lbs. TARE
		* 28,920	Lbs. NET
VEHICLE IDENTIFICATION	B/L NUMBER	COMMODITY	
# 11		Soil	
NAME OF SHIPPER		NAME OF CARRIER	
FT Monmouth - DPL - ENVIRO		GUEHE	
REMARKS		DRIVER SIGNATURE	
		* M. M. L. (Signature)	
DATE		☐ DRIVER ON ☒ DRIVER OFF	
		WEIGHMASTER	
		Kearney (Signature)	

USAR

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
		58,170	Lbs. GROSS
		31,030	Lbs. TARE
		* 27,140	Lbs. NET
VEHICLE IDENTIFICATION	B/L NUMBER	COMMODITY	
# 115		Soil	
NAME OF SHIPPER		NAME OF CARRIER	
FT. MONMOUTH - DPW - ENVIRON		QUEUE	
REMARKS		DRIVER SIGNATURE	
		* Todd [Signature]	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE		WEIGHTMASTER	
1 JAN 48		Kerrin Victor	

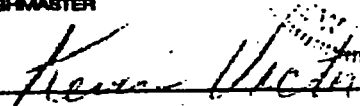
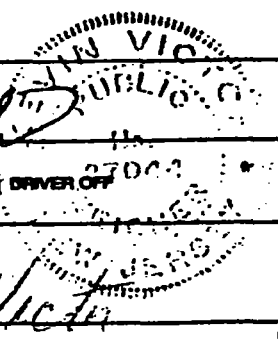
DDJG Form 1671 - August 1966

USAR

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
		52,790	Lbs. GROSS
		25,870	Lbs. TARE
		* 26,900	Lbs. NET
VEHICLE IDENTIFICATION	B/L NUMBER	COMMODITY	
# 32		Soil	
NAME OF SHIPPER		NAME OF CARRIER	
FT. MONMOUTH - DPW - ENVIRON		QUEUE	
REMARKS		DRIVER SIGNATURE	
		* [Signature]	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE		WEIGHTMASTER	
1 JAN 48		Kerrin Victor	

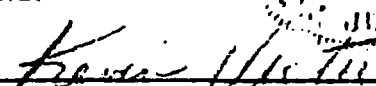
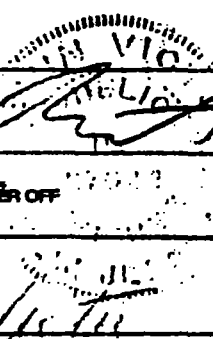
DDJG Form 1671 - August 1966

US

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
		66,520	Lbs. GROSS
		33,280	Lbs. TARE
		* 33,240	Lbs. NET
VEHICLE IDENTIFICATION	B/L NUMBER	COMMODITY	
# 2		Soil	
NAME OF SHIPPER		NAME OF CARRIER	
Ft Monmouth - DPW - Enviro		GHEE	
REMARKS		DRIVER SIGNATURE	
		☐ DRIVER ON ☒ DRIVER OFF 	
DATE		WEIGHTMASTER	
JAN 98		 	

DDJL Form 1671 - August 1988

USARPA

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
		71,640	Lbs. GROSS
		27,680	Lbs. TARE
		* 43,960	Lbs. NET
VEHICLE IDENTIFICATION	B/L NUMBER	COMMODITY	
# 11		Soil	
NAME OF SHIPPER		NAME OF CARRIER	
Ft Monmouth - DPW - Enviro		GHEE	
REMARKS		DRIVER SIGNATURE	
		☐ DRIVER ON ☒ DRIVER OFF 	
DATE		WEIGHTMASTER	
JAN 98		 	

DDJL Form 1671 - August 1988

USARPA

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
VEHICLE IDENTIFICATION * 11		B/L NUMBER	
NAME OF SHIPPER FT Monmouth - DRW - ENVIRO		NAME OF CARRIER GUEHE	
REMARKS		DRIVER SIGNATURE * [Signature]	
DATE 21 Jan 98		WEIGHMASTER Kearney	
WEIGHT 64,520 K✓ 54,520 28,250 * 36,270		Lbs. GROSS Lbs. TARE Lbs. NET	

DELJH Form 1571 - August 1988

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
VEHICLE IDENTIFICATION * 105		B/L NUMBER	
NAME OF SHIPPER FT Monmouth - DRW - ENVIRO		NAME OF CARRIER GUEHE	
REMARKS		DRIVER SIGNATURE * [Signature]	
DATE 21 Jan 98		WEIGHMASTER Kearney	
WEIGHT 57,070 29,336 * 29,740		Lbs. GROSS Lbs. TARE Lbs. NET	

DELJH Form 1571 - August 1988

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
		62,130	<u>Lbs. GROSS</u>
		33,260	<u>Lbs. TARE</u>
		* 34,870	Lbs. NET
VEHICLE IDENTIFICATION	B/L NUMBER	COMMODITY	
# 2		Soil	
NAME OF SHIPPER		NAME OF CARRIER	
FT. Monmouth - DPW - Enviro		QUEUE	
REMARKS		DRIVER SIGNATURE	
		* [Signature]	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE		WEIGHTMASTER	
31 JAN 98		Kerran [Signature]	

DDM Form 1671 - August 1988

USAPM 5715-08

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
		62,740	<u>Lbs. GROSS</u>
		25,340	<u>Lbs. TARE</u>
		* 37,400	Lbs. NET
VEHICLE IDENTIFICATION	B/L NUMBER	COMMODITY	
# 32		Soil	
NAME OF SHIPPER		NAME OF CARRIER	
FT. Monmouth - DPW - Enviro		QUEUE	
REMARKS		DRIVER SIGNATURE	
		* [Signature]	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE		WEIGHTMASTER	
31 JAN 98		Kerran [Signature]	

DDM Form 1671 - August 1988

USAPM 5715-08

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT <u>63,040</u> <u>Lbs. GROSS</u> <u>28,820</u> <u>Lbs. TARE</u> <u>* 34,220</u> <u>Lbs. NET</u>			
VEHICLE IDENTIFICATION # 105		B/L NUMBER	COMMODITY Soil
NAME OF SHIPPER FT. MONMOUTH - DPW - ENVIRON		NAME OF CARRIER PUEBLO VIO	
REMARKS		DRIVER SIGNATURE Todd [Signature]	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE 30 JAN 98		WEIGHMASTER Kevin Victor	

BSLM Form 1671 - August 1988 USAGPM 2715-88

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT <u>63,590</u> <u>Lbs. GROSS</u> <u>27,610</u> <u>Lbs. TARE</u> <u>* 35,980</u> <u>Lbs. NET</u>			
VEHICLE IDENTIFICATION # 11		B/L NUMBER	COMMODITY Soil
NAME OF SHIPPER FT. MONMOUTH - DPW - ENVIRON		NAME OF CARRIER PUEBLO VIO	
REMARKS		DRIVER SIGNATURE [Signature]	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE 30 JAN 98		WEIGHMASTER Kevin Victor	

BSLM Form 1671 - August 1988 USAGPM 2715-88

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

Client :	U.S. Army	Lab. ID # :	3314
	DPW. SELFM-PW-EV	Date Rec'd:	02-Feb-98
	Bldg. 173	Analysis Start:	05-Feb-98
	Ft. Monmouth, NJ 07703	Analysis Complete:	06-Feb-98

Analysis:	OQA-QAM-025	UST Reg. #:	
Matrix:	Soil	Closure #:	
Analyst:	D.DEINHARDT	DICAR #:	
Ext. Meth:	Shake	Location #:	BLDG. 1220

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3314.01	LOAD 1	1.00	15.78	77.72	192	555.11
3314.02	LOAD 2	1.00	15.67	77.22	194	1284.95
3314.03	LOAD 3	1.00	15.36	78.00	196	523.44
3314.04	LOAD 4	1.00	15.48	78.53	193	440.35
3314.05	LOAD 5	1.00	15.29	78.07	197	680.49
3314.06	LOAD 6	1.00	15.95	75.48	195	419.47
3314.07	LOAD 7	1.00	15.01	77.08	203	742.49
3314.08	LOAD 8	1.00	14.99	78.66	199	607.84
3314.09	LOAD 9	1.00	15.71	79.38	188	506.72
3314.10	LOAD 10	1.00	15.50	79.03	192	513.15
3314.11	LOAD 11	1.00	15.23	81.01	190	496.19
3314.12	LOAD 12	1.00	15.89	79.99	185	379.71
3314.13	LOAD 13	1.00	15.58	83.03	182	388.11
3314.14	LOAD 14	1.00	15.46	78.83	193	388.28
3314.15	LOAD 15	1.00	15.97	78.00	189	522.13
3314.16	LOAD 16	1.00	15.29	78.52	196	ND
3314.17	LOAD 17	1.00	15.67	77.79	193	1416.28
3314.18	LOAD 18	1.00	15.96	79.79	185	502.76
3314.19	LOAD 19	1.00	15.12	77.42	201	1010.49
3314.20	LOAD 20	1.00	15.58	79.01	191	270.51
3314.21	LOAD 21	1.00	15.42	79.00	193	327.23
3314.22	LOAD 22	1.00	15.40	79.15	193	1057.62
METHOD BLANK	5-Feb-98	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703

Tel (732)532-4359 Fax (732)532-3484 EMail:appleby@doim6.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: BCTI		Project No:		Analysis Parameters								Comments:	
Phone #: 359-2210		Location: BLDG 1270 1ST REMEDIATION											
() DERA () OMA () Other: COMAR		Samplers Name / Company: HARRY H. ELIAS / BCTI		Sample #									Remarks / Preservation Method
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles								
3314.01	LOAD 1	2/2/98	0832	SOIL	1	X							
02	LOAD 2		0840										
03	LOAD 3		0938										
04	LOAD 4		0946										
05	LOAD 5		1035										
06	LOAD 6		1045										
07	LOAD 7		1116										
08	LOAD 8		1133										
09	LOAD 9		1232										
10	LOAD 10		1241										
11	LOAD 11		1246										
12	LOAD 12		1257										
13	LOAD 13		1309										
14	LOAD 14		1340										
Relinquished by (signature): Harry H. Elias		Date/Time: 2/2/98 1110		Received by (signature): [Signature]		Relinquished by (signature):		Date/Time:		Received by (signature):			
Relinquished by (signature):		Date/Time:		Received by (signature):		Relinquished by (signature):		Date/Time:		Received by (signature):			
Report Type: () Full, () Reduced, () Standard, () Screen / non-certified						Remarks:							
Turnaround time: () Standard 4 wks, () Rush ____ Days, () ASAP Verbal ____ Hrs.													

Tel (908)532-4359 Fax (908)532-3484 EMail:appleby@doim6.mounmouth.army.mil

Chain of Custody Record

print legibly

10:05

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
75,150		Lbs. GROSS	
28,260		Lbs. TARE	
* 46,890		Lbs. NET	
VEHICLE IDENTIFICATION	B/L NUMBER	COMMODITY	
TEMP (FL)		Soil	
NAME OF SHIPPER		NAME OF CARRIER	
FT. MONMOUTH - DPW - ENVIRO		QUEUE	
REMARKS		DRIVER SIGNATURE	
		* SM 7 <i>[Signature]</i>	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE		WEIGHMASTER	
05-JAN, 31 DEC. 98		Kevin Victor	

SELH Form 1671 - August 1988

USAGPM 2716-88

10:30 AM

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
76,430		Lbs. GROSS	
28,490		Lbs. TARE	
* 47,940		Lbs. NET	
VEHICLE IDENTIFICATION	B/L NUMBER	COMMODITY	
TEMP (FL)		Soil	
NAME OF SHIPPER		NAME OF CARRIER	
FT. MONMOUTH - DPW - ENVIRO		QUEUE	
REMARKS		DRIVER SIGNATURE	
		* SM 7 <i>[Signature]</i>	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE		WEIGHMASTER	
05, JAN 31 DEC. 98		Kevin Victor	

SELH Form 1671 - August 1988

USAGPM 2716-88

3:10 PM

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
59,310		Lbs. GROSS	
27,110		Lbs. TARE	
* 32,200		Lbs. NET	
VEHICLE IDENTIFICATION TR # 32		B/L NUMBER	COMMODITY Soil
NAME OF SHIPPER FT. MONMOUTH - OPW - ENVIRO		NAME OF CARRIER QUEUE	
REMARKS		DRIVER SIGNATURE x [Signature]	
DATE 31 DEC. 97		☐ DRIVER ON ☒ DRIVER OFF	
		WEIGHMASTER Kevin Victor	

9ELH Form 1671 - August 1986

USAGFM 2716-06

3:10 PM

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
59,310		Lbs. GROSS	
27,110		Lbs. TARE	
* 32,200		Lbs. NET	
VEHICLE IDENTIFICATION TR # 32		B/L NUMBER	COMMODITY Soil
NAME OF SHIPPER FT. MONMOUTH - OPW - ENVIRO		NAME OF CARRIER QUEUE	
REMARKS		DRIVER SIGNATURE x [Signature]	
DATE 31 DEC. 97		☐ DRIVER ON ☒ DRIVER OFF	
		WEIGHMASTER Kevin Victor	

9ELH Form 1671 - August 1986

USAGFM 2716-06

1,20 1.00

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
_____		Lbs. GROSS	
_____		Lbs. TARE	
* 45,630		Lbs. NET	
VEHICLE IDENTIFICATION X 22		B/L NUMBER	
NAME OF SHIPPER FT. Monmouth - DPW - ENVIRO		NAME OF CARRIER GUCUC	
REMARKS		DRIVER SIGNATURE X [Signature]	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE 05 Jan 96		WEIGHMASTER [Signature]	

SELH Form 1671 - August 1988

USAGFM 2715-88

11:25 AM

CERTIFIED WEIGHTMASTER WEIGHT TICKET		US Army Garrison Fort Monmouth Directorate for Installation Logistics, Sup Svcs Div. Fort Monmouth, New Jersey 07703	
WEIGHT			
_____		Lbs. GROSS	
_____		Lbs. TARE	
* 46,080		Lbs. NET	
VEHICLE IDENTIFICATION Temp (FL)		B/L NUMBER	
NAME OF SHIPPER FT. Monmouth - DPW - ENVIRO		NAME OF CARRIER GUCUC	
REMARKS		DRIVER SIGNATURE X [Signature]	
		☐ DRIVER ON ☒ DRIVER OFF	
DATE 05, JAN 21 DEC. 98		WEIGHMASTER Kevin Hector	

SELH Form 1671 - August 1988

USAGFM 2715-88

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

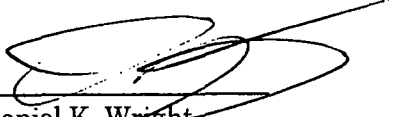
Client : U.S. Army **Lab. ID # :** 3266
DPW. SELFM-PW-EV **Date Rec'd:** 06-Jan-98
Bldg. 173 **Analysis Start:** 06-Jan-98
Ft. Monmouth, NJ 07703 **Analysis Complete:** 07-Jan-98

Analysis: OQA-QAM-025 **UST Reg. #:**
Matrix: Soil **Closure #:**
Analyst: D.DEINHARDT **DICAR #:**
Ext. Meth: Shake **Location #:** BLDG 1220

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3266.01	C-1	1.00	15.66	80.93	185	4150.56
3266.02	C-2	1.00	15.63	80.67	186	4251.92
3266.03	C-3	1.00	15.62	81.09	186	10371.29
3266.04	C-4	1.00	15.43	80.66	189	11572.24
3266.05	C-5	1.00	15.51	78.17	194	9457.50
METHOD BLANK	6-Jan-98	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit


Daniel K. Wright
Laboratory Director

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SLE PM-PW-1 V Fort Monmouth NJ 07703

Tel (732)532-1359 Fax (732)532-3484 EMail:appleby@doimo.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: ECTI		Project No: UST Removals		Analysis Parameters				Comments:	
Phone #: 82-389-2210		Location: Bldg 1220							
() DERA () OMA () Other: _____									
Samplers Name / Company: JOE SAVADI, ECTI				Sample #	THC				
Lab Sample ID	Sample Location	Date	Time	Type					bottles
01 C-1	FIRST LOAD	1/5/98	1015	Soil	1				
02 C-2	SECOND LOAD	↓	1100	↓	↓				
03 C-3	THIRD LOAD	↓	1150	↓	↓				
04 C-4	FOURTH LOAD	↓	1256	↓	↓				
05 C-5	FIFTH LOAD	↓	1430	↓	↓				
Relinquished by (signature): <i>[Signature]</i>		Date/Time: 1/6/98 1413		Received by (signature): <i>[Signature]</i>		Relinquished by (signature):		Date/Time:	Received by (signature):
Relinquished by (signature):		Date/Time:		Received by (signature):		Relinquished by (signature):		Date/Time:	Received by (signature):
Report Type: () Full, () Reduced, () Standard, () Screen / non-certified				Remarks: FAX RESULTS to 908-276-7975					
Turnaround time: () Standard 4 wks. () Rush _____ Days, () ASAP Verbal _____ Hrs.									

APPENDIX F

SOIL ANALYTICAL DATA PACKAGE

[illegible]

Lab. ID #: 3307
Date Rec'd: 30-Jan-98
Analysis Start: 02-Feb-98
Analysis Complete: 02-Feb-98

UST Reg. #:
 Closure #:
 DICAR #:
 Location #: Bldg 1220

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3307.01	Hole #1	1.00	15.29	75.64	203	476.63
3307.02	Hole #2	1.00	15.07	70.24	222	ND
3307.03	Hole #3	1.00	15.50	78.70	193	ND
METHOD BLANK	2-Feb-98	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

APPENDIX G

GROUNDWATER ANALYTICAL DATA PACKAGE

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732)532-6224 FAX: (732)532-3484

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

NJDEP LABORATORY CERTIFICATION # 13461



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

BLDG. 1220

Field Location No. & Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Trip Blank	4035.01	Aqueous	06-Nov-98	11/06/98
Field Blank	4035.02	Aqueous	06-Nov-98 09:29	11/06/98
Bldg. 1220 B-1 16'-19'	4035.05	Aqueous	06-Nov-98 13:30	11/06/98
Bldg. 1220 B-1 16'-19'	4035.06	Aqueous	06-Nov-98 14:15	11/06/98
Bldg. 1220 B-2 18'-21'	4035.07	Aqueous	06-Nov-98 13:50	11/06/98
Bldg. 1220 B-2 18'-21'	4035.08	Aqueous	06-Nov-98 14:30	11/06/98

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB.
VOA+15, BN+15

 12-8-98
Daniel Wright/Date
Laboratory Director

ENCLOSURE:
CHAIN OF CUSTODY
FIELD DOCUMENTATION
RESULTS

Table of Contents

<u>Section</u>	<u>Pages</u>
Chain of Custody	1-2
Field Documentation	3-5
Methodology Review	6-7
Conformance/Non-Conformance Summary	8-10
Laboratory Chronicle	11-12
Volatile Organics	13-14
Analytical Results Summary	15-24
Tune Results Summary	25-28
Method Blank Results Summary	29
Calibration Summary	30-33
Surrogate Recovery Summary	34
MS/MSD Results Summary	35-36
Internal Standard Area & RT Summary	37
Chromatograms	38-47
Base Neutrals	48
Analytical Results Summary	49-56
Tune Results Summary	57-62
Method Blank Results Summary	63
Calibration Summary	64-71
Surrogate Recovery Summary	72
MS/MSD Results Summary	73
Internal Standard Area & RT Summary	74-76
Chromatograms	77-84
Laboratory Deliverables Checklist	85
Laboratory Authentication Statement	86

CHAIN OF CUSTODY

000001

FIELD DOCUMENTATION

000003

Post Remedial Groundwater Sampling at Former Underground Storage Tank Site [# 2 fuel oil]

FOR BLDG. # 1220- [B-2]

Ground Water Sampling with the use of a Passively Placed Narrow Diameter Point (PPNDP)

Objective:

To collect a representative groundwater sample utilizing a narrow diameter point [PPNDP] This is a small diameter [1-inch OD] screened casing passively placed in a borehole. The casing is of p.v.c. construction.

1. Methods

- A. A solid push - rod (bull point) is used to create a narrow diameter hole to a depth below the water table. A piece of schedule 40 PVC screen with 0.010-inch slots and an end cap is placed to the bottom of the hole. Glues or adhesives are not used for joining the casing. Threaded PVC casing is used. No filter or gravel pack is used.

2. Installation

- A. Using a Geoprobe, a borehole was advanced with a pre-probe with a diameter slightly larger than the casing. The hole was made to a depth of 22 feet. The water table was at 18 feet below ground surface.
- B. The screened section of PVC was placed into the borehole so the screened section was across the ground water table from 17 - 22 feet. Riser casing from 17 - +3 feet.

3. Purging

- A. Three volumes of the standing water in the point were purged. The amount of water extracted was app. 0.123 gal. Three to five volumes are purged due to the potential for cross contamination of the screen from upper soil horizons. This was accomplished utilizing a peristaltic pump, and utilizing food grade tubing.

4. Sampling

- A. Sampling methods, sample preservation requirements, sample handling times, decontamination procedure for field equipment, and frequency for field blanks, field duplicates and trip blanks conform to applicable industry methods such as those specified in the NJDEP "Field Sampling Procedures Manual" in effect as of the date on which sampling is performed. Any deviations from the methods in the "Field Sampling Procedures Manual" pursuant to N.J.A.C. 7:26E-1.6(c) has been approved by the person responsible for conducting the remediation.

000006

All samples were preserved in the field immediately after collection and submitted to the laboratory as soon as possible and no later than 48 hours after sample collection.

The acquisition of samples and water level measurements were performed as recommended and described in the May 1992 edition of NJDEP Field Sampling Procedures Manual.

5. Quality Assurance/Quality Control

A. Decontamination

The associated equipment (bull point, riser pipe, etc.) was decontaminated between borings using the following procedure:

1. Remove all adherent soil material.
2. Wash with a laboratory grade glassware detergent.
3. Rinsed with potable water.
4. Rinse with distilled and deionized ASTM Type II water.

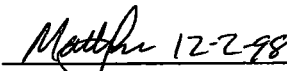
B. Field Blanks

1 Field blank was shared with bldg. 2700 CW-1 taken same day.

- C. Sample bottles:** Supplied by Environmental Sampling Supply, Oakland, Calif.
The sample bottles are certified clean and are sealed upon delivery.

- D. P.V.C. Screens:** Supplied by Bedrock Enterprises, Forked River N.J.

Geoprobe Operator: Mark Laura
Employer: U.S. Army, Fort Monmouth
Phone Number: [732] 532-8990
NJDEP License #: J-1486


Mark Laura / Date

000007

METHODOLOGY SUMMARY

000008

Methodology Summary

EPA Method 624

Gas Chromatographic Determination of Volatiles in Water

Surrogates and internal standards are added to a 5 ml aliquot of sample. The sample is then purged and desorbed into a GC/MS system. The organic compounds are separated by the gas chromatograph and detected using the mass spectrometer. Volatiles are identified and quantitated.

EPA Method 3510/8270

Gas Chromatographic Determination of Semi-volatiles in Water

Surrogates are added to a measured volume of sample, usually 1 liter, at a specified pH. The sample is serially extracted with Methylene Chloride using a separatory funnel. The extract concentrated and internal standards are added. The sample is injected into a GC/MS system. Semi-volatiles are identified and quantitated.

CONFORMANCE/ NON-CONFORMANCE SUMMARY

000010

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 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 _____
 - b. B/N Fraction _____
 - c. Acid Fraction NA
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 NA

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

9. Matrix Spike/Matrix Spike Duplicate 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 NA

000011

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

Indicate
Yes, No, N/A

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

yes

- 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:

Field dup performed on 4035.04 Bldg 2507 8.9-11.9'

Laboratory Manager: _____

Date: 12-8-98

000012

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL : Method Detection Limit

J : Compound identified below detection limit

B : Compound in both sample and blank

D : Results from dilution of sample

U : Compound searched for but not detected

000016

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

Data File Nam VB02067.D
 Operator Skelton
 Date Acquired 10 Nov 98 3:32 pm

Sample Name VBLK64
 Field ID VBLK64
 Sample Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

Qualifiers

B = Compound found in related blank
 E = Value above linear range
 D = Value from dilution
 PQL = Practical Quantitation Limit

MDL = Method Detection Limit
 NLE = No Limit Established
 R.T. = Retention Time

000017

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Vblk64

Lab Name: FMETL Project 980932
NJDEP# 13461 Case No.: 4035 SDG No Location UST
Matrix: (soil/water) WATER Lab Sample ID: VBLK64
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02067.D
Level: (low/med) LOW Date Received: 11/06/98
% Moisture: not dec. Date Analyzed: 11/10/98
GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 0

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
---------	---------------	----	------------	---

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

Data File Nam vb02079.d
 Operator Skelton
 Date Acquired 11 Nov 98 12:38 am

Sample Name 4035.01
 Field ID Trip Blank
 Sample Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

Qualifiers

B = Compound found in related blank
 E = Value above linear range
 D = Value from dilution
 PQL = Practical Quantitation Limit

MDL = Method Detection Limit
 NLE = No Limit Established
 R.T. = Retention Time

000019

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Trip Blank

Lab Name: FMETL Project 980932
NJDEP# 13461 Case No.: 4035 SDG No Location UST
Matrix: (soil/water) WATER Lab Sample ID: 4035.01
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02079.D
Level: (low/med) LOW Date Received: 11/06/98
% Moisture: not dec. Date Analyzed: 11/11/98
GC Column: HP5MS 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 Nam vb02080.d
 Operator Skelton
 Date Acquired 11 Nov 98 1:23 am

Sample Name 4035.02
 Field ID Field Blank
 Sample Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

Qualifiers

B = Compound found in related blank
 E = Value above linear range
 D = Value from dilution
 PQL = Practical Quantitation Limit

MDL = Method Detection Limit
 NLE = No Limit Established
 R.T. = Retention Time

000021

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Field Blank

Lab Name: FMETL Project 980932
NJDEP# 13461 Case No.: 4035 SDG No Location UST
Matrix: (soil/water) WATER Lab Sample ID: 4035.02
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02080.D
Level: (low/med) LOW Date Received: 11/06/98
% Moisture: not dec. Date Analyzed: 11/11/98
GC Column: HP5MS 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 Nam vb02084.d
 Operator Skelton
 Date Acquired 11 Nov 98 4:25 am

Sample Name 4035.07
 Field ID Bldg 1220-B-2
 Sample Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane	8.54	590725	8.51 ug/L	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	10.51	54498	7.47 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

Qualifiers

B = Compound found in related blank
 E = Value above linear range
 D = Value from dilution
 PQL = Practical Quantitation Limit

MDL = Method Detection Limit
 NLE = No Limit Established
 R.T. = Retention Time

000025

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Bldg1220-B-2

Lab Name: FMETL Project 980932
NJDEP# 13461 Case No.: 4035 SDG No Location UST
Matrix: (soil/water) WATER Lab Sample ID: 4035.07
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02084.D
Level: (low/med) LOW Date Received: 11/06/98
% Moisture: not dec. Date Analyzed: 11/11/98
GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
---------	---------------	----	------------	---

BASE NEUTRALS

000051

Semi-Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File Name **bn01289.d**
 Operator **Skelton**
 Date Acquired **18 Nov 1998 10:48 pm**

Sample Name **Sblk162**
 Misc Info **Sblk162 A 981110**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	GW Criteria	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	2.52 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	2.64 ug/L	
62-53-3	Aniline			not detected	NLE	2.90 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	2.45 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.65 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	2.50 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	2.09 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.44 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	2.96 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	2.22 ug/L	
67-72-1	Hexachloroethane			not detected	10	2.59 ug/L	
98-95-3	Nitrobenzene			not detected	10	2.45 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	2.54 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	2.58 ug/L	
91-20-3	Naphthalene			not detected	NLE	3.03 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	2.55 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.64 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	2.49 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.59 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	2.15 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.62 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	2.74 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	2.35 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.54 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.62 ug/L	
83-32-9	Acenaphthene			not detected	400	1.98 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	2.13 ug/L	

000052

Semi-Volatile Analysis Report

Page 2

Data File Name **bna01289.d**
 Operator **Skelton**
 Date Acquired **18 Nov 1998 10:48 pm**

Sample Name **Sblk162**
 Misc Info **Sblk162 A 981110**
 Sample Multiplier **1**

121-14-2	2,4-Dinitrotoluene			not detected	10	1.22	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.68	ug/L	
86-73-7	Fluorene			not detected	300	1.93	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.53	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.70	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.73	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.92	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.54	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.88	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.67	ug/L	
120-12-7	Anthracene			not detected	2000	1.79	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.83	ug/L	
206-44-0	Fluoranthene			not detected	300	1.85	ug/L	
92-87-5	Benidine			not detected	50	4.11	ug/L	
129-00-0	Pyrene			not detected	200	1.02	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.15	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.57	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	2.28	ug/L	
218-01-9	Chrysene			not detected	20	2.32	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.29	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.30	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.31	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.57	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.36	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.22	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	3.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.13	ug/L	

Qualifiers

E = Value exceeded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

000053

1E 1.2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Sblk162

Lab Name: FMETL Lab Code 13461

Project 980932 Case No.: 4035 Location UST SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: Sblk162

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA01289.D

Level: (low/med) LOW Date Received: 11/06/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000301-02-0	9-Octadecenamide, (Z)-	23.23	23	JN
2.	unknown	26.39	48	J

Semi-Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File Name bna01291.d
 Operator Skelton
 Date Acquired 19 Nov 1998 12:11 am

Sample Name 4035.02
 Misc Info Field Blank
 Sample Multiplier 1

CAS#	Name	R.T.	Response	Result	GW Criteria	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	2.52 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	2.64 ug/L	
62-53-3	Aniline			not detected	NLE	2.90 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	2.45 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.65 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	2.50 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	2.09 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.44 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	2.96 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	2.22 ug/L	
67-72-1	Hexachloroethane			not detected	10	2.59 ug/L	
98-95-3	Nitrobenzene			not detected	10	2.45 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	2.54 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	2.58 ug/L	
91-20-3	Naphthalene			not detected	NLE	3.03 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	2.55 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.64 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	2.49 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.59 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	2.15 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.62 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	2.74 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	2.35 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.54 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.62 ug/L	
83-32-9	Acenaphthene			not detected	400	1.98 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	2.13 ug/L	

000055

Semi-Volatile Analysis Report

Page 2

Data File Name **bna01291.d**
 Operator **Skelton**
 Date Acquired **19 Nov 1998 12:11 am**

Sample Name **4035.02**
 Misc Info **Field Blank**
 Sample Multiplier **1**

121-14-2	2,4-Dinitrotoluene			not detected	10	1.22	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.68	ug/L	
86-73-7	Fluorene			not detected	300	1.93	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.53	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.70	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.73	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.92	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.54	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.88	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.67	ug/L	
120-12-7	Anthracene			not detected	2000	1.79	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.83	ug/L	
206-44-0	Fluoranthene			not detected	300	1.85	ug/L	
92-87-5	Benidine			not detected	50	4.11	ug/L	
129-00-0	Pyrene			not detected	200	1.02	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.15	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.57	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	2.28	ug/L	
218-01-9	Chrysene			not detected	20	2.32	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.29	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.30	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.31	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.57	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.36	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.22	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	3.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.13	ug/L	

Qualifiers

E = Value exceeded linear range
 D = Value from dilution
 B = Compound in related blank
 MDL = Method Detection Limit
 NLE = No Limit Established
 R.T. = Retention Time

000056

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Field Blank

Lab Name: FMETL Lab Code 13461
Project 980932 Case No.: 4035 Location UST SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 4035.02
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA01291.D
Level: (low/med) LOW Date Received: 11/06/98
% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/10/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/19/98
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000301-02-0	9-Octadecenamide, (Z)-	23.24	27	JN
2.	unknown	26.40	62	J

Semi-Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File Name **bn01294.d**
 Operator **Skelton**
 Date Acquired **19 Nov 1998 2:16 am**

Sample Name **4035.08**
 Misc Info **Bldg 1220 B-2**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	GW Criteria	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	2.52 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	2.64 ug/L	
62-53-3	Aniline			not detected	NLE	2.90 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	2.45 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.65 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	2.50 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	2.09 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.44 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	2.96 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	2.22 ug/L	
67-72-1	Hexachloroethane			not detected	10	2.59 ug/L	
98-95-3	Nitrobenzene			not detected	10	2.45 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	2.54 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	2.58 ug/L	
91-20-3	Naphthalene			not detected	NLE	3.03 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	2.55 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.64 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	2.49 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.59 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	2.15 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.62 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	2.74 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	2.35 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.54 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.62 ug/L	
83-32-9	Acenaphthene			not detected	400	1.98 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	2.13 ug/L	

000061

Semi-Volatile Analysis Report

Page 2

Data File Name **bn01294.d**
 Operator **Skelton**
 Date Acquired **19 Nov 1998 2:16 am**

Sample Name **4035.08**
 Misc Info **Bldg 1220 B-2**
 Sample Multiplier **1**

121-14-2	2,4-Dinitrotoluene			not detected	10	1.22	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.68	ug/L	
86-73-7	Fluorene			not detected	300	1.93	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.53	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.70	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.73	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.92	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.54	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.88	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.67	ug/L	
120-12-7	Anthracene			not detected	2000	1.79	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.83	ug/L	
206-44-0	Fluoranthene			not detected	300	1.85	ug/L	
92-87-5	Benidine			not detected	50	4.11	ug/L	
129-00-0	Pyrene			not detected	200	1.02	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.15	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.57	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	2.28	ug/L	
218-01-9	Chrysene			not detected	20	2.32	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.29	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.30	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.31	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.57	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.36	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.22	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	3.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.13	ug/L	

Qualifiers

E = Value exceeded linear range
 D = Value from dilution
 B = Compound in related blank
 MDL = Method Detection Limit
 NLE = No Limit Established
 R.T. = Retention Time

000062

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Bldg1220B-2

Lab Name: FMETL Lab Code 13461
Project 980932 Case No.: 4035 Location UST SDG No.:
Matrix: (soil/water) WATER Lab Sample ID: 4035.08
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA01294.D
Level: (low/med) LOW Date Received: 11/06/98
% Moisture: decanted: (Y/N) N Date Extracted: 11/10/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/19/98
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000301-02-0	9-Octadecenamide, (Z)-	23.23	20	JN
2.	unknown	26.39	41	J

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 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 12/8/94

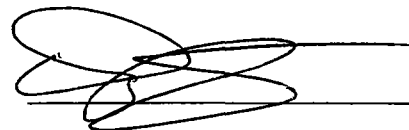
Laboratory Certification #13461

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

000086

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

000087

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732)532-6224 FAX: (732)532-3484

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

NJDEP LABORATORY CERTIFICATION # 13461



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

BLDG. 1220

Field Location No. & Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Trip Blank	4107.01	Aqueous	03-Dec-98	12/03/98
Field Blank	4107.02	Aqueous	03-Dec-98 10:56	12/03/98
Bldg. 1220 B-1	4107.03	Aqueous	03-Dec-98 13:40	12/03/98
Bldg. 1220 B-1	4107.04	Aqueous	03-Dec-98 14:16	12/03/98
Bldg. 1220 B-2	4107.05	Aqueous	03-Dec-98 14:54	12/03/98
Bldg. 1220 B-2	4107.06	Aqueous	03-Dec-98 15:12	12/03/98
Field Dup.	4107.07	Aqueous	03-Dec-98	12/03/98

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, BN+15

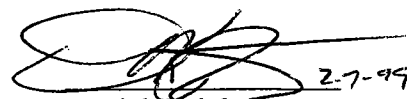

Daniel Wright/Date
Laboratory Director

Table of Contents

<u>Section</u>	<u>Pages</u>
Chain of Custody	1-2
Field Documentation	3-7
Methodology Summary	8-9
Conformance/Non-Conformance Summary	10-12
Laboratory Chronicle	13-14
Volatile Organics	15-16
Analytical Results Summary	17-28
Tune Results Summary	29-30
Method Blank Results Summary	31
Calibration Summary	32-33
Surrogate Recovery Summary	34
MS/MSD Results Summary	35-36
Internal Standard Area & RT Summary	37
Chromatograms	38-49
Base Neutrals	50
Analytical Results Summary	51-60
Tune Results Summary	61-66
Method Blank Results Summary	67
Calibration Summary	68-75
Surrogate Recovery Summary	76
MS/MSD Results Summary	77
Internal Standard Area & RT Summary	78-81
Chromatograms	82-91
Laboratory Deliverables Checklist	92
Laboratory Authentication Statement	93

CHAIN OF CUSTODY

FIELD DOCUMENTATION

Post Remedial Groundwater Sampling at Former Underground Storage Tank Site [# 2 fuel oil]

FOR BLDG. # 1220- [B-2]

Ground Water Sampling with the use of a Passively Placed Narrow Diameter Point (PPNDP)

Objective:

To collect a representative groundwater sample utilizing a narrow diameter point [PPNDP] This is a small diameter [1-inch OD] screened casing passively placed in a borehole. The casing is of p.v.c. construction.

1. Methods

- A. A solid push - rod (bull point) is used to create a narrow diameter hole to a depth below the water table. A piece of schedule 40 PVC screen with 0.010-inch slots and an end cap is placed to the bottom of the hole. Glues or adhesives are not used for joining the casing. Threaded PVC casing is used. No filter or gravel pack is used.

2. Installation

- A. Using a Geoprobe, a borehole was advanced with a pre-probe with a diameter slightly larger than the casing. The hole was made to a depth of 22 feet. The water table was at 18 feet below ground surface.
- B. The screened section of PVC was placed into the borehole so the screened section was across the ground water table from 17 - 22 feet. Riser casing from 17 - +3 feet.

3. Purging

- A. Three volumes of the standing water in the point were purged. The amount of water extracted was app. 0.123 gal. Three to five volumes are purged due to the potential for cross contamination of the screen from upper soil horizons. This was accomplished utilizing a peristaltic pump, and utilizing food grade tubing.

4. Sampling

- A. Sampling methods, sample preservation requirements, sample handling times, decontamination procedure for field equipment, and frequency for field blanks, field duplicates and trip blanks conform to applicable industry methods such as those specified in the NJDEP "Field Sampling Procedures Manual" in effect as of the date on which sampling is performed. Any deviations from the methods in the "Field Sampling Procedures Manual" pursuant to N.J.A.C. 7:26E-1.6(c) has been approved by the person responsible for conducting the remediation.

All samples were preserved in the field immediately after collection and submitted to the laboratory as soon as possible and no later than 48 hours after sample collection.

The acquisition of samples and water level measurements were performed as recommended and described in the May 1992 edition of NJDEP Field Sampling Procedures Manual.

5. Quality Assurance/Quality Control

A. Decontamination

The associated equipment (bull point, riser pipe, etc.) was decontaminated between borings using the following procedure:

1. Remove all adherent soil material.
2. Wash with a laboratory grade glassware detergent.
3. Rinsed with potable water.
4. Rinse with distilled and deionized ASTM Type II water.

B. Field Blanks

1 Field blank was shared with bldg. 2700 CW-1 taken same day.

- C. Sample bottles: Supplied by Environmental Sampling Supply, Oakland, Calif.
The sample bottles are certified clean and are sealed upon delivery.

- D. P.V.C. Screens: Supplied by Bedrock Enterprises, Forked River N.J.

Geoprobe Operator: Mark Laura
Employer: U.S. Army, Fort Monmouth
Phone Number: [732] 532-8990
NJDEP License #: J-1486


Mark Laura / Date

METHODOLOGY SUMMARY

Methodology Summary

EPA Method 624

Gas Chromatographic Determination of Volatiles in Water

Surrogates and internal standards are added to a 5 ml aliquot of sample. The sample is then purged and desorbed into a GC/MS system. The organic compounds are separated by the gas chromatograph and detected using the mass spectrometer. Volatiles are identified and quantitated.

EPA Method 3510/8270

Gas Chromatographic Determination of Semi-volatiles in Water

Surrogates are added to a measured volume of sample, usually 1 liter, at a specified pH. The sample is serially extracted with Methylene Chloride using a separatory funnel. The extract concentrated and internal standards are added. The sample is injected into a GC/MS system. Semi-volatiles are identified and quantitated.

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 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 _____
 - 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 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 _____

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

Indicate
Yes, No, N/A

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

Yes

- 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:

Field Duplicate performed on B-1

Laboratory Manager:  Date: 2-7-99

VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL : Method Detection Limit

J : Compound identified below detection limit

B : Compound in both sample and blank

D : Results from dilution of sample

U : Compound searched for but not detected

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

Data File Nam **vb02291.d**
 Operator **Skelton**
 Date Acquired **8 Dec 98 7:00 pm**

Sample Name **Vblk70**
 Field ID **Vblk70**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

Qualifiers

B = Compound found in related blank
 E = Value above linear range
 D = Value from dilution
 PQL = Practical Quantitation Limit

MDL = Method Detection Limit
 NLE = No Limit Established
 R.T. = Retention Time

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Vblk70

Lab Name: FMETL Project 980932
NJDEP# 13461 Case No.: 4107 SDG No Location UST
Matrix: (soil/water) WATER Lab Sample ID: Vblk70
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02291.D
Level: (low/med) LOW Date Received: 12/03/98
% Moisture: not dec. Date Analyzed: 12/08/98
GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
---------	---------------	----	------------	---

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

Data File Nam **vb02304.d**
 Operator **Skelton**
 Date Acquired **9 Dec 98 4:41 am**

Sample Name **4107.01**
 Field ID **Trip Blank**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

Qualifiers

B = Compound found in related blank
 E = Value above linear range
 D = Value from dilution
 PQL = Practical Quantitation Limit

MDL = Method Detection Limit
 NLE = No Limit Established
 R.T. = Retention Time

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Trip Blank

Lab Name: FMETL Project 980932
NJDEP# 13461 Case No.: 4107 SDG No Location UST
Matrix: (soil/water) WATER Lab Sample ID: 4107.01
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02304.D
Level: (low/med) LOW Date Received: 12/03/98
% Moisture: not dec. Date Analyzed: 12/09/98
GC Column: HP5MS 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 Nam vb02305.d
 Operator Skelton
 Date Acquired 9 Dec 98 5:25 am

Sample Name 4107.02
 Field ID Field Blank
 Sample Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

Qualifiers

B = Compound found in related blank
 E = Value above linear range
 D = Value from dilution
 PQL = Practical Quantitation Limit

MDL = Method Detection Limit
 NLE = No Limit Established
 R.T. = Retention Time

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Field Blank

Lab Name: FMETL Project 980932
NJDEP# 13461 Case No.: 4107 SDG No Location UST
Matrix: (soil/water) WATER Lab Sample ID: 4107.02
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02305.D
Level: (low/med) LOW Date Received: 12/03/98
% Moisture: not dec. Date Analyzed: 12/09/98
GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
---------	---------------	----	------------	---

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

Data File Nam **vb02307.d**
 Operator **Skelton**
 Date Acquired **9 Dec 98 6:55 am**

Sample Name **4107.05**
 Field ID **Bldg1220B-2**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane	8.55	3953481	39.87 ug/L	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

Qualifiers

B = Compound found in related blank
 E = Value above linear range
 D = Value from dilution
 PQL = Practical Quantitation Limit

MDL = Method Detection Limit
 NLE = No Limit Established
 R.T. = Retention Time

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Bldg. 1220B-2

Lab Name: FMETL Project 980932
NJDEP# 13461 Case No.: 4107 SDG No Location UST
Matrix: (soil/water) WATER Lab Sample ID: 4107.05
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02307.D
Level: (low/med) LOW Date Received: 12/03/98
% Moisture: not dec. Date Analyzed: 12/09/98
GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
---------	---------------	----	------------	---

BASE NEUTRAL

Semi-Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File Name **BN02424.D**
 Operator **Skelton**
 Date Acquired **19-Dec-98**

Sample Name **Sblk177**
 Misc Info **Sblk177 A 981208**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94 ug/L	
62-53-3	Aniline			not detected	NLE	0.15 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33 ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46 ug/L	
78-59-1	Isophorone			not detected	100	0.35 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26 ug/L	
83-32-9	Acenaphthene			not detected	400	0.26 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36 ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82 ug/L	
86-73-7	Fluorene			not detected	300	0.29 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23 ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82 ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18 ug/L	
120-12-7	Anthracene			not detected	2000	0.19 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23 ug/L	
206-44-0	Fluoranthene			not detected	300	0.41 ug/L	
92-87-5	Benzidine			not detected	50	1.45 ug/L	
129-00-0	Pyrene			not detected	200	0.32 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46 ug/L	
218-01-9	Chrysene			not detected	20	0.20 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79 ug/L	
53-70-3	Dibenzo[a,h]anthracene			not detected	20	0.28 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40 ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6

Qualifiers

E= Value Exceeds Linear Range
 D= Value from dilution
 B= Compound in Related Blank
 PQL= Practical Quantitation Limit

MDL= Method Detection Limit
 NLE= No Limit Established
 R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

Sblk177

Lab Name: FMETL Lab Cod 13461
Project: 98-0932 Case No.: 4107 Location: UST SDG No: _____
Matrix: (soil/water) WATER Lab Sample ID: Sblk177
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02424.D
Level: (low/med) LOW Date Received: 12/3/98
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/8/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/98
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
------------	---------------	----	------------	---

Semi-Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File Name **BN02403.D**
 Operator **Skelton**
 Date Acquired **18-Dec-98**

Sample Name **4107.02**
 Misc Info **Field Blank**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94 ug/L	
62-53-3	Aniline			not detected	NLE	0.15 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33 ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46 ug/L	
78-59-1	Isophorone			not detected	100	0.35 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26 ug/L	
83-32-9	Acenaphthene			not detected	400	0.26 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36 ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82 ug/L	
86-73-7	Fluorene			not detected	300	0.29 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23 ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82 ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18 ug/L	
120-12-7	Anthracene			not detected	2000	0.19 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23 ug/L	
206-44-0	Fluoranthene			not detected	300	0.41 ug/L	
92-87-5	Benzidine			not detected	50	1.45 ug/L	
129-00-0	Pyrene			not detected	200	0.32 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46 ug/L	
218-01-9	Chrysene			not detected	20	0.20 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	24.87	19748	1.89 ug/L	30	0.51 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40 ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6

Qualifiers

E= Value Exceeds Linear Range
 D= Value from dilution
 B= Compound in Related Blank
 PQL= Practical Quantitation Limit

MDL= Method Detection Limit
 NLE= No Limit Established
 R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

Field Blank

Lab Name: FMETL Lab Cod 13461

Project: 98-0932 Case No.: 4107 Location: UST SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 4107.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02403.D

Level: (low/med) LOW Date Received: 12/3/98

% Moisture: decanted: (Y/N) N Date Extracted: 12/8/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
------------	---------------	----	------------	---

Semi-Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File Name **BN02405.D**
 Operator **Skelton**
 Date Acquired **18-Dec-98**

Sample Name **4107.06**
 Misc Info **Bldg1220B-2**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94 ug/L	
62-53-3	Aniline			not detected	NLE	0.15 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33 ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46 ug/L	
78-59-1	Isophorone			not detected	100	0.35 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26 ug/L	
83-32-9	Acenaphthene			not detected	400	0.26 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36 ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82 ug/L	
86-73-7	Fluorene			not detected	300	0.29 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23 ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82 ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18 ug/L	
120-12-7	Anthracene			not detected	2000	0.19 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23 ug/L	
206-44-0	Fluoranthene			not detected	300	0.41 ug/L	
92-87-5	Benzidine			not detected	50	1.45 ug/L	
129-00-0	Pyrene			not detected	200	0.32 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46 ug/L	
218-01-9	Chrysene			not detected	20	0.20 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	24.86	18327	2.06 ug/L	30	0.51 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40 ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6

Qualifiers

E= Value Exceeds Linear Range
 D= Value from dilution
 B= Compound in Related Blank
 PQL= Practical Quantitation Limit

MDL= Method Detection Limit
 NLE= No Limit Established
 R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

1220B-2

Lab Name: FMETL Lab Cod 13461

Project: 98-0932 Case No.: 4107 Location: UST SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4107.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02405.D

Level: (low/med) LOW Date Received: 12/3/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/8/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/98

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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000301-02-0	9-Octadecenamide, (Z)-	26.54	9	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 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 2/7/99

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.

A handwritten signature in black ink, appearing to read 'Daniel K. Wright', is written over a horizontal line.

Daniel K. Wright
Laboratory Manager

GPS SAMPLE LOCATION MAP(BLDG.1220)

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

(IN US SURVEY FEET)

SAMPLE POINT

<u>POSITION/DESC.</u>	<u>Y COORD.(NORTHING)</u>	<u>X COORD.(EASTING)</u>
SOIL		
PS-1	539055.468	615657.152
PS-2	539068.984	615691.296
PS-3	539032.704	615633.676
PS-4	539010.652	615642.924
PS-5	539068.984	615721.528
PS-6	539044.800	615731.132
PE-1	538990.024	615650.748
PE-2	538977.220	615656.440
PE-3	538962.840	615662.400
PE-4	538999.984	615749.628
PE-5	539011.008	615745.360
PE-6	539028.436	615738.248
GROUNDWATER		
B2	539032.524	615719.740