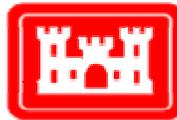


FINAL

Remedial Action Progress Report

M-5 Landfill Site

U. S. Army Installation Fort Monmouth
Fort Monmouth, New Jersey



Directorate of Public Works



September 7, 2005

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United States Army
Fort Monmouth, New Jersey

M-5 Landfill Site
Remedial Action Progress Report

Hydrogen Release Compound Injection/
Long Term Monitoring Program
(4th Quarter 2002 through 3rd Quarter 2003)

Fort Monmouth, Main Post
Fort Monmouth, New Jersey

September 7, 2005

PREPARED BY:



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EXECUTIVE SUMMARY

A Hydrogen Release Compound[®] (HRC[®]) injection program was implemented to remediate tetrachloroethene (PCE) identified in shallow groundwater at the M-5 Landfill site, Main Post, Fort Monmouth, New Jersey. The application of anaerobic bioremediation was conducted in accordance with the M-5 Landfill site Remedial Investigation Report (RIR)/Remedial Action Work Plan (RAWP), prepared by ATC Associates, Inc. (ATC), dated February 2000. The HRC[®] direct injection program involved seven distinct areas in and around the M-5 Landfill site, where elevated concentrations of PCE were detected in the shallow groundwater. This Remedial Action Progress Report (RAPR) documents groundwater quality conditions over time and evaluates the impact of the HRC[®] injection program undertaken from September 2002 through August 2003.

A general decreasing trend of PCE concentrations in groundwater was observed at the site throughout the period of groundwater sampling (4th Quarter 2002 through 3rd Quarter 2003). Similarly, concentrations of trichloroethene (TCE) and cis-1,2-dichloroethene (cis-1,2-DCE) were detected in groundwater during several sampling rounds at more than one monitoring well location. This evidence of an increase in daughter (i.e., breakdown) products supports the contention that PCE degradation is occurring at the M-5 Landfill site, presumably due to the effectiveness of the HRC[®] to support the degradation processes.

Based on the observed decreasing trend of PCE concentrations and the increased presence of degradation products in the groundwater, the HRC[®] subsurface injection program will continue. Remedial action progress will be monitored and reported to the New Jersey Department of Environmental Protection (NJDEP) periodically.

1.0 INTRODUCTION

VERSAR, Inc. (Versar) was contracted by the United States (U.S.) Army Garrison, Fort Monmouth (Fort Monmouth), Directorate of Public Works (DPW), Fort Monmouth, New Jersey to prepare an RAPR to document the activities performed for the remediation of PCE in the shallow groundwater at the M-5 Landfill site located at Fort Monmouth. The application of a HRC[®] injection program to remediate PCE was conducted in accordance with the M-5 Landfill site RIR/RAWP, prepared by ATC, dated February 2000 and approved by the NJDEP in March 2001. This report includes all information contained in the RIR/RAWP and describes the effectiveness of the remedial activities performed by the DPW as of August 2003.

1.1 Objectives

The objective of this RAPR is to document the implementation of the remedial action program performed at the M-5 Landfill site during the reporting period of 4th Quarter 2002 through 3rd Quarter 2003. The purpose of the remedial action was to treat the PCE affected areas through use of HRC[®] and thereby reduce PCE concentrations to comply with the NJDEP Class II-A Groundwater Quality Criteria (GWQC). The remedial activities were conducted in accordance with NJDEP *Technical Requirements for Site Remediation* (July 1999), NJAC 7:26E, et seq.

The remedial action and subsequent preparation of the RAPR encompassed the following:

- Applying HRC[®] treatment to seven zones within the M-5 Landfill site area where the highest groundwater impacts were observed/documented.
- Conducting quarterly rounds of groundwater and surface water sampling to evaluate effectiveness of the remedial action.
- Comparison of the results of the groundwater and surface water quality monitoring programs with the NJDEP GWQC and Surface Water Quality Standards (SWQS).
- Identifying and discussing recommendations for the continuation of this remedial action.
- Documenting all remedial activities as required by the NJDEP *Technical Requirements for Site Remediation* NJAC 7:26E et seq.

1.2 Report Organization

This report is organized to minimize repetition. **Section 2.0** provides background information on the activities performed at the M-5 Landfill site. **Section 3.0** describes and summarizes the remedial activities (HRC[®] injection) conducted at the M-5 Landfill site, including groundwater and surface water sampling. **Section 4.0** discusses groundwater flow at the M-5 Landfill site. **Section 5.0** presents the chemical results of the groundwater and surface water sampling. **Section 6.0** discusses the progress of the remedial action and provides recommendations for the M-5 Landfill site.

2.0 SITE BACKGROUND

The following sections describe the site background of the M-5 Landfill site. Included is a description of the site location, site history and background investigations.

2.1 Site Location and Description

The M-5 Landfill site is located on the western portion of the Main Post, just west of the Eatontown/Oceanport Borough line (**Figure 2-1**). The site is located on the northwest corner of the intersection of North Drive and Wilson Avenue, and is bordered by Mill Creek and Parkers Creek to the west (**Figure 2-2**). The approximate area of the M-5 Landfill is 138,200 ft² (3.2 acres). The M-5 Landfill was constructed in a former swamp and was reportedly used for the disposal of automobiles as well as for domestic and industrial wastes (Weston, 1995). The environmental setting (regional/local geology and hydrogeology) of the M-5 Landfill site is described in the ATC RIR/RAWP, dated February 2000 (**Appendix A**).

2.2 Site History and Background Investigations

The U.S. Army Corps of Engineers (USACE), Baltimore District, initially contracted Weston to perform a field investigation at Fort Monmouth, New Jersey. Suspected hazardous waste sites were initially identified at Fort Monmouth in a report prepared by the U.S. Army Toxic and Hazardous Materials Agency (USATHAMA, 1980). The USATHAMA report identified 37 sites with known or suspected waste materials on the Main Post and the two subposts (Charles Wood and Evans Area). Roy F. Weston, Inc. (Weston) conducted a background investigation of the 37 sites, as well as eight additional sites that were identified by Fort Monmouth and the NJDEP. Weston's findings were described in a report titled, *Investigation of Suspected Hazardous Waste Sites at Fort Monmouth, New Jersey* (1993).

As part of a NJPDES permit, surface-water samples have been collected at two locations (one upstream on Mill Creek and one downstream on Lafetra Creek) since February 1986. The results indicated that one volatile organic compound (VOC), PCE, was detected at concentrations exceeding the NJDEP SWQS (Weston, 1995). In the background report, additional investigations (including sampling and other field work) were recommended at 22 of the sites on the Main Post and Charles Wood areas, including the M-5 Landfill site. NJDEP approved the recommendations on April 20, 1995.

The 1995 Weston Site Investigation (SI) Report presents the results of field investigation activities that were performed at 13 sites at the Main Post Area and eight sites at the Charles Wood Area. The results of the investigation of the M-5 Landfill site are included in the Weston SI report. Initial field investigation activities were performed between November 1994 and November 1995. The field investigation activities included surface geophysical investigations, sediment and surface water sampling, transformer site sampling, surface and subsurface soil sampling, groundwater monitoring well installation and sampling, and tidal monitoring. The Weston SI report was used as the basis for

subsequent remedial investigations at the Main Post and Charles Wood areas, which progressed to the development of remedial actions, including the remediation program at the M-5 Landfill site.

2.2.1 Site Investigation Report - Weston

In February 1995, Weston, as part of an SI of the M-5 Landfill site, conducted a surface geophysical investigation and a hydrogeologic interpretation of the fill site. Shallow monitoring wells, M5-MW10 (downgradient) and M5-MW11 (upgradient), were installed at strategic locations to monitor groundwater in the area. The monitoring wells were sampled twice for Target Compound List (TCL) plus 30 parameters (TCL+30), semi-volatile organic compounds (SVOCs), and Target Analyte List (TAL) metals, sulfate and cyanide.

Groundwater quality data for the two monitoring wells indicated that PCE exceeded the NJDEP GWQC in M5-MW11, the upgradient well, in both sampling rounds. There were no exceedences of the NJDEP GWQC for SVOCs, sulfate or cyanide. Four metals (aluminum, iron, manganese and sodium) were identified at concentrations exceeding the NJDEP GWQC.

The Weston SI Report also presented a DPW proposal for the M-5 Landfill site that was subsequently implemented. A long-term groundwater and surface water monitoring program was developed utilizing the existing monitoring wells and supplemental wells installed during follow-up investigations, as well as surface water sampling locations, to document and monitor surface water and groundwater quality over time.

2.2.2 Remedial Investigation/Remedial Action Work Plan - ATC

In April 1995, the DPW began its remedial investigation (RI) of the M-5 Landfill site at Fort Monmouth, Main Post. The purpose of this investigation was to collect samples to evaluate the soil, groundwater and surface water quality at and in the vicinity of the M-5 Landfill site, and to prepare a RAWP (**Appendix A**) to address the need for remediation of these media, if necessary. ATC was contracted by the DPW to evaluate the data collected during the remedial investigation.

The RI involved drilling and sampling 261 Geoprobe[®] locations for soil and groundwater, installing 12 new shallow groundwater monitoring wells (see Appendix B and Appendix D of the ATC RIR/RAWP presented in **Appendix A**), drilling three deep soil borings, and sampling two groundwater monitoring wells during 11 quarterly sampling events, three groundwater monitoring wells for six quarterly sampling events, and ten groundwater monitoring wells for three quarterly sampling events (see Tables 1 through 18 of the ATC RIR/RAWP presented in **Appendix A**). The results of this investigation indicate that the shallow groundwater contained VOCs, particularly PCE, which exceeded the NJDEP GWQC. Analytical results indicated that PCE concentrations in soil borings at the M-5 Landfill site were only marginally above NJDEP Impact to Groundwater Soil Cleanup Criteria (IGWSCC). The end result of the

RI identified PCE as a Contaminant of Concern (COC) in groundwater at the M-5 Landfill site.

The moderate concentrations and areal distribution of PCE in the soil and groundwater at the M-5 Landfill site suggest that this location is suitable for a bioremediation program. In general, PCE concentrations are expected to come into compliance with the NJDEP Class II GWQC within a five-year period. Although PCE concentrations are expected to naturally attenuate to acceptable levels, the DPW wishes to shorten the time required for compliance with the GWQC. Therefore, the DPW proposes to actively remediate existing concentrations of PCE by treating the affected areas with HRC[®]. The DPW proposed to treat seven PCE-affected areas with a specific HRC[®] application protocol. A groundwater sampling program was designed to measure the effectiveness of the HRC[®] treatment program and to monitor COC concentrations in groundwater (discussed further in **Section 3.0**). The RIR/RAWP was submitted by ATC in February 2000 and approved by the NJDEP in March 2001.

2.2.3 Remedial Investigation Report for Near-Surface Soils - Versar

Versar performed an RI for the M-5 Landfill site which included the 1995 Weston findings as well as data from recent surface soil sampling performed by the DPW. Sampling of the near surface soils was performed by the DPW to demonstrate compliance equivalence with respect to the Solid Waste Disposal Act of 1965. To characterize the near-surface soils, which cover the M-5 Landfill site, the DPW obtained samples from the top 2 feet of soil at 173 locations throughout the site, from April through August 1998. The sampling data did not identify a significant prevalent source of contamination exceeding the NJDEP Residential Direct Contact Soil Cleanup Criteria (RDCSCC). Only minor localized exceedences were identified after compliance averaging. Evaluation of the concentrations of organic and inorganic soil contaminants indicated that the site does not pose a risk from direct contact with surface and near-surface soils. No Further Action was recommended regarding the surface and near-surface soils throughout the M-5 Landfill site. These findings are described in detail in Versar's Remedial Investigation Report for Near-Surface Soils (March 2004).

2.2.4 Remedial Action Progress Report – Versar

After the first HRC[®] application to Site 812 and nine subsequent rounds of groundwater monitoring well sampling (3rd Quarter 2000 through 3rd Quarter 2002), an RAPR was prepared by Versar, dated December 2003. The RAPR documented the groundwater quality conditions over time and evaluated the impact of the HRC[®] injection program.

The initial injection of HRC[®] was performed by DPW using a GeoProbe[®] from September 2000 through December 2000 under the provisions of the NJDEP Permit-by-Rule program. The second injection of HRC[®] was performed by DPW from February 2002 through September 2002, also under the provisions of the NJDEP Permit-by-Rule program.

A decreasing trend of PCE concentrations in groundwater was observed at the site throughout the period of groundwater sampling. Similarly, concentrations of trichloroethene (TCE) and cis-1,2-dichloroethene (cis-1,2-DCE) were detected in groundwater during several sampling rounds at more than one monitoring well location. This evidence of an increase in daughter (e.g., breakdown) products supports the contention that PCE degradation is occurring at the M-5 Landfill site, presumably due to the effectiveness of the HRC[®] to support the degradation processes.

Based on the observed decreasing trend of PCE concentrations and the increased presence of degradation products in the groundwater, the HRC[®] subsurface injection program was continued.

3.0 REMEDIAL ACTIVITIES

In the RIR/RAWP for the M-5 Landfill site (ATC, 2000), sampling results indicated that the shallow groundwater contained PCE concentrations in excess of the NJDEP GWQC. Although PCE concentrations in groundwater are expected to gradually decrease through natural attenuation, the DPW implemented an anaerobic bioremediation program to actively address the PCE groundwater contamination at the M-5 Landfill site. This anaerobic bioremediation involved treatment of seven areas of chlorinated hydrocarbon contamination with HRC[®].

3.1 Hydrogen Release Compound[®] Injections

HRC[®] is a slow-release compound that provides a steady hydrogen source for between six months and one year, and has been shown to enhance the natural attenuation of PCE at study sites. HRC[®] is a proprietary, food quality, polylactate ester that, upon being deposited into the subsurface, creates anaerobic aquifer conditions and causes the release of hydrogen. Under anaerobic conditions, naturally occurring microorganisms use the hydrogen to progressively remove chlorine atoms from chlorinated hydrocarbons via reductive dechlorination.

The third HRC[®] injection for the remediation of the COC at the M-5 Landfill site used the methodology as described in the RAWP prepared by ATC, dated February 2000 (**Appendix A**) and was performed from June 2003 through August 2003. This HRC[®] direct injection program included seven distinct areas in and around the M-5 Landfill site, where elevated concentrations of PCE were detected in the shallow groundwater. These seven HRC[®] injection areas (HRC-1 through HRC-7) are illustrated in **Figure 3-1**. Placement of the treatment areas was intended to provide direct treatment of the areas of highest groundwater impact. The injection points were located within a 12 foot by 12 foot grid over each of the seven treatment areas. The injections were applied at a rate of 4 pounds per vertical foot using direct push technology through 1.25-inch (outer diameter) Geoprobe[®] rods to a depth approximately 15 feet below ground surface (bgs). After completion of each injection point, a high-pressure pump was used to inject the HRC[®] compounds from bottom to top. Approximately 8,670 pounds of HRC[®] was injected into the subsurface at the M-5 Landfill site during the third injection event.

Subsequent injections will be conducted periodically to achieve an overall reduction of PCE concentrations to below the NJDEP GWQC of 1.0 ug/L.

3.2 Discharge to Groundwater Permit

The purpose of the NJPDES DGW permit is to request formal approval of the HRC[®] subsurface injection program at the M-5 Landfill site as described in the RAWP prepared by ATC (**Appendix A**). The third injection (June-Aug 2003) was completed with the prior approval of the NJDEP under the provisions of a Permit by Rule agreement. VERSAR prepared the DGW permit application package in November 2001, which was subsequently presented to the NJDEP for approval.

As described in the ATC RAWP, the HRC[®] injections will not result in the discharge of any hazardous compounds. Because there is no influent or effluent associated with the injection of HRC[®] to groundwater, the HRC[®] and clean tap water are the only substances that will be injected into the aquifer. A Material Data Safety Sheet (MSDS) for the HRC[®] is presented in **Appendix B**.

4.0 MONITORING AND SAMPLING ACTIVITIES

As part of the approved RIR/RAWP implementation which consists of HRC[®] injection and evaluation, and a Long Term Monitoring (LTM) program, quarterly groundwater and surface water sampling was performed by DPW's base operations contractor, TECOM-Vinnell Services, Inc. (TVS) from 4th Quarter 2002 through 3rd Quarter 2003. Sampling activities were performed in accordance with the *Fort Monmouth Standard Sampling Operating Procedure* (December 1997). Laboratory analyses of the samples collected at the M-5 Landfill site were conducted at the Fort Monmouth Environmental Testing Laboratory (FMETL), a New Jersey certified laboratory (Certification No. 13461).

4.1 Groundwater Monitoring

During the groundwater sampling program at the M-5 Landfill site (four quarterly rounds from 4th Quarter 2002 through 3rd Quarter 2003), groundwater was encountered in the 12 monitoring wells at the M-5 Landfill site at depths ranging from 2.03 to 11.73 feet bgs (**Table 4-1**) with a varying gradient toward the southwest.

To determine if groundwater flow conditions have changed since the onset of remedial actions regarding groundwater contamination at the M-5 Landfill site, four groundwater elevation contour maps were generated based on groundwater depth measurements collected from 12 monitoring wells at the M-5 Landfill (wells M5-MW10, M5-MW11, M5-MW12, M5-MW13, M5-MW14, M5-MW15, M5-MW16, M5-MW18, M5-MW19, M5-MW20, M5-MW23, and M5-MW25). These contour maps (**Figure 4-1** through **Figure 4-4**) were constructed using static depth to water measurements (**Table 4-1**) observed within the same day.

The groundwater underlying the M-5 Landfill site consistently flows to the southwest towards Parkers Creek at elevations ranging from 2.32 to 10.13 feet above mean sea level (amsl) with site gradients ranging from 0.0095 feet per foot on January 22, 2003 and April 21, 2003 to 0.0131 feet per foot on October 28, 2002. No significant variations in groundwater flow conditions were observed in these four groundwater contour maps.

4.2 Groundwater Sampling

Quarterly groundwater sampling was performed by the DPW at the M-5 Landfill site from 4th Quarter 2002 through 3rd Quarter 2003 as part of the ongoing groundwater monitoring and sampling program approved by the NJDEP. Groundwater samples were collected from 12 monitoring wells (M5-MW10, M5-MW11, M5-MW12, M5-MW13, M5-MW14, M5-MW15, M5-MW16, M5-MW18, M5-MW19, M5-MW20, M5-MW23 and M5-MW25) during four quarterly sampling events performed during the last reporting period.

A total of 48 groundwater samples were collected using protocols as described in the *New Jersey DEP Field Sampling Procedures Manual* (1992). The samples were analyzed for

VOCs plus 15 tentatively identified compounds (TICs), SVOCs plus 15 TICs, pesticides, polychlorinated biphenyls (PCBs) and TAL metals.

Sampling equipment was thoroughly decontaminated before and after each use, in accordance with the *Fort Monmouth Standard Sampling Operating Procedure* (1997). Following collection, the groundwater samples were immediately placed in laboratory-supplied bottleware. The sample containers were labeled, sealed, packed in ice and transported to the FMETL under proper chain-of-custody procedures.

Copies of the chain-of-custody forms for the laboratory analyses and laboratory data sheets are presented in **Appendix C**. A summary of the groundwater sampling activities, including rounds, well IDs, sample IDs, sample locations, collection/analysis date, analytical parameters and analysis method, is provided in **Table 4-2**. **Figure 2-2** shows the locations of the monitoring wells at the M-5 Landfill site. The results of these analyses are discussed in **Section 5.1**.

4.3 Surface Water Sampling

Surface water sampling was conducted by the DPW from 4th Quarter 2002 through 3rd Quarter 2003. A total of 16 surface water samples were collected over four rounds of sampling from four distinct surface water sample collection points (SS-4, SS-5, SS-15 and SS-16). **Figure 2-2** shows the locations of the surface water sample collection points at the M-5 Landfill site. The samples were analyzed by FMETL for VOCs plus 15 TICs, pesticides and PCBs. The results of these analyses are discussed in **Section 5.2**.

Sampling equipment was thoroughly decontaminated before and after each use, in accordance with the *Fort Monmouth Standard Sampling Operating Procedure* (1997). The surface water samples were collected and immediately placed in laboratory-supplied bottleware. The sample containers were labeled, sealed, packed in ice and transported to the FMETL under proper chain-of-custody procedures.

Copies of the chain-of-custody forms and the laboratory analyses are presented in **Appendix D**. A summary of the surface water sampling activities, including rounds, sample IDs, stream sampling locations, collection/analysis date, analytical parameters and analysis method is provided in **Table 4-3**.

5.0 SITE CHEMICAL RESULTS

This section includes a summary discussion of the chemical characterization of the site based on the various samples collected and analyzed, including four quarterly rounds of monitoring well samples and four rounds of surface water samples. Sample analyses were performed by the FMETL.

5.1 Groundwater Sampling Results

A total of 48 quarterly groundwater samples were collected to evaluate the effectiveness of the HRC injection and LTM program with respect to PCE contamination at the M-5 Landfill site. The laboratory analytical results for each monitoring well are summarized in **Table 5-1** through **Table 5-12**. This section presents a summary of the laboratory results performed for the four rounds of groundwater samples collected from 4th Quarter 2002 through 3rd Quarter 2003. Groundwater samples were collected from the 12 monitoring wells (M5-MW10, M5-MW11, M5-MW12, M5-MW13, M5-MW14, M5-MW15, M5-MW16, M5-MW18, M5-MW19, M5-MW20, M5-MW23 and M5-MW25) at the M-5 Landfill site. The groundwater samples were collected and analyzed for VOCs plus 15 TICs, SVOCs plus 15 TICs, pesticides, PCBs and TAL metals.

Analytes detected in groundwater samples at concentrations above the NJDEP GWQC are highlighted **Table 5-1** through **Table 5-12**. The laboratory chain of custody forms and laboratory data sheets for groundwater samples are provided in **Appendix C**. Historical groundwater monitoring well sampling results, conducted between May 1997 and September 1999, are presented in Table 3 through Table 17 in the ATC RAWP in **Appendix A**. **Figure 5-1** shows the groundwater contaminant distribution of the current data within the area of the M-5 Landfill site, including the historical groundwater sampling results.

During four quarterly sampling events conducted from 4th Quarter 2002 through 3rd Quarter 2003, a total of six VOCs were detected in site groundwater. Three VOCs were detected at concentrations that exceed the respective GWQC in at least one sample, while the remaining three VOCs were detected below the respective GWQC. A total of two SVOCs were detected in site groundwater at concentrations below the respective GWQC. No pesticides or PCBs were detected in site groundwater. A total of 20 metals were detected in site groundwater. Seven metals were detected at concentrations that exceed the respective GWQC in at least one sample, while the remaining 13 metals were detected below the respective GWQC. A groundwater exceedence summary is presented in **Table 5-13**.

The following sections present the analytes detected above the GWQC found in the groundwater at the M-5 Landfill site.

5.1.1 Contaminant of Concern

Based on the ATC RIR/RAWP (2000), PCE is considered to be the only COC at the M-5 Landfill site. **Figure 5-2** through **Figure 5-7** present the trend of PCE concentrations detected in groundwater monitoring wells M5-MW11, M5-MW16, M5-MW18, M5-MW19, M5-MW20 and M5-MW23 over time. PCE was not detected in the remaining monitoring wells. The following paragraphs present the results of the COC, PCE, and its daughter products [trichloroethene (TCE) and cis-1,2-dichloroethene (cis-1,2-DCE)] detected above the GWQC found in the groundwater at the M-5 Landfill site. **Section 6.0** presents the discussion of the PCE trend occurring in relation to the progress of the HRC remediation program at the M-5 Landfill site.

PCE was detected at concentrations above the GWQC of 1.0 ug/L during four separate rounds of sampling collected from five separate monitoring well locations. Concentrations ranged from 1.01 ug/L in M5-MW19 (sampling round #17) to 79.46 ug/L in M5-MW23 (sampling round #15).

TCE was detected at concentrations exceeding the GWQC of 1.0 ug/L during four separate rounds of sampling collected at three separate monitoring well locations. Concentrations ranged from 1.06 ug/L in M5-MW11 (sampling round #15) to 5.61 ug/L in M5-MW16 (sampling round #17).

cis-1,2-DCE was detected at concentrations exceeding the GWQC of 10 ug/L during four separate rounds of sampling collected at one monitoring well location (M5-MW16). Concentrations ranged from 16.12 ug/L (sampling round #16) to 103.82 ug/L (sampling round #14).

5.1.2 Remaining Analyte Exceedences

The remaining contaminants, detected above the GWQC, occur at low to moderate concentrations in a limited number of groundwater monitoring well samples collected during this reporting period. **Sections 5.1.2.1** through **5.1.2.4** summarize these results.

5.1.2.1 Volatile Organic Compounds

No other VOCs were detected above the appropriate GWQC at the site.

5.1.2.2 Semi-Volatile Organic Compounds

No SVOCs were detected above the appropriate GWQC at the site.

5.1.2.3 Pesticides and PCBs

No pesticides or PCBs were detected above the appropriate GWQC at the site.

5.1.2.4 TAL Metals

During four quarterly sampling events conducted from 4th Quarter 2002 through 3rd Quarter 2003, a total of seven metals (aluminum, arsenic, barium, cadmium, iron, manganese and sodium) were detected in site groundwater at concentrations that exceed the respective GWQC in at least one sample.

Aluminum was detected at concentrations exceeding the GWQC of 200 ug/L during four separate rounds of sampling collected at ten separate monitoring well locations. Concentrations ranged from 202 ug/L in M5-MW11 (sampling round #15) to 6,920 ug/L in M5-MW23 (sampling round #15).

Arsenic was detected at concentrations exceeding the GWQC of 8.0 ug/L during four separate rounds of sampling collected at four separate monitoring well locations. Concentrations ranged from 8.1 ug/L in M5-MW19 (sampling round #14) to 86.7 ug/L in M5-MW23 (sampling round #15).

Barium was detected at concentrations exceeding the GWQC of 2,000 ug/L during one round of sampling collected at one monitoring well location at a concentration of 4,490 ug/L in M5-MW18 (sampling round #16).

Cadmium was detected at concentrations exceeding the GWQC of 4.0 ug/L during two separate rounds of sampling collected at two separate monitoring well locations. Concentrations ranged from 8.11 ug/L in M5-MW23 (sampling round #15) to 11.4 ug/L in M5-MW18 (sampling round #16).

Iron was detected at concentrations exceeding the GWQC of 300 ug/L during four separate rounds of sampling collected at 12 separate monitoring well locations. Concentrations ranged from 586 ug/L in M5-MW15 (sampling round #16) to 204,000 ug/L in M5-MW18 (sampling round #16).

Manganese was detected at concentrations exceeding the GWQC of 50 ug/L during four separate rounds of sampling collected at nine separate monitoring well locations. Concentrations ranged from 53.7 ug/L in M5-MW18 (sampling round #14) to 1,060 ug/L in M5-MW10 (sampling round #16).

Sodium was detected at concentrations exceeding the GWQC of 50,000 ug/L during four separate rounds of sampling collected at seven separate monitoring well locations. Concentrations ranged from 53,500 ug/L in M5-MW12 (sampling round #15) to 149,000 ug/L in M5-MW25 (sampling round #17).

5.2 Surface Water Sampling Results

A total of 16 quarterly surface water samples were collected by DPW to determine if PCE identified in groundwater has impacted the surface water quality at the M-5 Landfill site. The laboratory analytical results for each surface water site are summarized in

Table 5-14 through **Table 5-17**. This section presents a summary of the laboratory results performed for the four rounds of sampling collected from 4th Quarter 2002 through 3rd Quarter 2003. Surface water samples were collected from four distinct surface water sample collection points (SS-4, SS-5, SS-15 and SS-16) which are in proximity to the M-5 Landfill site. The surface water samples were collected and analyzed for VOC plus 15 TICs, pesticides and PCBs.

The stream sampling results were compared to the NJDEP SWQS. Analytes detected above the respective NJDEP SWQS are highlighted in **Table 5-14** through **Table 5-17**. Historical surface water stream sampling results, conducted between October 1996 and June 1999, are presented in Table 18 of the ATC RAWP in **Appendix A**. **Figure 5-1** shows the surface water stream sites contaminant distribution of the current data within the area of the M-5 Landfill site, including the historical surface water sampling results. The laboratory chain of custody forms for surface water samples are provided in **Appendix D**.

During four quarterly sampling events conducted from 4th Quarter 2002 through 3rd Quarter 2003, a total of three VOCs were detected in site surface water at concentrations below their respective SWQS. No pesticides or PCBs were detected in site surface water.

5.3 Quality Assurance/Quality Control (QA/QC)

In order to verify the reliability of the analytical results, Versar reviewed the holding times for each sample and the results of the analysis of seven method blanks for VOCs, four method blanks for SVOCs, four method blanks for pesticides and PCBs, four method blanks for TAL metals, four trip blanks, four field blanks, and four field duplicate samples. All samples were analyzed by the FMETL within the prescribed holding time requirements for each analytical method.

Method Blanks

Laboratory method blanks accompanied each batch of samples for the M-5 Landfill site. These method blanks consist of laboratory grade water that is processed identically to the samples and analyzed with the sample batch. A total of seven method blanks for VOCs, four method blanks for SVOCs, four method blanks for pesticides and PCBs and four method blanks for TAL metals were analyzed with the M-5 Landfill site samples.

No VOCs, SVOCs, pesticides or PCBs were detected in any method blank samples.

Several metals were detected in at least one method blank sample, including aluminum, antimony, arsenic, calcium, chromium, copper, magnesium, potassium, selenium and sodium. All of the metals were detected below their respective NJDEP criteria. Any subsequent evaluation of the metals analytical results must account for the possibility of laboratory contamination resulting in false positives for the environmental samples; however, metals are not the primary COCs for the M-5 Landfill site, so the impact to the project results is minimal.

Trip Blanks

Four trip blanks were included as part of the M-5 Landfill site sampling programs to document that volatile organics were not introduced into the samples during the handling process. The trip blanks were prepared by FMETL and consisted of sample bottles filled with laboratory deionized water. The trip blanks remained with the sample bottles in coolers and were returned to the laboratory for analysis with the groundwater samples.

One VOC, chloroform, was detected in each of the four trip blanks at concentrations below its NJDEP criteria. The detections of chloroform indicate that the sample handling procedures, including the sample glassware, may have introduced contamination into the sampling and analysis process. However, the primary contaminant of concern, PCE, was not detected in any of the trip blanks.

Field Blanks

One field blank sample was obtained during each day's sampling activities to document the equipment decontamination procedures. A total of four field samples (e.g., field blanks) were collected during the M-5 Landfill site sampling events. The field blanks were collected by rinsing deionized water, supplied by the laboratory, over the sampling equipment used for each day's activities. The water was collected in clean laboratory-supplied sample jars and submitted for analysis along with the M-5 Landfill site groundwater samples.

The results of the field blank analyses showed that one VOC, chloroform, was detected in each of the four field blanks. As noted for the trip blanks, the detections of chloroform indicate that the sample handling procedures, including the sample glassware, may have introduced contamination into the sampling and analysis process. In addition, the same VOC found in the field blanks were also found in the trip blanks, suggesting that the sampling and decontamination procedures did not introduce additional contamination. The primary contaminant of concern, PCE, was not detected in any of the field blanks.

As noted for the method blanks, several metals were detected in at least one field blank sample, including aluminum, barium, beryllium, calcium, copper, iron, lead, magnesium, manganese, potassium, selenium, sodium and zinc. Most of the metals were detected in only a few samples at very low concentrations. However, aluminum was detected in one field blank at a concentration greater than its NJDEP criteria. Because some of these metals were also detected in the method blank samples, the sampling and decontamination procedures do not appear to have been the source of sample contamination. However, any subsequent evaluation of the metals analytical results must account for the possibility of laboratory contamination resulting in false positives for the environmental samples.

Duplicate Samples

Four field duplicate samples were also collected during the M-5 Landfill site sampling events to verify the consistency of the entire sampling and analytical procedure. The results for all of the duplicate samples were close to those obtained for the original samples. The relative percent differences (RPDs) for the duplicate samples VOCs ranged

from 3.3% to 29.6%, and the RPDs for PCE ranged from 4.2% to 14.2%. These RPDs are well below the established limit of 30% for laboratory duplicate samples and indicate that a high level of precision was maintained throughout the sampling and analytical procedures.

The RPDs for the duplicate samples metals analyses ranged from 0.0% to 87.8%, however, the average RPD for all of the metals results is 15.3%. This indicates that, overall, good precision was maintained, but that the metals results were much more varied than those for the VOCs. The apparent metals contamination noted in the method and field blanks may have impacted the precision of the metals analysis.

The QC sample results indicate good precision for all of the analyses. However, the presence of metals in the method blanks and field blanks indicate that contamination may have been introduced by the sampling and analysis procedures. Therefore, any subsequent evaluation of the metals analytical results must account for the possibility of laboratory contamination resulting in false positives for the environmental samples.

6.0 REMEDIAL ACTION PROGRESS

The data support the effectiveness of HRC[®] treatment program. A general decreasing trend of PCE concentrations (**Figure 5-2** through **Figure 5-7**) was observed in groundwater monitoring wells M5-MW11, M5-MW18, M5-MW19, M5-MW20 and M5-MW23 during this period of groundwater sampling (4th Quarter 2002 through 3rd Quarter 2003).

6.1 Progress

As PCE continued to decrease over time, there was a significant increase in the daughter products - TCE and cis-1,2-DCE over time. The groundwater analytical results presented in **Table 5-1** through **5-12** indicate that concentrations of TCE and cis-1,2-DCE were detected in groundwater during several sampling rounds at more than one monitoring well location. **Figure 5-2** through **Figure 5-7** illustrated the decreasing trend of PCE concentrations as well as the increase of daughter product concentrations observed in groundwater monitoring wells M5-MW11, M5-MW18, M5-MW19, M5-MW20 and M5-MW23 during 4th Quarter 2002 through 3rd Quarter 2003 of groundwater sampling. Overall, the evidence of an increase in daughter products supports the contention that PCE degradation is occurring at the M-5 Landfill site.

Based on the general decreasing trend of PCE concentrations and the increasing indication of degradation products detected in the groundwater, as well as surface water sampling results for the M-5 Landfill site, the HRC[®] subsurface injection program appears to continue to be effective in remediating PCE contamination at this site.

6.2 Costs

The estimated costs for implementation of the remedial actions performed at the M-5 Landfill site per injection event are provided below:

Estimated Costs of Remedial Actions Performed at the M-5 Landfill Per Injection Event	
TASK	ESTIMATED COSTS
1. Third HRC [®] Injection (8,480 lbs)	\$ 51,900
2. Total Labor Cost	\$ 38,000
3. Laboratory Cost (one quarter)	\$ 10,300
TOTAL ESTIMATED COSTS	\$ 100,000

6.3 Discharge to Groundwater Permit

A NJPDES DGW permit application was submitted in November 2001 to obtain approval for continuation of the HRC[®] injection program at the M-5 Landfill site. The third round of HRC[®] injections commenced as of June 2003 as an extension of the NJDEP Permit by Rule approval. Subsequent injections will be performed under NJDEP regulatory requirements.

6.4 Recommendations

The HRC treatment program for the remediation of the PCE at the M-5 Landfill site will continue using the same methodology as during the first and second treatments, described in the RAWP prepared by ATC (**Appendix A**). A maximum of two treatments per year will follow. There are no recommendations for changes to the M-5 Landfill site remediation program at this time. The effectiveness of the HRC[®] treatment, methodologies, field activities and analytical data will continue to be reported to the NJDEP in progress reports. Groundwater and surface water monitoring and sampling will continue as part of the LTM Program at the installation. The final injection of HRC is expected to be performed in the fall of 2005.

The table below provides a summary of the proposed changes to the current quarterly groundwater and surface water sampling program at the M-5 Landfill site. Alterations involving laboratory analyses and the elimination of certain wells from the program are based on the distribution of PCE over time. Proposed changes will be implemented unless otherwise directed by the NJDEP.

Monitoring Well	Analyzed for	Future Sampling Status	Reason
M5-MW10	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	No COC exceedences for four rounds, but is downgradient of exceeding wells
M5-MW11	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	COC exceedences
M5-MW12	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	No COC exceedences for four rounds, but is downgradient of exceeding wells
M5-MW13	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	No COC exceedences for four rounds, but is downgradient of exceeding wells

Monitoring Well	Analyzed for	Future Sampling Status	Reason
M5-MW14	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	No COC exceedences for four rounds, but is downgradient of exceeding wells
M5-MW15	VOCs, SVOCs, pesticides, PCBs, Metals	Eliminate	No COC exceedences for four rounds, upgradient
M5-MW16	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	COC exceedences
M5-MW18	VOCs, SVOCs, pesticides, PCBs, Metals	Eliminate	No COC exceedences for four rounds, upgradient
M5-MW19	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	COC exceedences
M5-MW20	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	COC exceedences
M5-MW23	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	COC exceedences
M5-MW25	VOCs, SVOCs, pesticides, PCBs, Metals	Eliminate	No COC exceedences for four rounds, upgradient

Stream Site	Analyzed for	Future Sampling Status	Reason
SS-4	VOCs, pesticides, PCBs	Eliminate	COC detections; no exceedences for four rounds, but is downgradient of exceeding wells.
SS-5	VOCs, pesticides, PCBs	Continue VOCs Quarterly	COC detections; no exceedences for four rounds, but is downgradient of exceeding wells.
SS-15	VOCs, pesticides, PCBs	Continue VOCs Quarterly	COC detections; no exceedences for four rounds.
SS-16	VOCs, pesticides, PCBs	Eliminate	COC detections; no exceedences for four rounds.

7.0 REFERENCES

ATC Associates, Inc., February 2000, *Remedial Action Workplan – Landfill M-5, Main Post, Fort Monmouth, New Jersey.*

U.S. Army Garrison, Fort Monmouth, Directorate of Public Works (DPW), December 1997, *Fort Monmouth Standard Sampling Operating Procedure*, New Jersey.

U.S. Geological Survey, Photorevised 1989, *Long Branch Quadrangle Map.*

Versar Inc. (VERSAR), 24 September, 2001, *Remedial Action Workplan for the M-5 Landfill Remedial Action Progress Report, Fort Monmouth, New Jersey.*

Weston (Roy F. Weston, Inc.), December 1995, *Site Investigation Report – Main Post and Charles Wood Areas, Fort Monmouth, New Jersey.*

Wiedemeier, T.H., Rifai, H.S., Newell, C.J., and Wilson, J.T., 1999. *Natural Attenuation of Fuels and Chlorinated Solvents in the Subsurface.* John Wiley and Sons, New York.

TABLES

**Table 4-1
Groundwater Elevation Summary
M-5 Landfill
Fort Monmouth, New Jersey**

Groundwater Sampling Round:											
			#14			#15			#16		
Well ID	Elev. of Inner Casing Survey Mark	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	
M5-MW10	6.91	10/28/02	4.14	2.77	01/22/03	4.43	2.48	04/21/03	4.07	2.84	
M5-MW11	11.70	10/28/02	6.81	4.89	01/22/03	7.00	4.70	04/21/03	6.70	5.00	
M5-MW12	8.58	10/28/02	5.60	2.98	01/22/03	5.95	2.63	04/21/03	5.53	3.05	
M5-MW13	5.42	10/28/02	2.08	3.34	01/22/03	2.37	3.05	04/21/03	2.03	3.39	
M5-MW14	5.74	10/28/02	2.29	3.45	01/22/03	3.42	2.32	04/21/03	3.17	2.57	
M5-MW15	17.40	10/28/02	7.87	9.53	01/22/03	7.91	9.49	04/21/03	7.27	10.13	
M5-MW16	15.18	10/28/02	6.84	8.34	01/22/03	6.45	8.73	04/21/03	6.04	9.14	
M5-MW18	14.47	10/28/02	6.76	7.71	01/22/03	6.99	7.48	04/21/03	6.72	7.75	
M5-MW19	14.02	10/28/02	6.47	7.55	01/22/03	6.58	7.44	04/21/03	6.35	7.67	
M5-MW20	12.64	10/28/02	5.45	7.19	01/22/03	5.73	6.91	04/21/03	5.47	7.17	
M5-MW23	13.00	10/28/02	7.72	5.28	01/22/03	7.75	5.25	04/21/03	7.54	5.46	
M5-MW25	18.01	10/28/02	10.93	7.08	01/22/03	10.75	7.26	04/21/03	10.60	7.41	

Notes:

- 1) Elev.: Elevation in feet above mean sea level.
- 2) Depth to water: depth in feet from the inner casing survey mark.

**Table 4-1
Groundwater Elevation Summary
M-5 Landfill
Fort Monmouth, New Jersey**

Groundwater Sampling Round: #17

Well ID	Elev. of Inner Casing Survey Mark	Date	Depth to Water	Ground-water Elev.	Min. Depth to Water	Min. Ground-water Elev.	Max. Depth to Water	Max. Ground-water Elev.	Average Groundwater Elev.
M5-MW10	6.91	07/30/03	4.48	2.43	4.07	2.43	4.48	2.84	2.63
M5-MW11	11.70	07/30/03	7.38	4.32	6.70	4.32	7.38	5.00	4.73
M5-MW12	8.58	07/30/03	6.08	2.50	5.53	2.50	6.08	3.05	2.79
M5-MW13	5.42	07/30/03	2.80	2.62	2.03	2.62	2.80	3.39	3.10
M5-MW14	5.74	07/30/03	3.37	2.37	2.29	2.32	3.42	3.45	2.68
M5-MW15	17.40	07/30/03	8.97	8.43	7.27	8.43	8.97	10.13	9.40
M5-MW16	15.18	07/30/03	7.05	8.13	6.04	8.13	7.05	9.14	8.59
M5-MW18	14.47	07/30/03	7.48	6.99	6.72	6.99	7.48	7.75	7.48
M5-MW19	14.02	07/30/03	7.12	6.90	6.35	6.90	7.12	7.67	7.39
M5-MW20	12.64	07/30/03	6.15	6.49	5.45	6.49	6.15	7.19	6.94
M5-MW23	13.00	07/30/03	8.44	4.56	7.54	4.56	8.44	5.46	5.14
M5-MW25	18.01	07/30/03	11.73	6.28	10.60	6.28	11.73	7.41	7.01

Notes:

- 1) Elev.: Elevation in feet above mean sea level.
- 2) Depth to water: depth in feet from the inner casing survey mark.

Entire Site:			
2.03	2.32	11.73	10.13

Table 4-2
Groundwater Sampling Summary
Site M-5
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#14	M5MW10	2076004	10/28/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW11	2076005	10/28/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW12	2076006	10/28/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW13	2076007	10/28/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW14	2076008	10/28/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW15	2076009	10/28/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW16	2076010	10/28/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW18	2076011	10/28/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW19	2076012	10/28/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW20	2076013	10/28/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW23	2076014	10/28/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW25	2076015	10/28/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
#15	M5MW10	3003204	1/22/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW11	3003205	1/22/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW12	3003206	1/22/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW13	3003207	1/22/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW14	3003208	1/22/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW15	3003209	1/22/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW16	3003210	1/22/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW18	3003211	1/22/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW19	3003212	1/22/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW20	3003213	1/22/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW23	3003214	1/22/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW25	3003215	1/22/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
#16	M5MW10	3018004	4/21/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW11	3018005	4/21/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW12	3018006	4/21/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW13	3018007	4/21/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW14	3018008	4/21/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW15	3018009	4/21/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW16	3018010	4/21/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW18	3018011	4/21/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;

Notes: Metals = Target Analyte List Metals
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
Pest/PCBs = Pesticides/Polychlorinated Biphenyls

Table 4-2
Groundwater Sampling Summary
Site M-5
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
	M5MW19	3018012	4/21/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW20	3018013	4/21/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW23	3018014	4/21/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW25	3018015	4/21/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
#17	M5MW10	3043904	7/30/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW11	3043905	7/30/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW12	3043906	7/30/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW13	3043907	7/30/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW14	3043908	7/30/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW15	3043909	7/30/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW16	3043910	7/30/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW18	3043911	7/30/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW19	3043912	7/30/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW20	3043913	7/30/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW23	3043914	7/30/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M5MW25	3043915	7/30/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;

Notes: Metals = Target Analyte List Metals
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
Pest/PCBs = Pesticides/Polychlorinated Biphenyls

Table 4-3
Surface Water Sampling Summary
Site M-5
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#29	SS-4	2078012	11/4/2002	Aqueous	Pest/PCBs; VOCs	Method 608; Method 601/602, Method 624, Method 8260, Method 8260A
	SS-5	2078014	11/4/2002	Aqueous	Pest/PCBs; VOCs	Method 608; Method 601/602, Method 624, Method 8260, Method 8260A
	SS-15	2078707	11/5/2002	Aqueous	Pest/PCBs; VOCs	Method 608; Method 601/602, Method 624, Method 8260, Method 8260A
	SS-16	2078710	11/5/2002	Aqueous	Pest/PCBs; VOCs	Method 608; Method 601/602, Method 624, Method 8260, Method 8260A
#30	SS-16	3011813	3/13/2003	Aqueous	Pest/PCBs; VOCs	Method 608; Method 601/602, Method 624, Method 8260, Method 8260A
	SS-4	3011817	3/13/2003	Aqueous	Pest/PCBs; VOCs	Method 608; Method 601/602, Method 624, Method 8260, Method 8260A
	SS-5	3011818	3/13/2003	Aqueous	Pest/PCBs; VOCs	Method 608; Method 601/602, Method 624, Method 8260, Method 8260A
	SS-15	3013404	3/24/2003	Aqueous	Pest/PCBs; VOCs	Method 608; Method 601/602, Method 624, Method 8260, Method 8260A
#31	SS-15	3024712	5/21/2003	Aqueous	Pest/PCBs; VOCs	Method 608; Method 601/602, Method 624, Method 8260, Method 8260A
	SS-16	3024714	5/21/2003	Aqueous	Pest/PCBs; VOCs	Method 608; Method 601/602, Method 624, Method 8260, Method 8260A
	SS-5	3024715	5/21/2003	Aqueous	Pest/PCBs; VOCs	Method 608; Method 601/602, Method 624, Method 8260, Method 8260A
	SS-4	3024716	5/21/2003	Aqueous	Pest/PCBs; VOCs	Method 608; Method 601/602, Method 624, Method 8260, Method 8260A
#32	SS-4	3059215	9/17/2003	Aqueous	Pest/PCBs; VOCs	Method 608; Method 601/602, Method 624, Method 8260, Method 8260A
	SS-5	3059216	9/17/2003	Aqueous	Pest/PCBs; VOCs	Method 608; Method 601/602, Method 624, Method 8260, Method 8260A
	SS-16	3059217	9/17/2003	Aqueous	Pest/PCBs; VOCs	Method 608; Method 601/602, Method 624, Method 8260, Method 8260A
	SS-15	3059220	9/17/2003	Aqueous	Pest/PCBs; VOCs	Method 608; Method 601/602, Method 624, Method 8260, Method 8260A

Notes: Metals = Target Analyte List Metals
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
Pest/PCBs = Pesticides/Polychlorinated Biphenyls

Table 5-1
Groundwater Sampling Results
Site M-5
Fort Monmouth, New Jersey

Round	Criterion	Units	#14	#15	#16	#17
WELL ID			M5MW10	M5MW10	M5MW10	M5MW10
Date Collected			10/28/2002	1/22/2003	4/21/2003	7/30/2003
ANALYTE / Lab ID			2076004	3003204	3018004	3043904

VOCs

ANALYTE	Criterion	Units	#14	#15	#16	#17
2-Butanone	300	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ug/l	ND	ND	ND	ND
Tetrachloroethene	1	ug/l	ND	ND	ND	ND
Trichloroethene	1	ug/l	ND	ND	ND	ND

SVOCs

ANALYTE	Criterion	Units	#14	#15	#16	#17
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND

Metals

ANALYTE	Criterion	Units	#14	#15	#16	#17
Aluminum	200	ug/l	281	306	241	93.2
Antimony	20	ug/l	ND	5.95	ND	ND
Arsenic	8	ug/l	4.68	2.65	ND	ND
Barium	2000	ug/l	66.7	183	172	55.9
Beryllium	20	ug/l	ND	ND	ND	ND
Cadmium	4	ug/l	ND	1.13	1.49	0.545
Calcium	NLE	ug/l	15700	14900	29400	11400
Chromium	100	ug/l	2.45	5.53	1.46	2.23
Cobalt	100 *	ug/l	ND	ND	3.37	ND
Copper	1000	ug/l	10.8	6.26	8.87	3.78
Iron	300	ug/l	6260	17100	15400	4280
Lead	10	ug/l	4.45	3.39	2.34	ND
Magnesium	NLE	ug/l	9840	10800	18000	13700
Manganese	50	ug/l	304	252	1060	106
Nickel	100	ug/l	ND	ND	3.59	ND
Potassium	NLE	ug/l	7580	7500	6630	15600
Selenium	50	ug/l	7.86	ND	ND	6.64
Sodium	50000	ug/l	57600	43100	93800	26100
Vanadium	NLE	ug/l	1.49	2.27	1.39	1.49
Zinc	5000	ug/l	38.2	27.7	99.3	26.8

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
 PCBs = polychlorinated biphenyls; MDL = Method Detection Limit;
 ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable;
 Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion;
 Criterion = GW Criterion; NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6.

Table 5-2
Groundwater Sampling Results
Site M-5
Fort Monmouth, New Jersey

Round			#14	#15	#16	#17
WELL ID			M5MW11	M5MW11	M5MW11	M5MW11
Date Collected			10/28/2002	1/22/2003	4/21/2003	7/30/2003
ANALYTE / Lab ID	Criterion	Units	2076005	3003205	3018005	3043905
VOCs						
2-Butanone	300	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ug/l	ND	ND	ND	ND
Tetrachloroethene	1	ug/l	8.14	5.2	4.5	5.74
Trichloroethene	1	ug/l	ND	1.06	ND	1.42
SVOCs						
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	111	202	185	240
Antimony	20	ug/l	2.23	ND	ND	ND
Arsenic	8	ug/l	3.04	2.6	2.8	4.12
Barium	2000	ug/l	15.4	5.68	6.33	8.91
Beryllium	20	ug/l	ND	ND	ND	ND
Cadmium	4	ug/l	ND	ND	0.51	0.759
Calcium	NLE	ug/l	17600	11800	14400	20500
Chromium	100	ug/l	2.26	2.49	1.75	3.03
Cobalt	100 *	ug/l	ND	ND	ND	2.03
Copper	1000	ug/l	ND	ND	1.15	1.54
Iron	300	ug/l	2240	5250	4000	11100
Lead	10	ug/l	1.84	ND	ND	0.804
Magnesium	NLE	ug/l	4130	3610	4890	7710
Manganese	50	ug/l	15.8	15.6	22.3	69
Nickel	100	ug/l	ND	ND	1.27	2.78
Potassium	NLE	ug/l	3740	1950	1840	3690
Selenium	50	ug/l	5.26	ND	ND	ND
Sodium	50000	ug/l	13000	13400	16600	47300
Vanadium	NLE	ug/l	2.03	8.52	3.92	8.22
Zinc	5000	ug/l	79.8	75.7	101	111

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polychlorinated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable;
Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion;
Criterion = GW Criterion; NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6.

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Sample Group # 4
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Table 5-3
Groundwater Sampling Results
Site M-5
Fort Monmouth, New Jersey

Round	Criterion	Units	#14	#15	#16	#17
WELL ID			M5MW12	M5MW12	M5MW12	M5MW12
Date Collected			10/28/2002	1/22/2003	4/21/2003	7/30/2003
ANALYTE / Lab ID			2076006	3003206	3018006	3043906
VOCs						
2-Butanone	300	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ug/l	ND	ND	ND	ND
Tetrachloroethene	1	ug/l	ND	ND	ND	ND
Trichloroethene	1	ug/l	ND	ND	ND	ND
SVOCs						
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	1.3	1.3	ND	ND
Metals						
Aluminum	200	ug/l	90.9	830	639	1310
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	ND	ND	ND	ND
Barium	2000	ug/l	11.6	24.6	29.3	56.8
Beryllium	20	ug/l	ND	ND	ND	0.0923
Cadmium	4	ug/l	ND	0.646	1.07	1.01
Calcium	NLE	ug/l	18600	18900	20100	22700
Chromium	100	ug/l	1.95	7.71	6.11	13.3
Cobalt	100 *	ug/l	ND	ND	ND	ND
Copper	1000	ug/l	5.87	13.3	7.5	3.01
Iron	300	ug/l	6090	10700	13000	19500
Lead	10	ug/l	2.12	4.16	1.72	2.15
Magnesium	NLE	ug/l	27700	25900	26300	32600
Manganese	50	ug/l	54.6	45.9	67.1	81.1
Nickel	100	ug/l	ND	ND	ND	1.47
Potassium	NLE	ug/l	20700	20100	18600	23700
Selenium	50	ug/l	10.6	4.1	ND	ND
Sodium	50000	ug/l	61100	53500	49400	76200
Vanadium	NLE	ug/l	1.35	5.02	3.7	7.58
Zinc	5000	ug/l	5.69	31.3	16.4	36.5

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polychlorinated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable;
Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion;
Criterion = GW Criterion; NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6.

Table 5-4
Groundwater Sampling Results
Site M-5
Fort Monmouth, New Jersey

Round	Criterion	Units	#14	#15	#16	#17
WELL ID			M5MW13	M5MW13	M5MW13	M5MW13
Date Collected			10/28/2002	1/22/2003	4/21/2003	7/30/2003
ANALYTE / Lab ID			2076007	3003207	3018007	3043907
VOCs						
2-Butanone	300	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	2.3	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ug/l	ND	ND	ND	ND
Tetrachloroethene	1	ug/l	ND	ND	ND	ND
Trichloroethene	1	ug/l	ND	ND	ND	ND
SVOCs						
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	1.45	1.14	ND	ND
Metals						
Aluminum	200	ug/l	132	246	152	449
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	ND	ND	ND	ND
Barium	2000	ug/l	105	132	133	142
Beryllium	20	ug/l	ND	ND	ND	0.375
Cadmium	4	ug/l	ND	1.64	1.54	0.99
Calcium	NLE	ug/l	21700	19100	25800	30300
Chromium	100	ug/l	1.94	3.56	1.64	2.55
Cobalt	100 *	ug/l	ND	0.685	ND	3.91
Copper	1000	ug/l	ND	2.52	ND	4.84
Iron	300	ug/l	10900	29600	20900	16100
Lead	10	ug/l	2.02	3.26	ND	ND
Magnesium	NLE	ug/l	15500	11300	15200	3530
Manganese	50	ug/l	364	339	415	236
Nickel	100	ug/l	ND	ND	ND	15.4
Potassium	NLE	ug/l	6960	5090	5430	3980
Selenium	50	ug/l	7.1	ND	ND	ND
Sodium	50000	ug/l	92700	67000	89600	71400
Vanadium	NLE	ug/l	1.53	3.49	2.06	2.02
Zinc	5000	ug/l	104	20.1	7.67	65

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polychlorinated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable;
Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion;
Criterion = GW Criterion; NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6.

Table 5-5
Groundwater Sampling Results
Site M-5
Fort Monmouth, New Jersey

Round	Criterion	Units	#14	#15	#16	#17
WELL ID			M5MW14	M5MW14	M5MW14	M5MW14
Date Collected			10/28/2002	1/22/2003	4/21/2003	7/30/2003
ANALYTE / Lab ID			2076008	3003208	3018008	3043908

VOCs

ANALYTE / Lab ID	Criterion	Units	#14	#15	#16	#17
2-Butanone	300	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ug/l	ND	ND	ND	ND
Tetrachloroethene	1	ug/l	ND	ND	ND	ND
Trichloroethene	1	ug/l	ND	ND	ND	ND

SVOCs

ANALYTE / Lab ID	Criterion	Units	#14	#15	#16	#17
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND

Metals

ANALYTE / Lab ID	Criterion	Units	#14	#15	#16	#17
Aluminum	200	ug/l	18.3	72.5	174	60.8
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	ND	ND	ND	ND
Barium	2000	ug/l	50.4	217	210	75.5
Beryllium	20	ug/l	ND	ND	ND	ND
Cadmium	4	ug/l	ND	0.602	1.15	ND
Calcium	NLE	ug/l	42700	57900	58500	45100
Chromium	100	ug/l	1.97	2.35	3.81	ND
Cobalt	100 *	ug/l	8.54	2.8	ND	ND
Copper	1000	ug/l	ND	2.96	ND	1.22
Iron	300	ug/l	1110	20100	21100	3830
Lead	10	ug/l	ND	ND	ND	ND
Magnesium	NLE	ug/l	16600	18100	20900	16400
Manganese	50	ug/l	632	221	35.7	32.7
Nickel	100	ug/l	3.7	1.46	ND	ND
Potassium	NLE	ug/l	10500	10600	14000	12400
Selenium	50	ug/l	8.11	ND	ND	7.05
Sodium	50000	ug/l	36000	32400	9900	11200
Vanadium	NLE	ug/l	ND	0.686	0.819	0.496
Zinc	5000	ug/l	13.9	13.3	7.59	7.65

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polychlorinated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable;
Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion;
Criterion = GW Criterion; NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6.

Table 5-6
Groundwater Sampling Results
Site M-5
Fort Monmouth, New Jersey

Round	Criterion	Units	#14	#15	#16	#17
WELL ID			M5MW15	M5MW15	M5MW15	M5MW15
Date Collected			10/28/2002	1/22/2003	4/21/2003	7/30/2003
ANALYTE / Lab ID			2076009	3003209	3018009	3043909

VOCs

ANALYTE / Lab ID	Criterion	Units	#14	#15	#16	#17
2-Butanone	300	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ug/l	ND	ND	ND	ND
Tetrachloroethene	1	ug/l	ND	ND	ND	ND
Trichloroethene	1	ug/l	ND	ND	ND	ND

SVOCs

ANALYTE / Lab ID	Criterion	Units	#14	#15	#16	#17
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND

Metals

ANALYTE / Lab ID	Criterion	Units	#14	#15	#16	#17
Aluminum	200	ug/l	511	708	1790	1590
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	ND	ND	ND	ND
Barium	2000	ug/l	115	72.1	163	121
Beryllium	20	ug/l	1.4	1.14	2.22	2.28
Cadmium	4	ug/l	ND	ND	1.28	0.553
Calcium	NLE	ug/l	4980	6770	13000	11300
Chromium	100	ug/l	1.25	1.01	1.81	2.09
Cobalt	100 *	ug/l	7.22	8.04	17.2	12.5
Copper	1000	ug/l	ND	ND	ND	0.563
Iron	300	ug/l	797	276	586	2480
Lead	10	ug/l	1.32	ND	ND	ND
Magnesium	NLE	ug/l	9370	11300	24100	20100
Manganese	50	ug/l	15.5	17.5	34.7	28.9
Nickel	100	ug/l	13.2	16.9	33.9	23.9
Potassium	NLE	ug/l	4040	4210	4950	7280
Selenium	50	ug/l	3.44	ND	ND	5.03
Sodium	50000	ug/l	10700	11500	17700	16400
Vanadium	NLE	ug/l	ND	0.624	0.821	1.11
Zinc	5000	ug/l	87.7	108	221	152

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polychlorinated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable;
Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion;
Criterion = GW Criterion; NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6.

Table 5-7
Groundwater Sampling Results
Site M-5
Fort Monmouth, New Jersey

Round	Criterion	Units	#14	#15	#16	#17
WELL ID			M5MW16	M5MW16	M5MW16	M5MW16
Date Collected			10/28/2002	1/22/2003	4/21/2003	7/30/2003
ANALYTE / Lab ID			2076010	3003210	3018010	3043910

VOCs

ANALYTE / Lab ID	Criterion	Units	#14	#15	#16	#17
2-Butanone	300	ug/l	2.59	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ug/l	103.82	22.02	16.12	20.3
Tetrachloroethene	1	ug/l	42.41	31.09	8.5	18.57
Trichloroethene	1	ug/l	2.23	1.36	2.16	5.61

SVOCs

ANALYTE / Lab ID	Criterion	Units	#14	#15	#16	#17
4-Methylphenol	NLE *	ug/l	7.99	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND

Metals

ANALYTE / Lab ID	Criterion	Units	#14	#15	#16	#17
Aluminum	200	ug/l	446	301	280	258
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	27.3	12.6	13.6	4.38
Barium	2000	ug/l	233	135	154	258
Beryllium	20	ug/l	ND	ND	ND	0.166
Cadmium	4	ug/l	0.986	0.872	1.12	1.47
Calcium	NLE	ug/l	25500	15300	18700	34100
Chromium	100	ug/l	7.1	1.92	1.15	1.4
Cobalt	100 *	ug/l	6.28	2.09	1.9	2.29
Copper	1000	ug/l	ND	ND	ND	ND
Iron	300	ug/l	32300	14600	16400	44700
Lead	10	ug/l	1.6	ND	ND	ND
Magnesium	NLE	ug/l	10100	5350	6890	13700
Manganese	50	ug/l	85.6	45.2	84.7	136
Nickel	100	ug/l	15.3	7.06	7.31	9.46
Potassium	NLE	ug/l	5000	4750	4860	7210
Selenium	50	ug/l	4.27	ND	ND	ND
Sodium	50000	ug/l	43300	26800	25800	57800
Vanadium	NLE	ug/l	1.78	1.98	1.3	1.14
Zinc	5000	ug/l	32.8	36.3	17.1	57.1

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polychlorinated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable;
Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion;
Criterion = GW Criterion; NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6.

Table 5-8
Groundwater Sampling Results
Site M-5
Fort Monmouth, New Jersey

Round			#14	#15	#16	#17
WELL ID			M5MW18	M5MW18	M5MW18	M5MW18
Date Collected			10/28/2002	1/22/2003	4/21/2003	7/30/2003
ANALYTE / Lab ID	Criterion	Units	2076011	3003211	3018011	3043911
VOCs						
2-Butanone	300	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ug/l	ND	ND	ND	ND
Tetrachloroethene	1	ug/l	ND	ND	ND	ND
Trichloroethene	1	ug/l	ND	ND	ND	ND
SVOCs						
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	27.1	293	800	87.4
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	6.73	8.4	20.8	ND
Barium	2000	ug/l	78.9	561	4490	202
Beryllium	20	ug/l	ND	ND	0.62	ND
Cadmium	4	ug/l	ND	3.6	11.4	1.11
Calcium	NLE	ug/l	22200	27200	41500	27600
Chromium	100	ug/l	1.27	1.19	2.05	ND
Cobalt	100 *	ug/l	0.805	ND	ND	ND
Copper	1000	ug/l	ND	40.1	ND	ND
Iron	300	ug/l	13500	62100	204000	27900
Lead	10	ug/l	ND	4.38	5.65	ND
Magnesium	NLE	ug/l	4060	4580	5390	4920
Manganese	50	ug/l	53.7	65.5	137	58.5
Nickel	100	ug/l	ND	2.87	ND	1.06
Potassium	NLE	ug/l	7280	9430	10400	8700
Selenium	50	ug/l	3.59	ND	ND	ND
Sodium	50000	ug/l	9290	8490	8130	9810
Vanadium	NLE	ug/l	ND	ND	ND	0.408
Zinc	5000	ug/l	13.6	72.6	82.5	8.15

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polychlorinated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable;
Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion;
Criterion = GW Criterion; NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6.

Table 5-9
Groundwater Sampling Results
Site M-5
Fort Monmouth, New Jersey

Round	Criterion	Units	#14	#15	#16	#17
WELL ID			M5MW19	M5MW19	M5MW19	M5MW19
Date Collected			10/28/2002	1/22/2003	4/21/2003	7/30/2003
ANALYTE / Lab ID			2076012	3003212	3018012	3043912
VOCs						
2-Butanone	300	ug/l	3.93	1.18	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ug/l	2.28	ND	ND	ND
Tetrachloroethene	1	ug/l	5.1	1.54	1.73	1.01
Trichloroethene	1	ug/l	1	ND	ND	ND
SVOCs						
4-Methylphenol	NLE *	ug/l	3.13	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	73.6	33.7	97.4	71.3
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	8.1	ND	ND	2.37
Barium	2000	ug/l	69.1	48	52.5	65.8
Beryllium	20	ug/l	ND	ND	ND	ND
Cadmium	4	ug/l	ND	0.735	0.724	0.689
Calcium	NLE	ug/l	27500	22900	22100	28800
Chromium	100	ug/l	2.42	0.711	ND	ND
Cobalt	100 *	ug/l	ND	ND	ND	ND
Copper	1000	ug/l	ND	2.57	ND	ND
Iron	300	ug/l	21500	11700	11800	17600
Lead	10	ug/l	1.39	ND	ND	ND
Magnesium	NLE	ug/l	5410	4160	4090	5390
Manganese	50	ug/l	81.3	55	55.2	71.5
Nickel	100	ug/l	ND	ND	ND	ND
Potassium	NLE	ug/l	7280	8120	7780	8920
Selenium	50	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	9950	8420	8440	15300
Vanadium	NLE	ug/l	0.609	ND	ND	0.738
Zinc	5000	ug/l	ND	7.41	8.6	6.35

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polychlorinated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable;
Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion;
Criterion = GW Criterion; NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6.

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Table 5-10
Groundwater Sampling Results
Site M-5
Fort Monmouth, New Jersey

Round	Criterion	Units	#14	#15	#16	#17
WELL ID			M5MW20	M5MW20	M5MW20	M5MW20
Date Collected			10/28/2002	1/22/2003	4/21/2003	7/30/2003
ANALYTE / Lab ID			2076013	3003213	3018013	3043913
VOCs						
2-Butanone	300	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ug/l	ND	ND	ND	1.1
Tetrachloroethene	1	ug/l	12.99	27.87	27.99	15.26
Trichloroethene	1	ug/l	ND	ND	ND	ND
SVOCs						
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	6000	109	431	844
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	5.22	ND	ND	ND
Barium	2000	ug/l	22.1	9.36	30.7	11.3
Beryllium	20	ug/l	ND	ND	ND	0.0825
Cadmium	4	ug/l	ND	ND	ND	ND
Calcium	NLE	ug/l	11700	17100	63300	27800
Chromium	100	ug/l	40.3	1.4	3.3	6.62
Cobalt	100 *	ug/l	1.43	ND	ND	0.381
Copper	1000	ug/l	4.93	ND	ND	1.33
Iron	300	ug/l	11500	292	1370	4650
Lead	10	ug/l	4.41	ND	ND	ND
Magnesium	NLE	ug/l	4790	5050	19700	8670
Manganese	50	ug/l	19.6	9.34	32.9	22.8
Nickel	100	ug/l	3.36	1.53	3.21	2.08
Potassium	NLE	ug/l	4960	2440	3940	4090
Selenium	50	ug/l	4.13	ND	ND	6.37
Sodium	50000	ug/l	38000	57200	115000	92600
Vanadium	NLE	ug/l	21.7	1.04	2.23	4.63
Zinc	5000	ug/l	20.2	6.89	12.9	10

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
 PCBs = polychlorinated biphenyls; MDL = Method Detection Limit;
 ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable;
 Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion;
 Criterion = GW Criterion; NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6.

Table 5-11
Groundwater Sampling Results
Site M-5
Fort Monmouth, New Jersey

Round	Criterion	Units	#14	#15	#16	#17
WELL ID			M5MW23	M5MW23	M5MW23	M5MW23
Date Collected			10/28/2002	1/22/2003	4/21/2003	7/30/2003
ANALYTE / Lab ID			2076014	3003214	3018014	3043914
VOCs						
2-Butanone	300	ug/l	ND	ND	ND	2.75
Acetone	700	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ug/l	ND	ND	1.37	4.6
Tetrachloroethene	1	ug/l	ND	79.46	17.35	20.45
Trichloroethene	1	ug/l	ND	3.97	3.15	2.51
SVOCs						
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	100	6920	1060	255
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	16.5	86.7	13.2	13.3
Barium	2000	ug/l	5.5	39.1	15.7	119
Beryllium	20	ug/l	ND	0.57	ND	0.0632
Cadmium	4	ug/l	ND	8.11	1.93	1.45
Calcium	NLE	ug/l	8910	19300	8980	14200
Chromium	100	ug/l	2.4	72.5	12.9	3.55
Cobalt	100 *	ug/l	0.911	4.67	ND	ND
Copper	1000	ug/l	ND	ND	ND	ND
Iron	300	ug/l	14000	137000	37000	37800
Lead	10	ug/l	1.29	8.02	ND	ND
Magnesium	NLE	ug/l	2300	5710	2070	2990
Manganese	50	ug/l	24.3	49.2	22.2	37.7
Nickel	100	ug/l	ND	3.96	ND	0.89
Potassium	NLE	ug/l	1410	5610	3080	4470
Selenium	50	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	23900	96300	70100	31600
Vanadium	NLE	ug/l	2.17	50	8.82	2.6
Zinc	5000	ug/l	ND	35.3	15.2	9.86

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polychlorinated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable;
Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion;
Criterion = GW Criterion; NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6.

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Table 5-12
Groundwater Sampling Results
Site M-5
Fort Monmouth, New Jersey

Round	Criterion	Units	#14	#15	#16	#17
WELL ID			M5MW25	M5MW25	M5MW25	M5MW25
Date Collected			10/28/2002	1/22/2003	4/21/2003	7/30/2003
ANALYTE / Lab ID			2076015	3003215	3018015	3043915

VOCs

Analyte	Criterion	Units	#14	#15	#16	#17
2-Butanone	300	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ug/l	ND	ND	ND	ND
Tetrachloroethene	1	ug/l	ND	ND	ND	ND
Trichloroethene	1	ug/l	ND	ND	ND	ND

SVOCs

Analyte	Criterion	Units	#14	#15	#16	#17
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND

Metals

Analyte	Criterion	Units	#14	#15	#16	#17
Aluminum	200	ug/l	129	18.5	194	275
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	7.5	2.72	ND	ND
Barium	2000	ug/l	57.9	50.5	47.5	147
Beryllium	20	ug/l	ND	ND	ND	0.373
Cadmium	4	ug/l	1.25	1.53	0.84	1.02
Calcium	NLE	ug/l	13000	12200	9460	33300
Chromium	100	ug/l	5.8	7.09	9.55	1.99
Cobalt	100 *	ug/l	3.27	1.99	1.41	7.54
Copper	1000	ug/l	ND	30.8	25.9	4.77
Iron	300	ug/l	6510	12400	2500	2160
Lead	10	ug/l	ND	ND	ND	ND
Magnesium	NLE	ug/l	4370	4550	3480	17800
Manganese	50	ug/l	101	41.7	24.1	46.7
Nickel	100	ug/l	13	13.1	9.36	17.3
Potassium	NLE	ug/l	2890	3550	2410	5140
Selenium	50	ug/l	3.38	ND	ND	6.21
Sodium	50000	ug/l	49300	43500	35100	149000
Vanadium	NLE	ug/l	ND	1.08	0.88	1.07
Zinc	5000	ug/l	522	380	305	180

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polychlorinated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable;
Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion;
Criterion = GW Criterion; NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6.

Table 5-13
Groundwater Exceedance Summary
Site M-5
Fort Monmouth, New Jersey

Analyte	Criterion	Field ID	Round	Date Collected	Lab Sample ID	Result	Units			
VOCs										
cis-1,2-Dichloroethene	10	M5MW16	Maximum Result: 103.82					ug/l		
			#14	10/28/2002	2076010	103.82	ug/l			
			#15	1/22/2003	3003210	22.02	ug/l			
			#16	4/21/2003	3018010	16.12	ug/l			
		#17	7/30/2003	3043910	20.3	ug/l				
		Tetrachloroethene	1	M5MW11	Maximum Result: 8.14					ug/l
					#14	10/28/2002	2076005	8.14	ug/l	
					#15	1/22/2003	3003205	5.2	ug/l	
					#16	4/21/2003	3018005	4.5	ug/l	
				#17	7/30/2003	3043905	5.74	ug/l		
				M5MW16	Maximum Result: 42.41					ug/l
					#14	10/28/2002	2076010	42.41	ug/l	
					#15	1/22/2003	3003210	31.09	ug/l	
					#16	4/21/2003	3018010	8.5	ug/l	
				#17	7/30/2003	3043910	18.57	ug/l		
				M5MW19	Maximum Result: 5.1					ug/l
#14	10/28/2002				2076012	5.1	ug/l			
#15	1/22/2003				3003212	1.54	ug/l			
#16	4/21/2003				3018012	1.73	ug/l			
#17	7/30/2003			3043912	1.01	ug/l				
M5MW20	Maximum Result: 27.99					ug/l				
	#14			10/28/2002	2076013	12.99	ug/l			
	#15			1/22/2003	3003213	27.87	ug/l			
	#16			4/21/2003	3018013	27.99	ug/l			
#17	7/30/2003			3043913	15.26	ug/l				
M5MW23	Maximum Result: 79.46					ug/l				
	#15			1/22/2003	3003214	79.46	ug/l			
	#16			4/21/2003	3018014	17.35	ug/l			
#17	7/30/2003			3043914	20.45	ug/l				
Trichloroethene	1	M5MW11	Maximum Result: 1.42					ug/l		
			#15	1/22/2003	3003205	1.06	ug/l			
		#17	7/30/2003	3043905	1.42	ug/l				
		M5MW16	Maximum Result: 5.61					ug/l		
			#14	10/28/2002	2076010	2.23	ug/l			
			#15	1/22/2003	3003210	1.36	ug/l			
			#16	4/21/2003	3018010	2.16	ug/l			
		#17	7/30/2003	3043910	5.61	ug/l				
		M5MW23	Maximum Result: 3.97					ug/l		
			#15	1/22/2003	3003214	3.97	ug/l			
			#16	4/21/2003	3018014	3.15	ug/l			
		#17	7/30/2003	3043914	2.51	ug/l				
		Metals								
		Aluminum	200	M5MW10	Maximum Result: 306					ug/l
					#14	10/28/2002	2076004	281	ug/l	
					#15	1/22/2003	3003204	306	ug/l	
#16	4/21/2003				3018004	241	ug/l			

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds; PCBs = polychlorinated biphenyls; MDL = Method Detection Limit; ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable; Criterion = GW Criterion: NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6

Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion.

Table 5-13
Groundwater Exceedance Summary
Site M-5
Fort Monmouth, New Jersey

Analyte	Criterion	Field ID	Round	Date Collected	Lab Sample ID	Result	Units
Arsenic	8	M5MW11	Maximum Result: 240				ug/l
			#15	1/22/2003	3003205	202	ug/l
			#17	7/30/2003	3043905	240	ug/l
		M5MW12	Maximum Result: 1310				ug/l
			#15	1/22/2003	3003206	830	ug/l
			#16	4/21/2003	3018006	639	ug/l
		M5MW13	Maximum Result: 449				ug/l
			#15	1/22/2003	3003207	246	ug/l
			#17	7/30/2003	3043907	449	ug/l
		M5MW15	Maximum Result: 1790				ug/l
			#14	10/28/2002	2076009	511	ug/l
			#15	1/22/2003	3003209	708	ug/l
			#16	4/21/2003	3018009	1790	ug/l
		M5MW16	Maximum Result: 446				ug/l
			#14	10/28/2002	2076010	446	ug/l
			#15	1/22/2003	3003210	301	ug/l
			#16	4/21/2003	3018010	280	ug/l
		M5MW18	Maximum Result: 800				ug/l
			#15	1/22/2003	3003211	293	ug/l
			#16	4/21/2003	3018011	800	ug/l
			M5MW20	Maximum Result: 6000			
		#14		10/28/2002	2076013	6000	ug/l
		#16		4/21/2003	3018013	431	ug/l
		M5MW23	Maximum Result: 6920				ug/l
			#15	1/22/2003	3003214	6920	ug/l
			#16	4/21/2003	3018014	1060	ug/l
		M5MW25	Maximum Result: 275				ug/l
#17	7/30/2003		3043915	275	ug/l		
M5MW16	Maximum Result: 27.3				ug/l		
	#14	10/28/2002	2076010	27.3	ug/l		
	#15	1/22/2003	3003210	12.6	ug/l		
M5MW18	Maximum Result: 20.8				ug/l		
	#15	1/22/2003	3003211	8.4	ug/l		
	#16	4/21/2003	3018011	20.8	ug/l		
M5MW19	Maximum Result: 8.1				ug/l		
#14	10/28/2002	2076012	8.1	ug/l			
M5MW23	Maximum Result: 86.7				ug/l		
	#14	10/28/2002	2076014	16.5	ug/l		
	#15	1/22/2003	3003214	86.7	ug/l		
	#16	4/21/2003	3018014	13.2	ug/l		
#17	7/30/2003	3043914	13.3	ug/l			

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds; PCBs = polychlorinated biphenyls; MDL = Method Detection Limit;
 ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable;
 Criterion = GW Criterion: NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6
 Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion.

Table 5-13
Groundwater Exceedance Summary
Site M-5
Fort Monmouth, New Jersey

Analyte	Criterion	Field ID	Round	Date Collected	Lab Sample ID	Result	Units		
Barium	2000	M5MW18	Maximum Result: 4490				ug/l		
			#16	4/21/2003	3018011	4490	ug/l		
Cadmium	4	M5MW18	Maximum Result: 11.4				ug/l		
			#16	4/21/2003	3018011	11.4	ug/l		
			M5MW23	Maximum Result: 8.11				ug/l	
			#15	1/22/2003	3003214	8.11	ug/l		
Iron	300	M5MW10	Maximum Result: 17100				ug/l		
			#14	10/28/2002	2076004	6260	ug/l		
			#15	1/22/2003	3003204	17100	ug/l		
			#16	4/21/2003	3018004	15400	ug/l		
			#17	7/30/2003	3043904	4280	ug/l		
			M5MW11	Maximum Result: 11100				ug/l	
				#14	10/28/2002	2076005	2240	ug/l	
				#15	1/22/2003	3003205	5250	ug/l	
				#16	4/21/2003	3018005	4000	ug/l	
			M5MW12	Maximum Result: 19500				ug/l	
				#14	10/28/2002	2076006	6090	ug/l	
				#15	1/22/2003	3003206	10700	ug/l	
				#16	4/21/2003	3018006	13000	ug/l	
			M5MW13	Maximum Result: 29600				ug/l	
				#14	10/28/2002	2076007	10900	ug/l	
				#15	1/22/2003	3003207	29600	ug/l	
				#16	4/21/2003	3018007	20900	ug/l	
			M5MW14	Maximum Result: 21100				ug/l	
				#14	10/28/2002	2076008	1110	ug/l	
				#15	1/22/2003	3003208	20100	ug/l	
				#16	4/21/2003	3018008	21100	ug/l	
			M5MW15	Maximum Result: 2480				ug/l	
				#14	10/28/2002	2076009	797	ug/l	
				#16	4/21/2003	3018009	586	ug/l	
				#17	7/30/2003	3043909	2480	ug/l	
			M5MW16	Maximum Result: 44700				ug/l	
				#14	10/28/2002	2076010	32300	ug/l	
				#15	1/22/2003	3003210	14600	ug/l	
				#16	4/21/2003	3018010	16400	ug/l	
			M5MW18	Maximum Result: 204000				ug/l	
				#14	10/28/2002	2076011	13500	ug/l	
				#15	1/22/2003	3003211	62100	ug/l	
				#16	4/21/2003	3018011	204000	ug/l	
M5MW19	Maximum Result: 21500				ug/l				
	#14	10/28/2002	2076012	21500	ug/l				
			#15	1/22/2003	3003212	11700	ug/l		

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds; PCBs = polychlorinated biphenyls; MDL = Method Detection Limit;
 ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable;
 Criterion = GW Criterion: NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6
 Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion.

Table 5-13
Groundwater Exceedance Summary
Site M-5
Fort Monmouth, New Jersey

Analyte	Criterion	Field ID	Round	Date Collected	Lab Sample ID	Result	Units			
Manganese	50	M5MW20	#16	4/21/2003	3018012	11800	ug/l			
			#17	7/30/2003	3043912	17600	ug/l			
		Maximum Result: 11500						ug/l		
		M5MW23	#14	10/28/2002	2076013	11500	ug/l			
			#16	4/21/2003	3018013	1370	ug/l			
			#17	7/30/2003	3043913	4650	ug/l			
			Maximum Result: 137000						ug/l	
		M5MW25	#14	10/28/2002	2076014	14000	ug/l			
			#15	1/22/2003	3003214	137000	ug/l			
			#16	4/21/2003	3018014	37000	ug/l			
			#17	7/30/2003	3043914	37800	ug/l			
		Maximum Result: 12400						ug/l		
		M5MW10	#14	10/28/2002	2076015	6510	ug/l			
			#15	1/22/2003	3003215	12400	ug/l			
			#16	4/21/2003	3018015	2500	ug/l			
			#17	7/30/2003	3043915	2160	ug/l			
		Maximum Result: 1060						ug/l		
		M5MW11	#14	10/28/2002	2076004	304	ug/l			
			#15	1/22/2003	3003204	252	ug/l			
			#16	4/21/2003	3018004	1060	ug/l			
			#17	7/30/2003	3043904	106	ug/l			
		Maximum Result: 69						ug/l		
		M5MW12	#17	7/30/2003	3043905	69	ug/l			
			Maximum Result: 81.1						ug/l	
			#14	10/28/2002	2076006	54.6	ug/l			
		M5MW13	#16	4/21/2003	3018006	67.1	ug/l			
			#17	7/30/2003	3043906	81.1	ug/l			
			Maximum Result: 415						ug/l	
M5MW14	#14	10/28/2002	2076007	364	ug/l					
	#15	1/22/2003	3003207	339	ug/l					
	#16	4/21/2003	3018007	415	ug/l					
	#17	7/30/2003	3043907	236	ug/l					
Maximum Result: 632						ug/l				
M5MW16	#14	10/28/2002	2076008	632	ug/l					
	#15	1/22/2003	3003208	221	ug/l					
	Maximum Result: 136						ug/l			
M5MW18	#14	10/28/2002	2076010	85.6	ug/l					
	#16	4/21/2003	3018010	84.7	ug/l					
	#17	7/30/2003	3043910	136	ug/l					
Maximum Result: 137						ug/l				
M5MW19	#14	10/28/2002	2076011	53.7	ug/l					
	#15	1/22/2003	3003211	65.5	ug/l					
	#16	4/21/2003	3018011	137	ug/l					
	#17	7/30/2003	3043911	58.5	ug/l					
Maximum Result: 81.3						ug/l				
M5MW21	#14	10/28/2002	2076012	81.3	ug/l					
	#15	1/22/2003	3003212	55	ug/l					
	#16	4/21/2003	3018012	55.2	ug/l					
	#17	7/30/2003	3043912	71.5	ug/l					

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds; PCBs = polychlorinated biphenyls; MDL = Method Detection Limit;
 ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable;
 Criterion = GW Criterion: NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6
 Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion.

Table 5-13
 Groundwater Exceedance Summary
 Site M-5
 Fort Monmouth, New Jersey

Analyte	Criterion	Field ID	Round	Date Collected	Lab Sample ID	Result	Units	
Sodium	50000	M5MW25				Maximum Result: 101	ug/l	
		#14	10/28/2002	2076015	101	ug/l		
		M5MW10					Maximum Result: 93800	ug/l
		#14	10/28/2002	2076004	57600	ug/l		
		#16	4/21/2003	3018004	93800	ug/l		
		M5MW12					Maximum Result: 76200	ug/l
		#14	10/28/2002	2076006	61100	ug/l		
		#15	1/22/2003	3003206	53500	ug/l		
		#17	7/30/2003	3043906	76200	ug/l		
		M5MW13					Maximum Result: 92700	ug/l
		#14	10/28/2002	2076007	92700	ug/l		
		#15	1/22/2003	3003207	67000	ug/l		
		#16	4/21/2003	3018007	89600	ug/l		
		#17	7/30/2003	3043907	71400	ug/l		
		M5MW16					Maximum Result: 57800	ug/l
		#17	7/30/2003	3043910	57800	ug/l		
		M5MW20					Maximum Result: 115000	ug/l
		#15	1/22/2003	3003213	57200	ug/l		
		#16	4/21/2003	3018013	115000	ug/l		
		#17	7/30/2003	3043913	92600	ug/l		
M5MW23					Maximum Result: 96300	ug/l		
#15	1/22/2003	3003214	96300	ug/l				
#16	4/21/2003	3018014	70100	ug/l				
M5MW25					Maximum Result: 149000	ug/l		
#17	7/30/2003	3043915	149000	ug/l				

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds; PCBs = polychlorinated biphenyls; MDL = Method Detection Limit;
 ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable;
 Criterion = GW Criterion: NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6
 Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion.

Table 5-14
 Surface Water Sampling Results
 Site M-5
 Fort Monmouth, New Jersey

Round	Criterion	Units	#29	#30	#31	#32
WELL ID			SS-4	SS-4	SS-4	SS-4
Date Collected			11/4/2002	3/13/2003	5/21/2003	9/17/2003
ANALYTE / Lab ID			2078012	3011817	3024716	3059215

VOCs

Analyte	Criterion	Units	#29	#30	#31	#32
Acetone	NLE	ug/l	ND	ND	ND	ND
Benzene	71	ug/l	ND	ND	ND	ND
Carbon Disulfide	NLE	ug/l	ND	ND	ND	ND
Chlorobenzene	21000	ug/l	ND	ND	ND	ND
Chloroform	NLE	ug/l	ND	ND	ND	ND
cis-1,2-Dichloroethene	NLE	ug/l	ND	0.57	ND	1.14
Ethylbenzene	27900	ug/l	ND	ND	ND	ND
Methylene Chloride	1600	ug/l	ND	ND	ND	ND
Tetrachloroethene	4.29	ug/l	ND	2.33	ND	1.13
Toluene	200000	ug/l	ND	ND	ND	ND
Trichloroethene	81	ug/l	ND	0.51	ND	ND
Vinyl chloride	525	ug/l	ND	ND	ND	ND

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
 PCBs = polychlorinated biphenyls; MDL = Method Detection Limit;
 ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable;
 Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion;
 Criterion = GW Criterion: NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6.

Table 5-15
 Surface Water Sampling Results
 Site M-5
 Fort Monmouth, New Jersey

Round	Criterion	Units	#29	#30	#31	#32
WELL ID			SS-5	SS-5	SS-5	SS-5
Date Collected			11/4/2002	3/13/2003	5/21/2003	9/17/2003
ANALYTE / Lab ID			2078014	3011818	3024715	3059216

VOCs						
Acetone	NLE	ug/l	ND	ND	ND	ND
Benzene	71	ug/l	ND	ND	ND	ND
Carbon Disulfide	NLE	ug/l	ND	ND	ND	ND
Chlorobenzene	21000	ug/l	ND	ND	ND	ND
Chloroform	NLE	ug/l	ND	ND	ND	ND
cis-1,2-Dichloroethene	NLE	ug/l	ND	0.81	ND	1.36
Ethylbenzene	27900	ug/l	ND	ND	ND	ND
Methylene Chloride	1600	ug/l	ND	ND	ND	ND
Tetrachloroethene	4.29	ug/l	ND	3.08	3.54	1.23
Toluene	200000	ug/l	ND	ND	ND	ND
Trichloroethene	81	ug/l	ND	0.71	ND	ND
Vinyl chloride	525	ug/l	ND	ND	ND	ND

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
 PCBs = polychlorinated biphenyls; MDL = Method Detection Limit;
 ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable;
 Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion;
 Criterion = GW Criterion: NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6.

Table 5-16
 Surface Water Sampling Results
 Site M-5
 Fort Monmouth, New Jersey

Round	Criterion	Units	#29	#30	#31	#32
WELL ID			SS-15	SS-15	SS-15	SS-15
Date Collected			11/5/2002	3/24/2003	5/21/2003	9/17/2003
ANALYTE / Lab ID			2078707	3013404	3024712	3059220

VOCs

	NLE	ug/l	ND	ND	ND	ND
Acetone		ug/l	ND	ND	ND	ND
Benzene	71	ug/l	ND	ND	ND	ND
Carbon Disulfide	NLE	ug/l	ND	ND	ND	ND
Chlorobenzene	21000	ug/l	ND	ND	ND	ND
Chloroform	NLE	ug/l	ND	ND	ND	ND
cis-1,2-Dichloroethene	NLE	ug/l	ND	1.44	1.89	1.64
Ethylbenzene	27900	ug/l	ND	ND	ND	ND
Methylene Chloride	1600	ug/l	ND	ND	ND	ND
Tetrachloroethene	4.29	ug/l	1.52	3.96	3.84	1.6
Toluene	200000	ug/l	ND	ND	ND	ND
Trichloroethene	81	ug/l	ND	1.11	ND	ND
Vinyl chloride	525	ug/l	ND	ND	ND	ND

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
 PCBs = polychlorinated biphenyls; MDL = Method Detection Limit;
 ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable;
 Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion;
 Criterion = GW Criterion: NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6.

Table 5-17
 Surface Water Sampling Results
 Site M-5
 Fort Monmouth, New Jersey

Round	Criterion	Units	#29	#30	#31	#32
WELL ID			SS-16	SS-16	SS-16	SS-16
Date Collected			11/5/2002	3/13/2003	5/21/2003	9/17/2003
ANALYTE / Lab ID			2078710	3011813	3024714	3059217

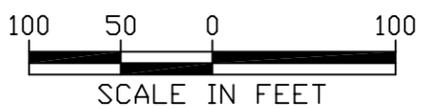
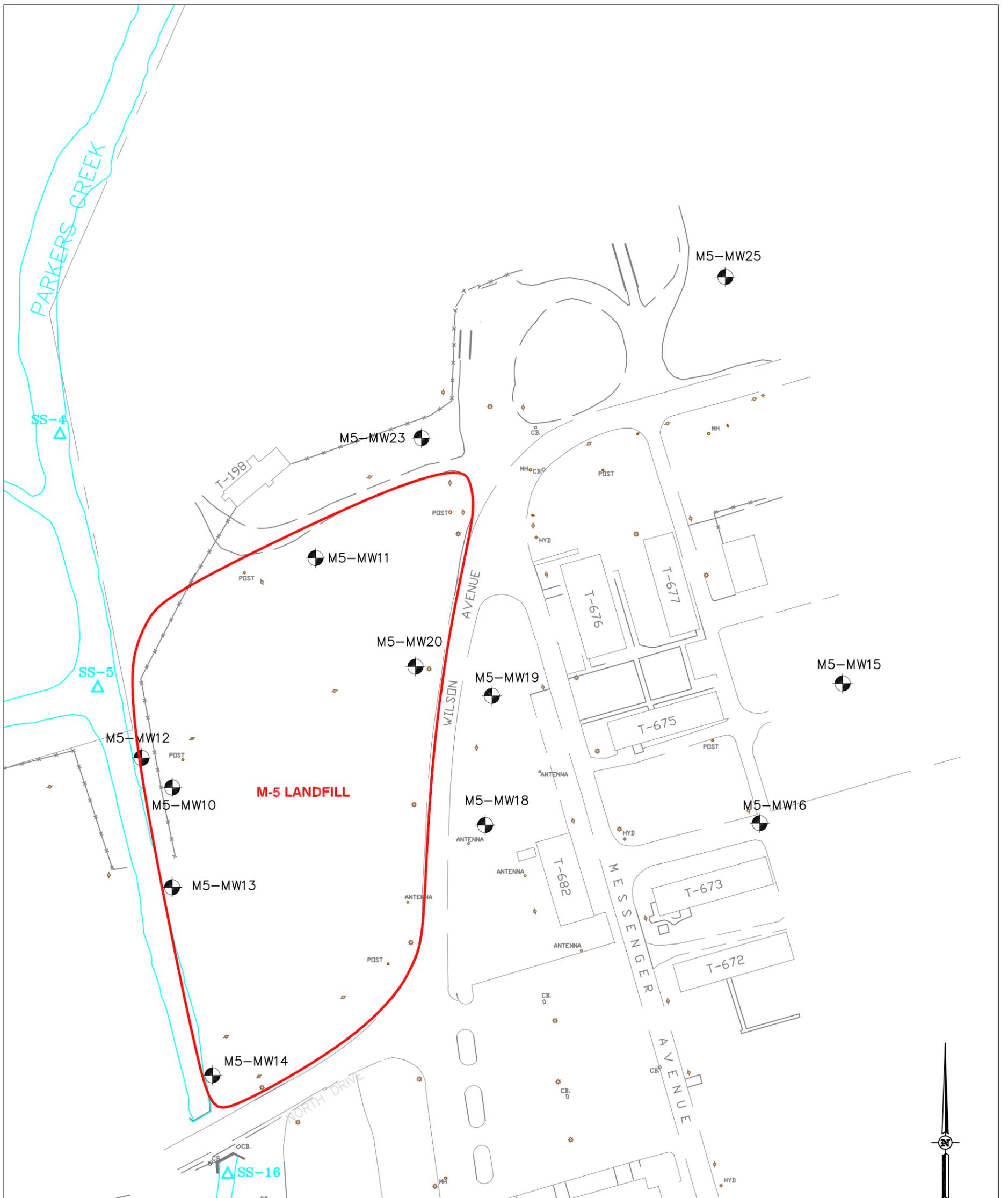
VOCs

Acetone	NLE	ug/l	ND	ND	ND	ND
Benzene	71	ug/l	ND	ND	ND	ND
Carbon Disulfide	NLE	ug/l	ND	ND	ND	ND
Chlorobenzene	21000	ug/l	ND	ND	ND	ND
Chloroform	NLE	ug/l	ND	ND	ND	ND
cis-1,2-Dichloroethene	NLE	ug/l	ND	0.9	1.85	1.79
Ethylbenzene	27900	ug/l	ND	ND	ND	ND
Methylene Chloride	1600	ug/l	ND	ND	ND	ND
Tetrachloroethene	4.29	ug/l	1.49	3.21	3.68	1.7
Toluene	200000	ug/l	ND	ND	ND	ND
Trichloroethene	81	ug/l	ND	0.74	ND	ND
Vinyl chloride	525	ug/l	ND	ND	ND	ND

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
 PCBs = polychlorinated biphenyls; MDL = Method Detection Limit;
 ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billion (ppb); NA = Not Analyzed/Not Applicable;
 Shaded block identifies sample and associated constituent concentration that exceeds the criterion. * = Interim Criterion;
 Criterion = GW Criterion: NJDEP Groundwater Quality Criteria (Higher of GWQC and PQL) per N.J.A.C. 7:9-6.

FIGURES

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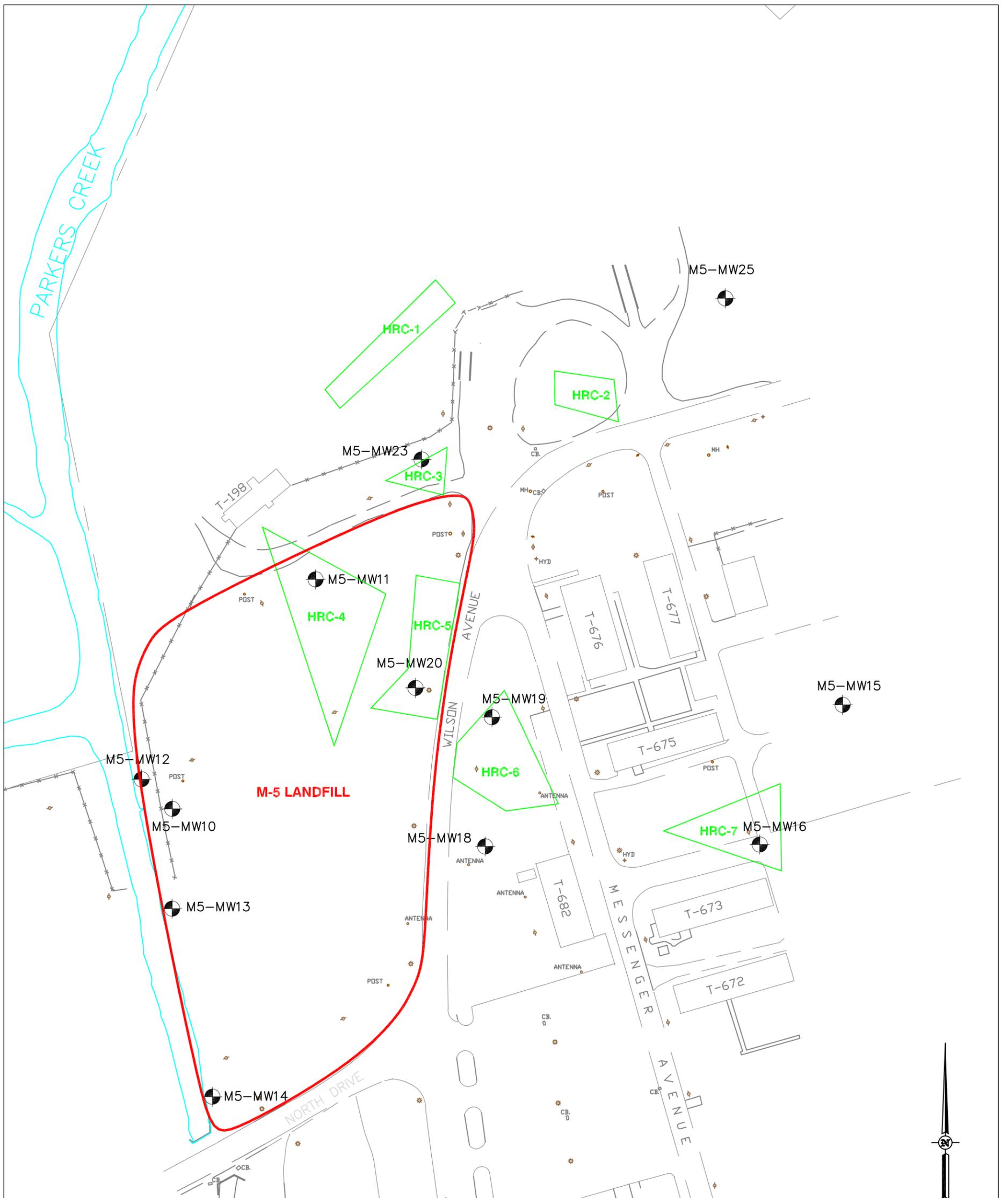


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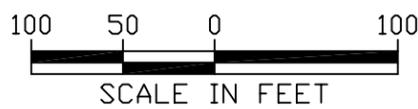
 MONITORING WELL LOCATION

SOURCE: ATC ASSOCIATES, INC., 1998, REMEDIAL ACTION WORK PLAN
LANDFILL M-5, FORT MONMOUTH, NEW JERSEY

REV.	REVISIONS	APPROVED	DATE	DRAWN BY
TITLE: FIGURE 2-2 SITE MAP M-5 LANDFILL FORT MONMOUTH, NEW JERSEY				
DRAWN BY: TJK		DATE DRAWN: 15 MAR 02		
CHECKED BY:		DATE CHECKED:		
APPROVED BY:		DATE APPROVED:		
 201 GIBALTAR ROAD, SUITE 100 HORSHAM, PA 19044 (215) 957-0955		DRAWING No.: FIGURE 2-2		
		PROJECT No.: 4936-141		
		SCALE: 1" = 100'		
SHEET 1 OF 1			REV.:	A



Treatment Area	Area (square feet)	Number of Injection Points
HRC-1	3,200	22
HRC-2	1,800	13
HRC-3	900	6
HRC-4	8,500	59
HRC-5	7,000	49
HRC-6	6,000	42
HRC-7	6,000	42

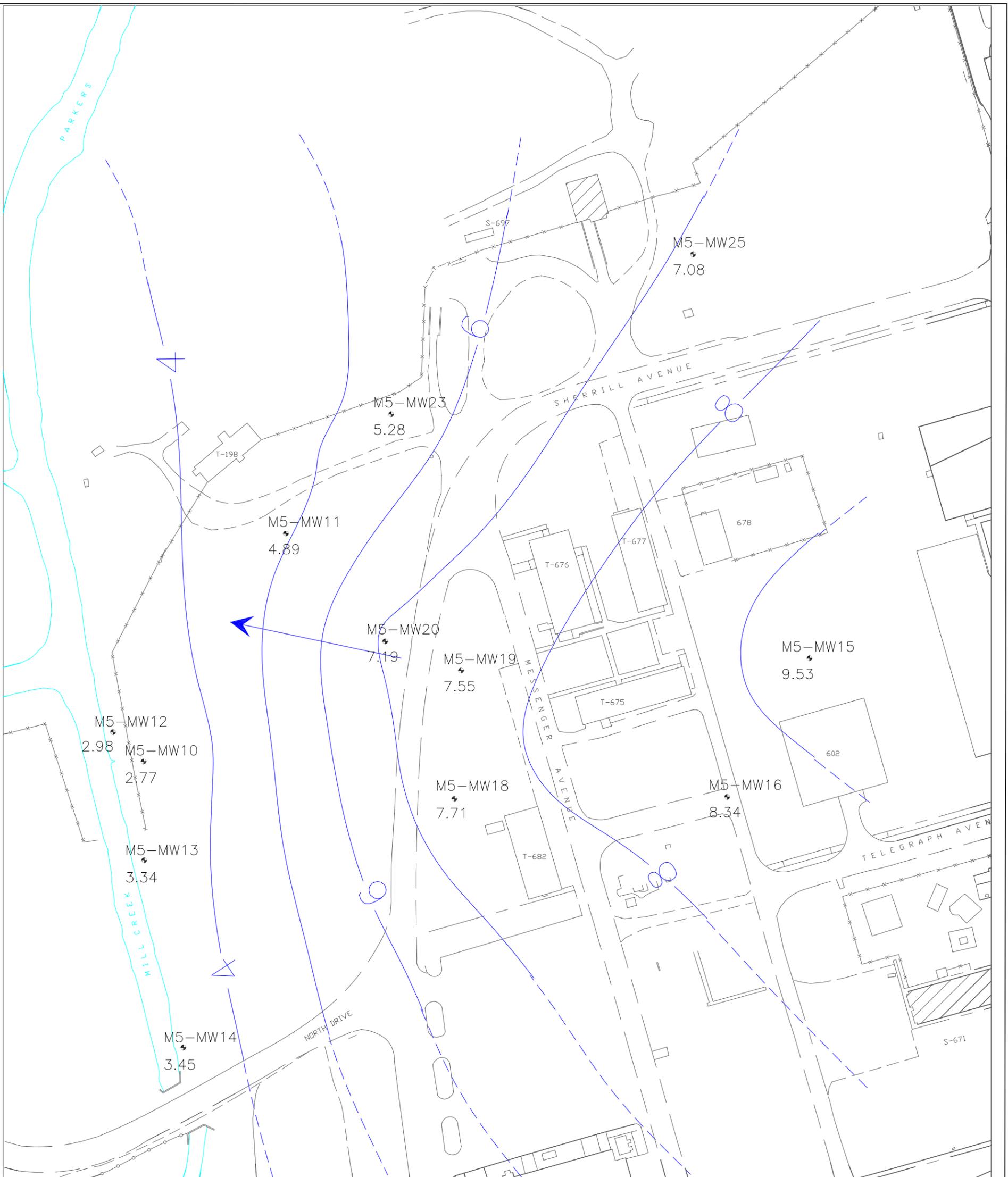


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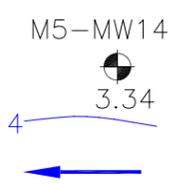
-  MONITORING WELL LOCATION
-  HYDROGEN RELEASING COMPOUND TREATMENT AREA

SOURCE: ATC ASSOCIATES, INC., 1998, REMEDIAL ACTION WORK PLAN
LANDFILL M-5, FORT MONMOUTH, NEW JERSEY

REV.	REVISIONS	APPROVED	DATE	DRAWN BY
TITLE: FIGURE 3-1 BIOREMEDIATION AREAS M-5 LANDFILL FORT MONMOUTH, NEW JERSEY				
DRAWN BY: TJK		DATE DRAWN: 15 MAR 02		
CHECKED BY:		DATE CHECKED:		
APPROVED BY:		DATE APPROVED:		
 201 GIBALTAR ROAD, SUITE 100 HORSHAM, PA 19044 (215) 957-0955		DRAWING No.: FIGURE 3-1		
		PROJECT No.: 4936-141		
		SCALE: 1" = 100'		
SHEET 1 OF 1		REV.:	A	

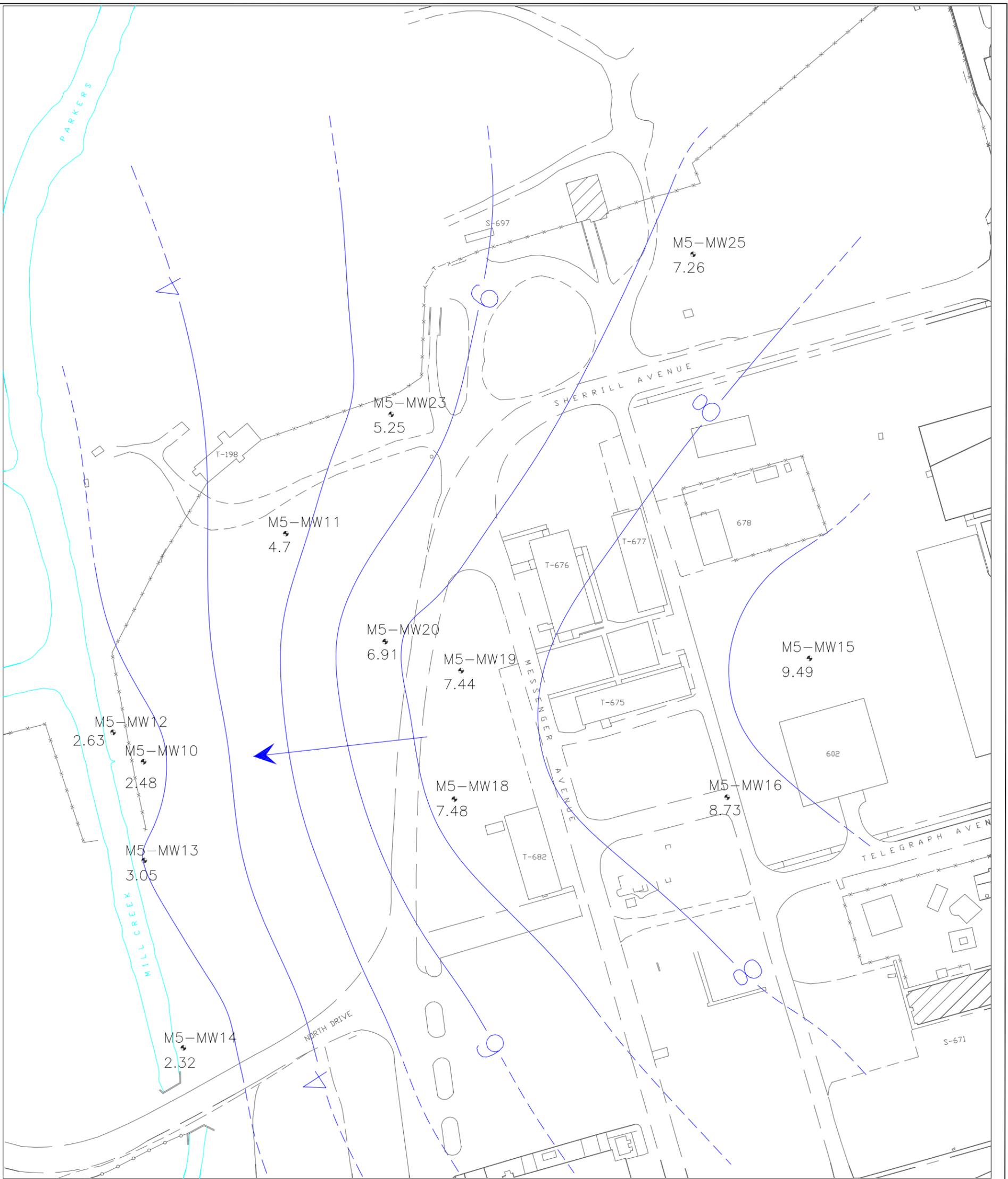


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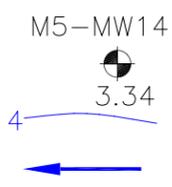


- SEE TABLE 4-1 FOR DEPTH TO WATER AND CASING ELEVATIONS.
- MONITORING WELL LOCATION
- GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION

REV.	REVISIONS	APPROVED	DATE	DRAWN BY
TITLE: FIGURE 4-1 GROUNDWATER CONTOUR MAP (28 OCT 02) M-5 LANDFILL FORT MONMOUTH, NEW JERSEY				
DRAWN BY: CAW		DATE DRAWN: 22 AUG 05		
CHECKED BY:		DATE CHECKED:		
APPROVED BY:		DATE APPROVED:		
Versar INC.		DRAWING No.: FIGURE 4-1		
4700 S. MC CLINTOCK DR., STE. 150 TEMPE, ARIZONA 85282		PROJECT No.: 110571.0571.411		
* TELEPHONE (480)838-5352		SCALE: 1" = 100'		
* FAX (480)838-6990		SHEET 1 OF 1		REV: A

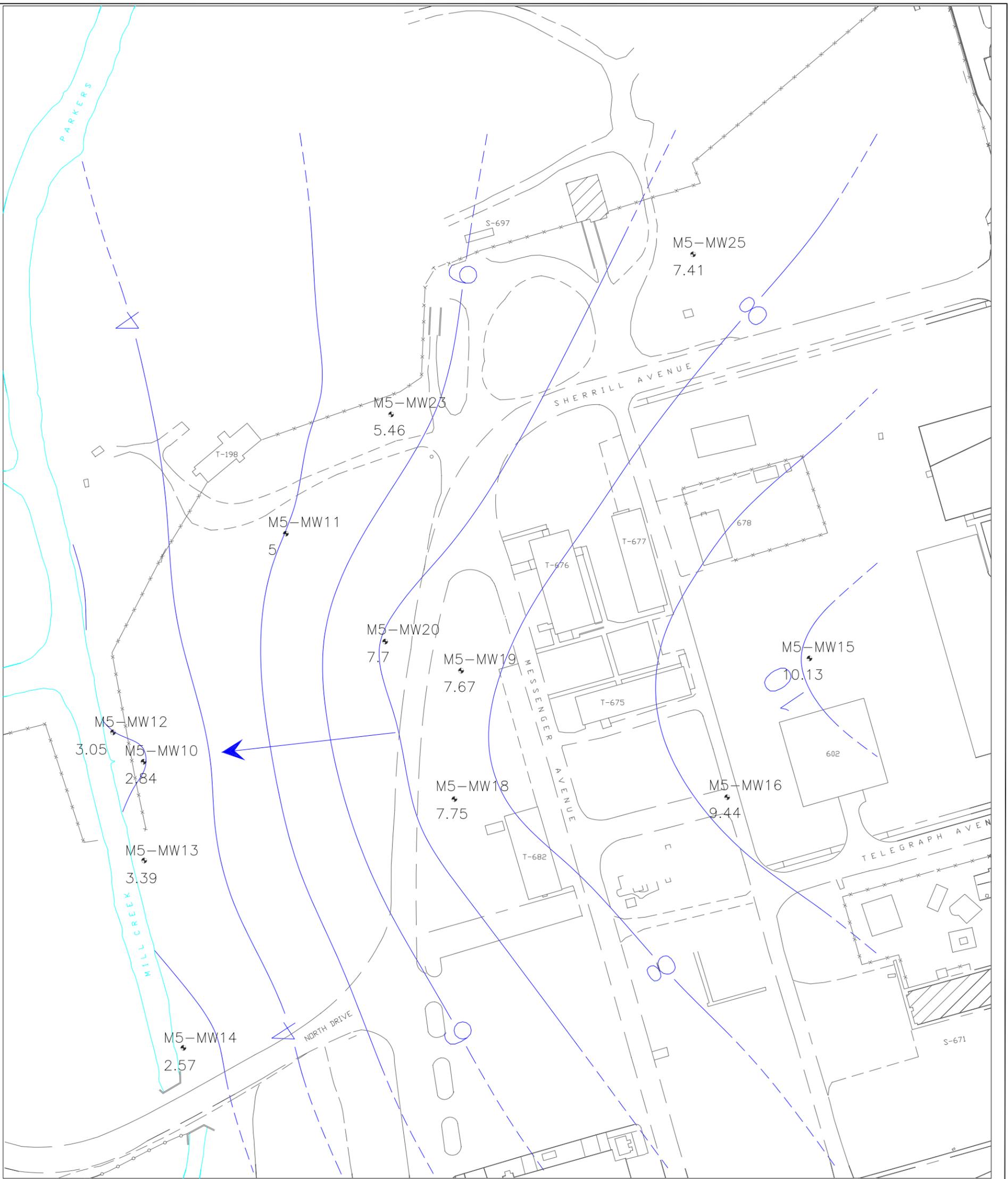


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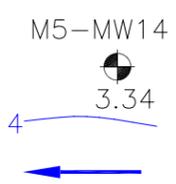


- SEE TABLE 4-1 FOR DEPTH TO WATER AND CASING ELEVATIONS.
- MONITORING WELL LOCATION
- GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION

REV.	REVISIONS	APPROVED	DATE	DRAWN BY
TITLE: FIGURE 4-2 GROUNDWATER CONTOUR MAP (22 JAN 03) M-5 LANDFILL FORT MONMOUTH, NEW JERSEY				
DRAWN BY: CAW		DATE DRAWN: 22 AUG 05		
CHECKED BY:		DATE CHECKED:		
APPROVED BY:		DATE APPROVED:		
Versar INC. 4700 S. MC CLINTOCK DR., STE. 150 TEMPE, ARIZONA 85282 * TELEPHONE (480)838-5352 * FAX (480)838-6990		DRAWING No.: FIGURE 4-2		PROJECT No.: 110571.0571.411
SHEET 1 OF 1		SCALE: 1" = 100'		REV: A



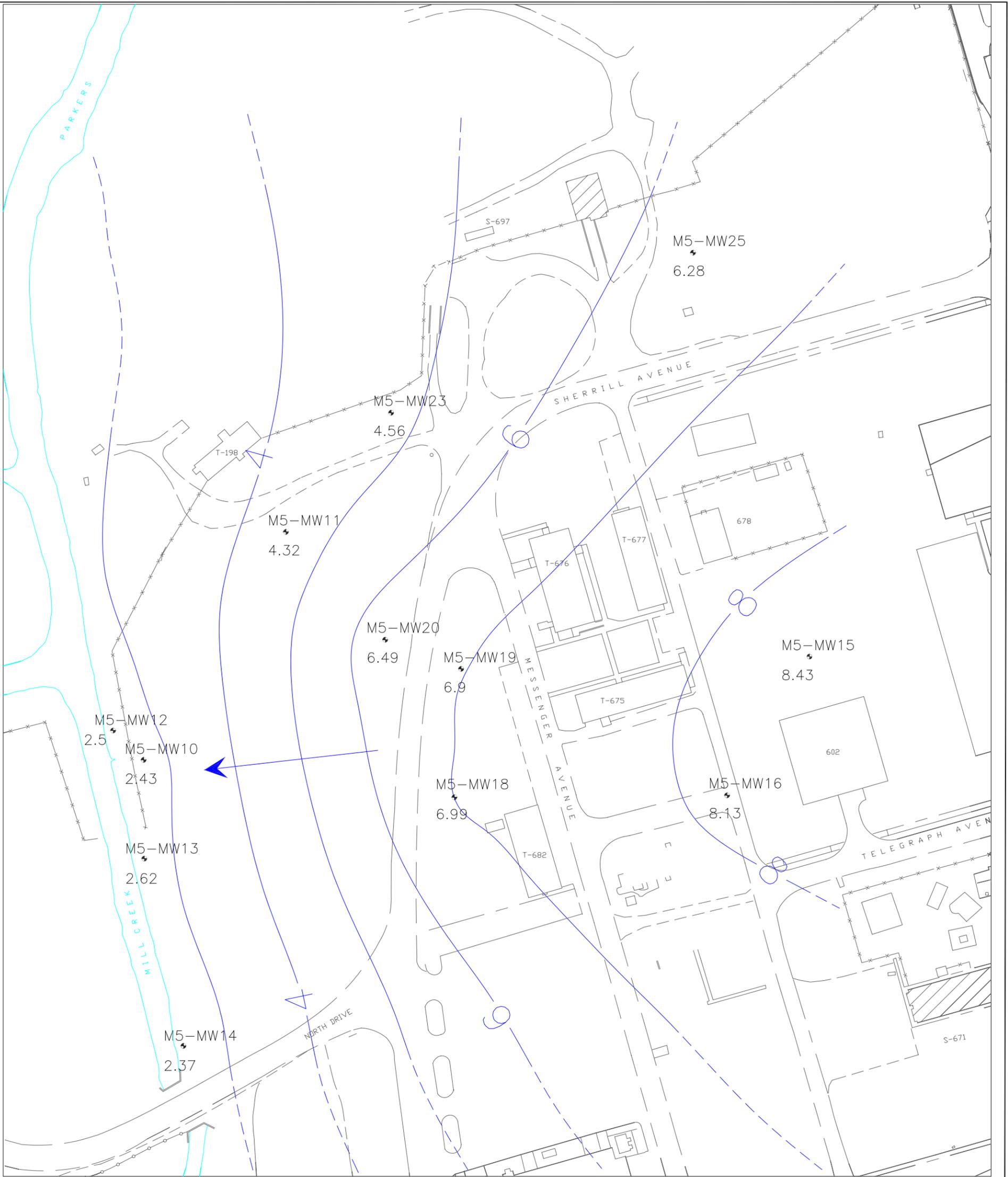
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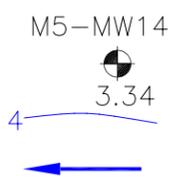
- SEE TABLE 4-1 FOR DEPTH TO WATER AND CASING ELEVATIONS.
- MONITORING WELL LOCATION
- GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION

REV.	REVISIONS	APPROVED	DATE	DRAWN BY
TITLE: FIGURE 4-3 GROUNDWATER CONTOUR MAP (21 APR 03) M-5 LANDFILL FORT MONMOUTH, NEW JERSEY				
DRAWN BY: CAW		DATE DRAWN: 22 AUG 05		
CHECKED BY:		DATE CHECKED:		
APPROVED BY:		DATE APPROVED:		
Versar INC. 4700 S. MC CLINTOCK DR., STE. 150 TEMPE, ARIZONA 85282 * TELEPHONE (480)838-5352 * FAX (480)838-6990		DRAWING No.: FIGURE 4-3 PROJECT No.: 110571.0571.411 SCALE: 1" = 100' SHEET 1 OF 1		
				REV: A





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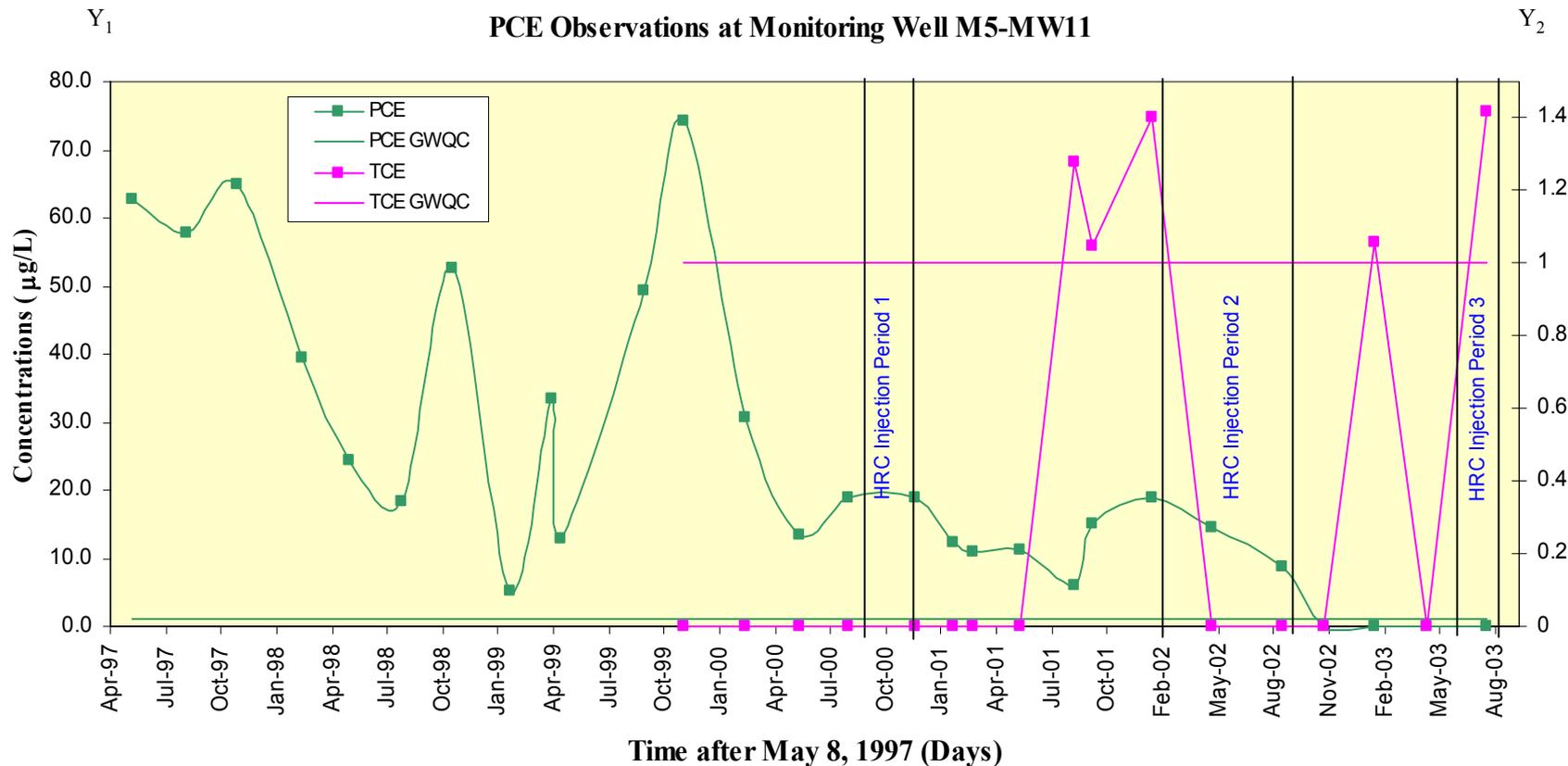


- M5-MW14 SEE TABLE 4-1 FOR DEPTH TO WATER AND CASING ELEVATIONS.
- MONITORING WELL LOCATION
- GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION

REV.	REVISIONS	APPROVED	DATE	DRAWN BY
TITLE: FIGURE 4-4 GROUNDWATER CONTOUR MAP (30 JUL 03) M-5 LANDFILL FORT MONMOUTH, NEW JERSEY				
DRAWN BY: CAW		DATE DRAWN: 22 AUG 05		
CHECKED BY:		DATE CHECKED:		
APPROVED BY:		DATE APPROVED:		
Versar INC.		DRAWING No.: FIGURE 4-4		
4700 S. MC CLINTOCK DR., STE. 150 TEMPE, ARIZONA 85282		PROJECT No.: 110571.0571.411		
* TELEPHONE (480)838-5352		SCALE: 1" = 100'		
* FAX (480)838-6990		SHEET 1 OF 1		REV.: A

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PCE Observations at Monitoring Well M5-MW11



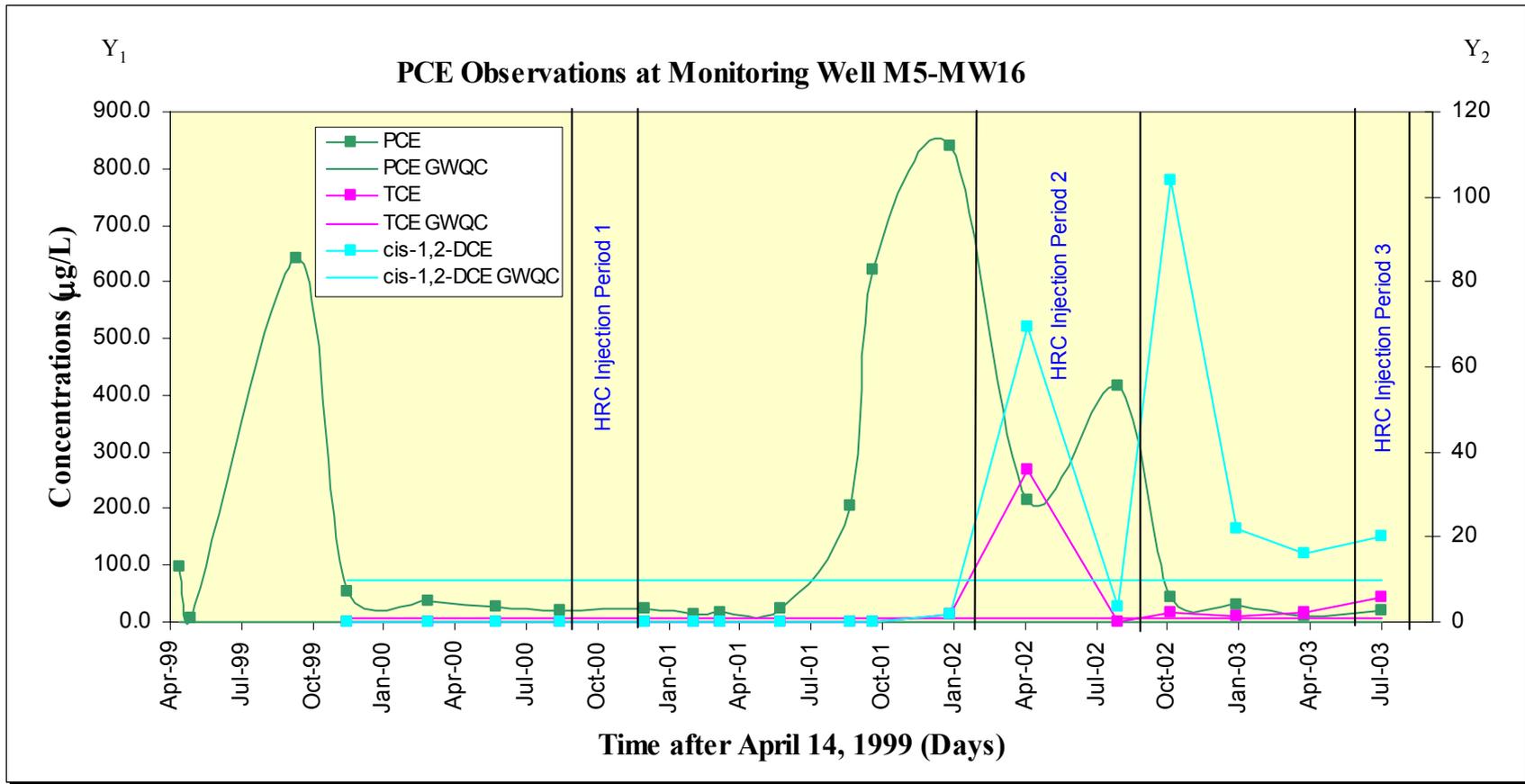
Notes:

- 1) Concentration is shown in micrograms per liter (ug/L), equivalent to parts per billion.
- 2) Observed PCE concentrations at well M5-MW11 are shown starting on May 8, 1997.
- 3) Observed daughter product, TCE, concentrations at well M5-MW11 are shown starting on September 5, 2001.
- 4) PCE is graphed along the Y₁ axis and TCE is graphed along the Y₂ axis.
- 5) For graphing purposes, the concentrations which were observed as non-detected (ND) are shown as zero (0) concentration.

FIGURE 5-2

**PCE Observations
at Well M5-MW11
M-5 Landfill
Fort Monmouth, New Jersey**

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(215) 957-0955



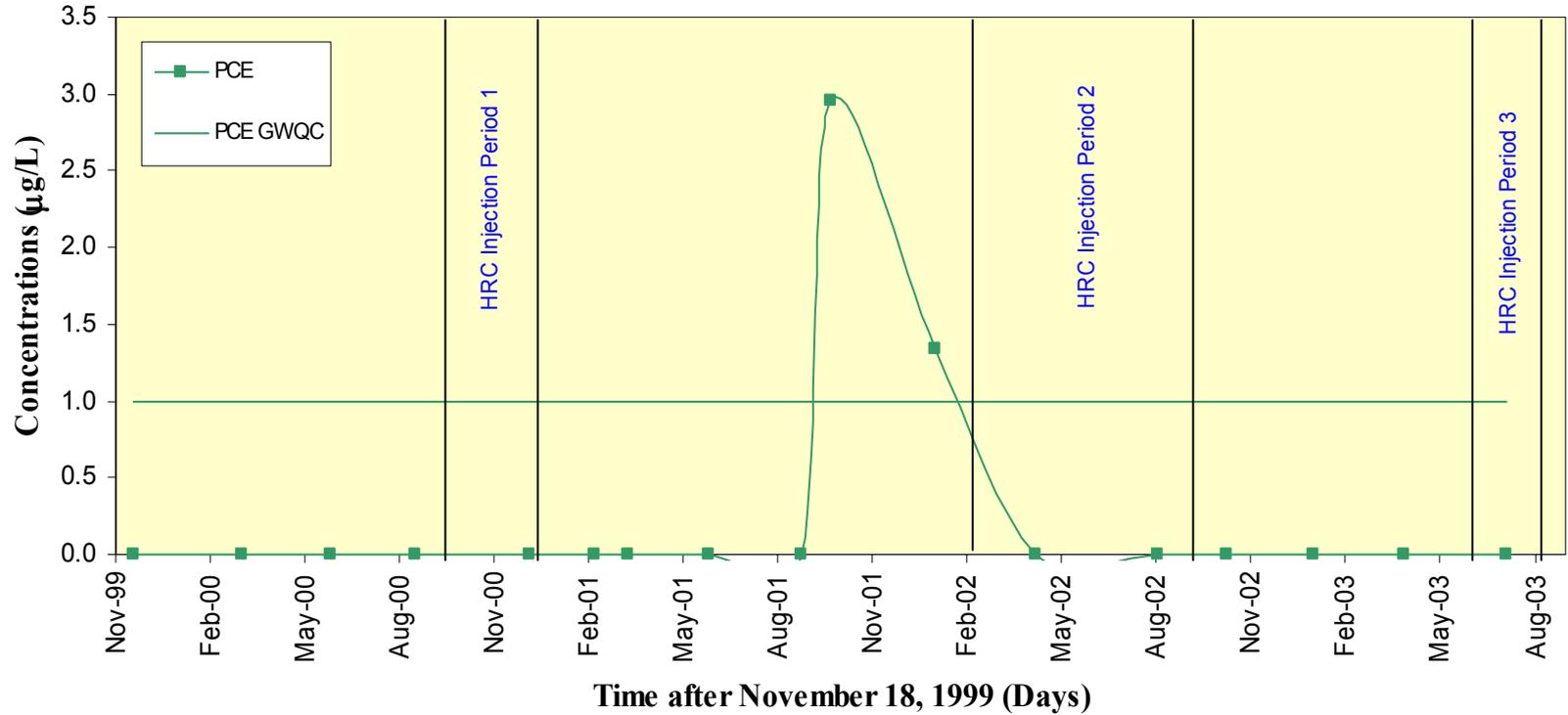
Notes:

- 1) Concentration is shown in micrograms per liter (ug/L), equivalent to parts per billion.
- 2) Observed PCE concentrations at well M5-MW16 are shown starting on April 14, 1999.
- 3) Observed daughter product, TCE, concentrations at well M5-MW16 are shown starting on January 14, 2002.
- 3) Observed daughter product, cis-1,2-DCE, concentrations at well M5-MW16 are shown starting on April 23, 2002.
- 4) PCE is graphed along the Y₁ axis and TCE and cis-1,2-DCE are graphed along the Y₂ axis.
- 5) For graphing purposes, the concentrations which were observed as non-detected (ND) are shown as zero (0) concentration.

FIGURE 5-3

**PCE Observations
at Well M5-MW16
M-5 Landfill
Fort Monmouth, New Jersey**

PCE Observations at Monitoring Well M5-MW18



Notes:

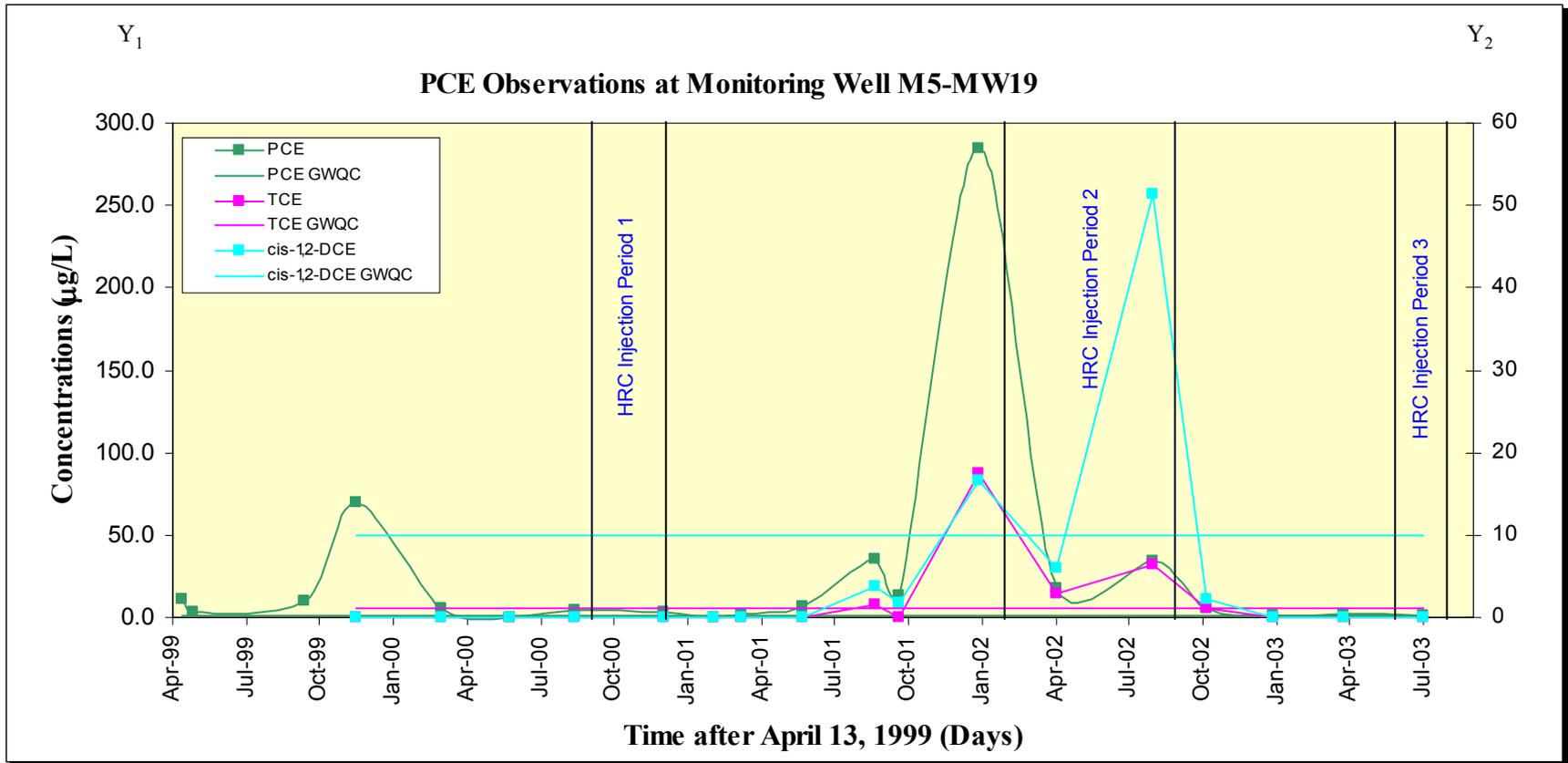
- 1) Concentration is shown in micrograms per liter (ug/L), equivalent to parts per billion.
- 2) Observed PCE concentrations at well M5-MW18 are shown starting on November 18, 1999.
- 3) For graphing purposes, the concentrations which were observed as non-detected (ND) are shown as zero (0) concentration.

FIGURE 5-4

**PCE Observations
at Well M5-MW18
M5-Landfill
Fort Monmouth, New Jersey**



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Horsham, PA 19044-2314
(215) 957-0955



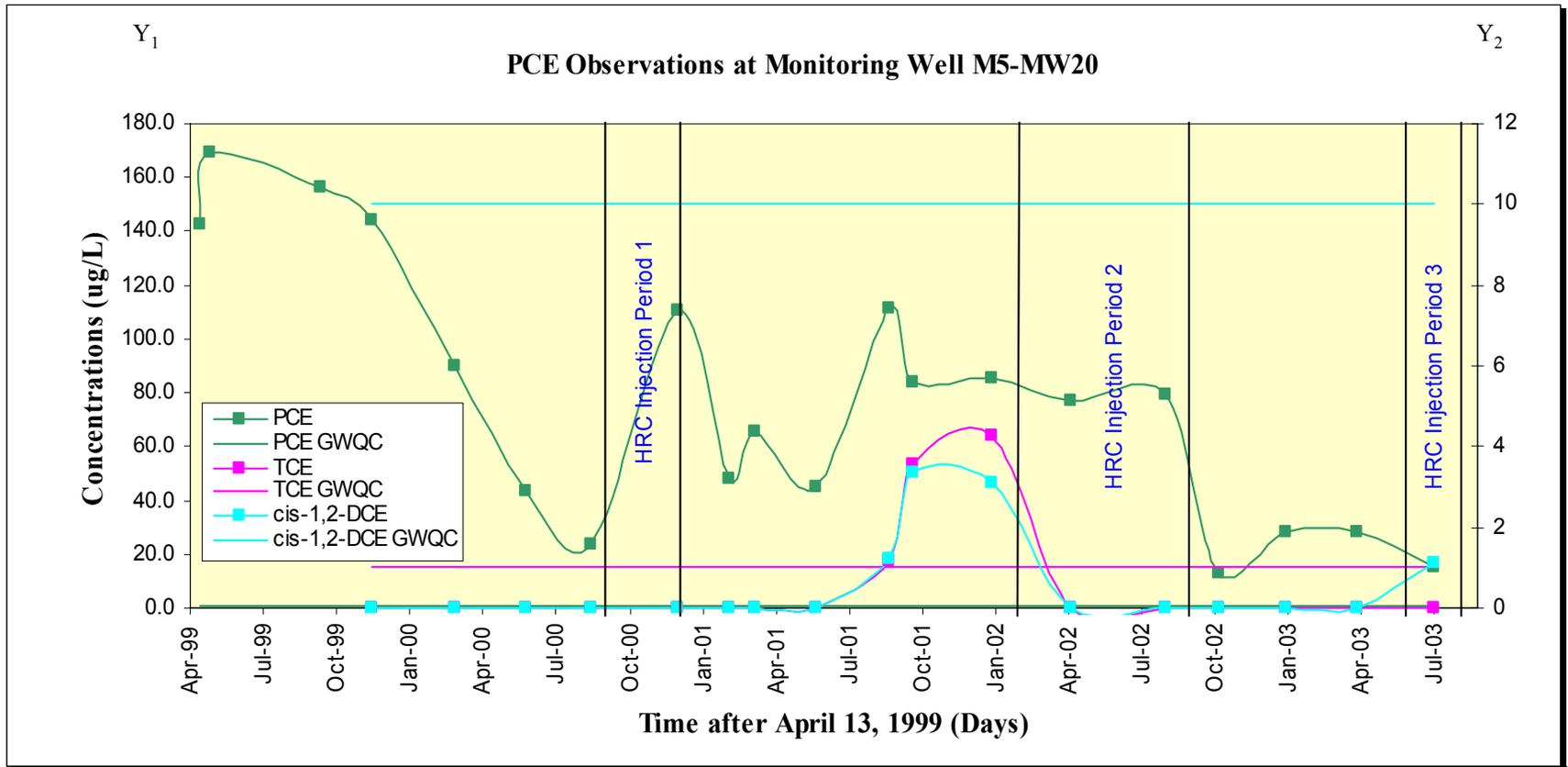
Notes:

- 1) Concentration is shown in micrograms per liter (ug/L), equivalent to parts per billion.
- 2) Observed PCE concentrations at well M5-MW19 are shown starting on April 13, 1999.
- 3) Observed daughter product, TCE, concentrations at well M5-MW19 are shown starting on September 5, 2001.
- 4) Observed daughter product, cis-1,2-DCE, concentrations at well M5-MW19 are shown starting on September 5, 2001.
- 5) PCE is graphed along the Y₁ axis and TCE and cis-1,2-DCE are graphed along the Y₂ axis.
- 6) For graphing purposes, the concentrations which were observed as non-detected (ND) are shown as zero (0) concentration.

FIGURE 5-5

**PCE Observations
at Well M5-MW19
M5-Landfill
Fort Monmouth, New Jersey**

Versar INC. 201 Gibraltar Road, Suite 100
Horsham, PA 19044-2314
(215) 957-0955

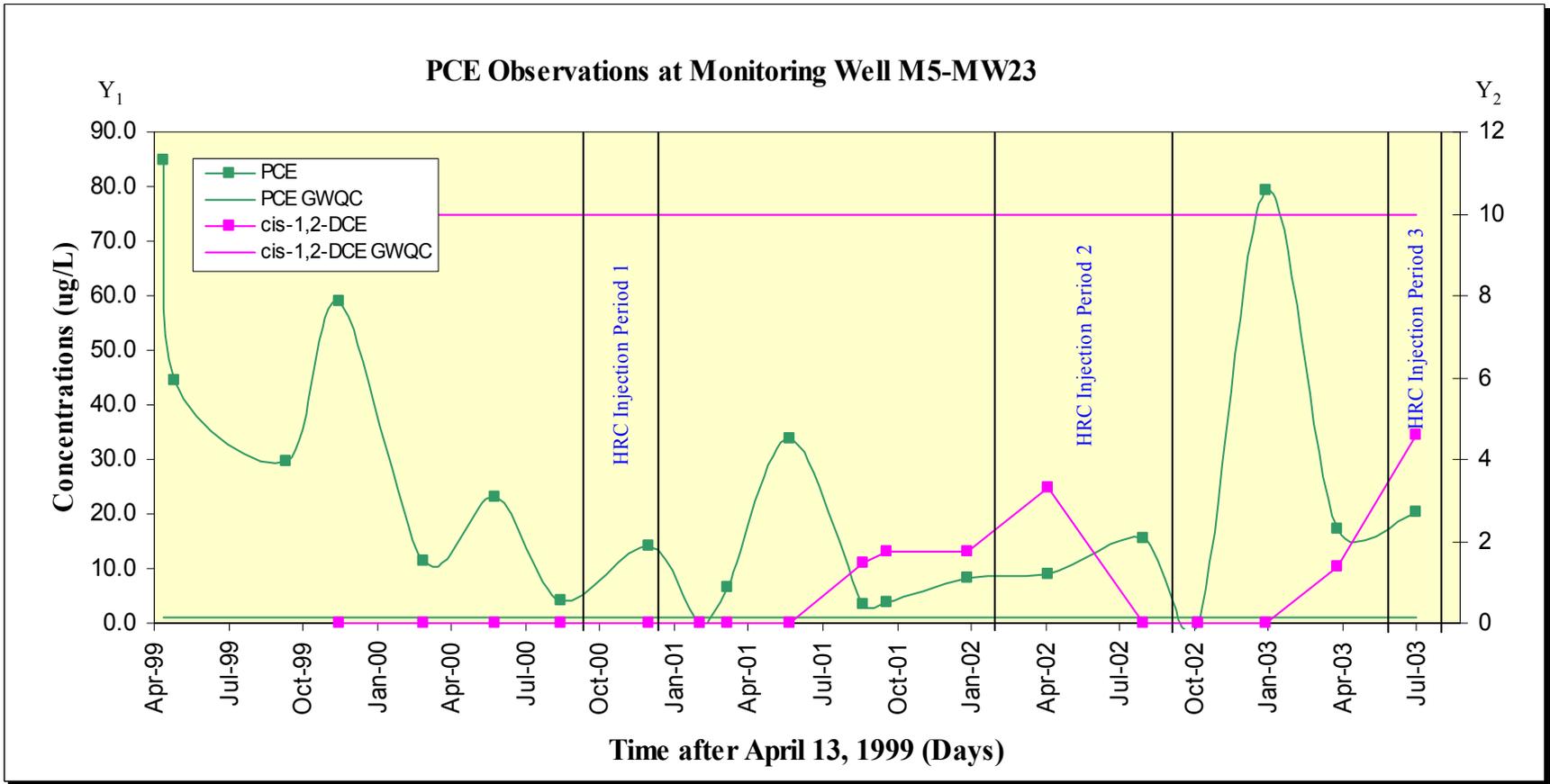


Notes:

- 1) Concentration is shown in micrograms per liter (ug/L), equivalent to parts per billion.
- 2) Observed PCE concentrations at well M5-MW20 are shown starting on April 13, 1999.
- 3) Observed daughter product, TCE, concentrations at well M5-MW20 are shown starting on September 5, 2002.
- 4) Observed daughter product, cis-1,2-DCE, concentrations at well M5-MW20 are shown starting on September 5, 2002.
- 5) PCE is graphed along the Y₁ axis and TCE and cis-1,2-DCE are graphed along the Y₂ axis.
- 6) For graphing purposes, the concentrations which were observed as non-detected (ND) are shown as zero (0) concentration.

FIGURE 5-6

**PCE Observations
at Well M5-MW20
M5-Landfill
Fort Monmouth, New Jersey**



Notes:

- 1) Concentration is shown in micrograms per liter (ug/L), equivalent to parts per billion.
- 2) Observed PCE concentrations at well M5-MW23 are shown starting on April 13, 1999.
- 3) Observed daughter product, cis-1,2-DCE, concentrations at well M5-MW23 are shown on September 5, 2002.
- 4) PCE is graphed along the Y₁ axis and cis-1,2-DCE is graphed along the Y₂ axis.
- 5) For graphing purposes, the concentrations which were observed as non-detected (ND) are shown as zero (0) concentration.

FIGURE 5-7

**PCE Observations
at Well M5-MW23
M-5 Landfill
Fort Monmouth, New Jersey**

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Appendix A

**ATC Associates, Inc., February 2000. *Remedial Action Workplan – Landfill M-5,
Main Post, Fort Monmouth, New Jersey.***

United States Army
Fort Monmouth, New Jersey

Remedial Action Work Plan

*Landfill M-5
Main Post
Fort Monmouth, New Jersey*



REMEDIAL ACTION WORK PLAN

LANDFILL M-5

**MAIN POST
FORT MONMOUTH, NEW JERSEY**

FEBRUARY 2000

**PROJECT NO.: 02711.00002
CONTRACT NO.: DACA51-96-D-0018**

PREPARED FOR:

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

PREPARED BY:

**ATC ASSOCIATES, INC.
BROMLEY CORPORATE CENTER
THREE TERRI LANE
BURLINGTON, NEW JERSEY 08016**

CERTIFICATION

For: Remedial Action Work Plan, M5 Landfill Site, Fort Monmouth, New Jersey

“I certify under penalty of law that the information provided in this document is true, accurate, and complete to the best of my knowledge. 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.”

Joseph Fallon
Environmental Protection Specialist

Name, Title

Signature

Date

“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 to the best of my knowledge. 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.”

Mark H. Johnson, LTC, MI

Name, Title

Signature

Date

This Remedial Action Work Plan has been reviewed and approved.

Ian Curtis
Case Manager
NJDEP, Bureau of
Federal Case Management

Name, Title

Signature

Date

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EXECUTIVE SUMMARY

In April 1995 the Fort Monmouth Directorate of Public Works (DPW) began its Remedial Investigation of Landfill M-5 at Fort Monmouth – Main Post. The purpose of this investigation was to collect samples in order to evaluate the soil, groundwater and surface water quality at and in the vicinity of the Landfill M-5, and to prepare a Remedial Action Work Plan (RAWP) to address the need for remediation of these media, if necessary. In general, the Remedial Investigation was conducted by the DPW. ATC Associates, Inc. (ATC) was contracted by the DPW to evaluate the data, and to prepare this RAWP for Landfill M-5.

This Remedial Investigation involved drilling and sampling 261 Geoprobe soil borings for soil and groundwater, installing 12 new shallow groundwater monitoring wells, drilling three deep soil borings, and sampling two groundwater monitoring wells for eleven events, three groundwater monitoring wells for six events, and ten groundwater monitoring wells for three events. The results of this investigation indicate that the shallow groundwater contained volatile organic compounds (VOCs), particularly tetrachloroethene (PCE), in excess of the New Jersey Department of Environmental Protection (NJDEP) Groundwater Quality Criteria (GWQC).

The concentrations and distribution of PCE in the soil and groundwater at Landfill M-5 suggest that this location is suitable for a Natural Remediation program. In general, PCE concentrations are expected to come into compliance with the New Jersey Department of Environmental Protection's (NJDEP) Class II Groundwater Quality Criteria (GWQC) within a five year period, and the PCE contamination is expected to migrate approximately 54 feet during this time frame.

Although PCE concentrations are expected to naturally attenuate to acceptable levels, the DPW wishes to shorten the time required for compliance with the GWQC. Therefore, the DPW proposes to actively remediate existing concentrations of PCE by treating the affected areas with Hydrogen Releasing Compound (HRC). The DPW is proposing a specific application protocol and a groundwater sampling program designed to measure the effectiveness of groundwater remediation.

1.0 REMEDIAL INVESTIGATION REPORT

This document is a Remedial Action Work Plan (RAWP) for the soils and groundwater at Landfill M-5, located on the Main Post of Fort Monmouth, New Jersey (Figures 1 and 2). It has been prepared by ATC Associates, Inc. (ATC), on behalf of the Fort Monmouth Directorate of Public Works (DPW), and is based on the data presented in the December 1995 *Site Investigation Report* (SIR), by Roy F. Weston, Inc. (Weston), as well as groundwater and surface water sampling data collected by the DPW between May 8, 1997 and September 14, 1999 and soil sampling data collected by the DPW between April 8, 1998 and March 30, 1999. This RAWP has been prepared in accordance with the New Jersey Department of Environmental Protection's (NJDEP) July 1993 *Technical Requirements for Site Remediation - NJAC 7:26E* (Technical Requirements).

1.1 Historical Information

According to the Weston SIR, Landfill M-5 was in use as a landfill between 1952 and 1959. Materials generally found in Main Post landfills include unwashed pesticide/herbicide cans, batteries, fluorescent tubes, electronic components, garbage, asbestos wrappings from pipes, soot and boiler scale, sludge from sanitary treatment plants (STPs), small quantities of outdated drugs, outdated photographic chemicals in glass bottles, building rubble including asbestos-containing materials (ACM), incinerator ash, sand from oil spill cleanups, and other debris. Landfill M-5 also was reportedly used for the disposal of automobiles.

1.2 Physical Setting

1.2.1 Site Description

Landfill M-5 is located on the western portion of the Main Post, just west of the Eatontown/Oceanport Borough line. The site is located on the northwest corner of the intersection of North Drive and Wilson Avenue, and is bound by Mill Creek to the west (Figure 2). The approximate area of Landfill M-5 is 138,200 ft² (3.2 acres). This landfill was constructed in a former swamp, and is presently flat and grass covered.

1.2.2 Regional Geology

Fort Monmouth is located within the New Jersey Section of the Atlantic Coastal Plain physiographic province. In general, New Jersey Coastal Plain formations consist of northeast striking deposits of unconsolidated clay, silt, and gravel. 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.

Over 20 regional geologic units are present within the sediments of the New Jersey 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 thickness for these units vary greatly (i.e., from several feet to several hundred feet).

1.2.3 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).

The boring logs from the on-site monitoring wells installed between December 1994 and March 1999, indicate that the soils in Landfill M-5 area and in the vicinity of Landfill M-5 consist of a thin soil cover of brown sandy silt (approximately one foot thick) underlain by approximately seven feet of olive/brown poorly graded sand with silt. This is in turn underlain by an 8-foot layer (8- to 16-feet below grade) of green/brown sandy silt. A dark green dense to very dense silty sand/clayey sand, with clay contents increasing with depth, extends from 16- to at least 60-feet below grade or the depth of the borings.

Over the last 80 years, the natural topography of Fort Monmouth has been altered by excavation and filling activities by the military. Topographic elevations for Landfill M-5 range from 10 feet above mean sea level (MSL) to 15 feet above MSL.

1.2.4 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, groundwater is typically encountered at depths of 2 to 9 feet below ground surface (bgs). According to the boring logs from monitoring wells drilled at Landfill M-5, groundwater was encountered on-site between 4 foot to 8-foot bgs, during drilling activities. According to groundwater monitoring data collected during quarterly monitoring events performed at Landfill M-5 between May 8, 1997 and September 14, 1999, groundwater was encountered on site at depths between 1.40 feet to 11.59 feet. Groundwater monitoring data for the last four monitoring events – February 2, 1999, April 13, 1999, April 27, 1999, and September 13,

1999 – were used to generate groundwater elevation contour maps (Figures 3 through 6). For these groundwater monitoring events, groundwater flow was calculated to be toward the west-northwest, consistent with the Weston SIR, which reported that the site-specific groundwater flow direction was estimated to be west toward Mill Creek. 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.

According to Jablonski, wells drilled in the Red Bank and Tinton Sands may produce 2 to 25 gallons per minute (gpm). Monitoring well MW-10 reportedly produced 5.0 gpm, MW-11 produced 1.5 gpm, and M5MW-19 produced approximately 3.2 gpm during the pump test. Some well owners have reported acidic water that requires treatment to remove iron.

1.3 Technical Overview

1.3.1 Reliability of Laboratory Data

The soil and groundwater samples collected during Geoprobe drilling activities and the surface water and groundwater samples collected during quarterly sampling events were analyzed within the requisite holding times by Fort Monmouth Environmental Testing Laboratory, Fort Monmouth, New Jersey (NJDEP Certification # 13461).

1.3.2 Summary of Contamination

In five of the 261 soil samples collected from Landfill M-5, tetrachloroethene (PCE) was detected at concentrations exceeding New Jersey Department of Environmental Protection's (NJDEP) Impact to Groundwater Soil Cleanup Criteria (IGWSSC) of 1.0 milligram per kilogram (mg/kg), equivalent to parts per million (ppm).

In five of the monitoring wells in the Landfill M-5 area, PCE was detected at concentrations exceeding the NJDEP Class II Groundwater Quality Criteria (GWQC) of 1.0 microgram per liter ($\mu\text{g/L}$), equivalent to parts per billion (ppb).

Detailed descriptions of the soil, groundwater, and surface water impacts in the Landfill M-5 area are presented in Section 1.5 of this document.

1.4 Remedial Investigation Methodology

1.4.1 Geoprobe Borings/ Soil and Groundwater Sampling

Between April 8, 1998 and December 17, 1998, a total of 261 Geoprobe points were drilled (B1 through B197 and B254 through B318). One soil and groundwater samples were collected from each Geoprobe location. The purpose of collecting groundwater samples using the Geoprobe was to provide a screening tool for determining the gross distribution of groundwater impacts. This data was confirmed through the installation of permanent monitoring wells, as described in Sections 1.4.3 and

1.4.4. The methodologies for collecting these soil and groundwater samples are presented as Appendix A.

1.4.2 Soil Borings

In order to determine the vertical extent of soil contamination, and in an attempt to determine the source of soil and groundwater impacts encountered during Geoprobe sampling, on March 25, 1999, March 30, 1999, and March 31, 1999, three 2-inch soil borings were drilled at M5 area. Soil borings M5SB17 and M5SB20 were advanced to a depth of approximately 60 feet and soil boring M5SB23 was advanced to a depth of approximately 42 feet. A hollow stem auger drill rig was used to advance the boring at each location. Continuous split-spoon samplers were advanced in each boring. Soil samples were collected continuously in each boring using a two-foot long, two-inch diameter split-spoon sampler that was advanced under the weight of a 140-pound hammer. Each split-spoon was visually inspected, field screened using a photoionization detector (PID) or a flame ionization detector (FID), and logged for lithology in the field. Soil boring locations are shown on Figure 7, and boring logs are included in Appendix B.

Fourteen soil samples were collected and analyzed for total organic carbon concentrations, eight soil samples were collected and analyzed for grain size analysis, and five soil samples were analyzed for volatile organic compounds, including xylenes and 15 tentatively identified compounds (VOC+15). Analytical data reports are included as Appendix C.

After completion, each boring was abandoned by tremie-grouting the boring from the bottom to the ground surface with a cement/bentonite mixture, per NJDEP requirements.

1.4.3 Monitoring Well Installation

Three monitoring wells – MW-10, MW-11, and M8MW-12 – were installed in 1995 by Weston during site investigation field activities. Well logs and well construction were included in Weston's SIR. In an attempt to delineate the groundwater contamination in the direction of Mill Creek, the potential receptor, three groundwater monitoring wells – MW-12, MW-13, and MW-14 – were drilled and installed between August 27, 1998 and August 31, 1998. A hollow stem auger drill rig was used to advance the boring at each well location. The wells were constructed of 2-inch diameter schedule 40 PVC screen and casing, and were installed at depths between approximately 15 feet to approximately 20 feet below surface grade. The screen interval in each well extends from approximately 5 feet to the bottom of the well. The annular space surrounding the screen was filled with #2 grade sand to a level at least one foot above the top of the screen in each well. The remainder of the annular space surrounding each well was filled with cement/bentonite grout to surface. Each monitoring well was finished with approximately 2.5 feet PVC casing above land surface protected by a 6-inch steel protective casing. Upon completion, the monitoring wells were developed, using a submersible pump, until the ground water was visibly free of sediments. The wells were installed and developed by Groundwater and Environmental Services, Inc., a licensed New Jersey drilling company. The monitoring wells were

installed in accordance with standard NJDEP procedures for the installation of wells in unconsolidated materials. Monitoring well locations are shown on Figure 2.

In order to confirm the results of the Geoprobe soil and groundwater investigation, between March 24, 1999 and March 30, 1999, nine additional monitoring wells (M5MW-15, M5MW-16, M5MW-18, M5MW-19, M5MW-20, M5MW-23, M5MW-25, M8MW-23, and M8MW-24) were installed at Landfill M-5 and immediately adjacent to Landfill M-5. Locations of these monitoring wells are shown on Figure 2. A hollow stem auger drill rig was used to advance the boring at each well location. Soil samples were collected using a two-foot long, two-inch diameter split-spoon sampler that was advanced under the weight of a 140-pound hammer. Each split-spoon was visually inspected, field screened using a photoionization detector (PID) or a flame ionization detector (FID), and logged for lithology in the field.

The wells were constructed of 4-inch diameter schedule 40 PVC screen and casing, and were installed at depths between approximately 14 feet to approximately 18 feet below surface grade. The screen interval in each well extends from approximately 3 to 5 feet to the bottom of the well. The annular space surrounding the screen was filled with #2 grade sand to a level at least one foot above the top of the screen in each well. The remainder of the annular space surrounding each well was filled with cement/bentonite grout to surface. Each monitoring well was finished with approximately 3.0 feet PVC casing above land surface protected by a 6-inch steel protective casing. Upon completion, the monitoring wells were developed, using a submersible pump, until the ground water was visibly free of sediments. The wells were installed and developed by Lutz Environmental Inc., a licensed New Jersey drilling company, under the direct supervision of the ATC professional geologist. The monitoring wells were installed in accordance with standard NJDEP procedures for the installation of wells in unconsolidated materials. Monitoring well logs and construction details are included as Appendix B and monitoring well records are attached in Appendix D.

1.4.4 Groundwater Monitoring and Sampling

Between May 8, 1997 and September 14, 1999, during ten consecutive quarters, 11 rounds of groundwater sampling events were performed at monitoring wells MW-10 and MW-11, six rounds of sampling events were performed at MW-12, MW-13, and MW-14 during four consecutive quarters, and three rounds of sampling events were performed at M5MW-15, M5MW-16, M5MW-18, M5MW-19, M5MW-20, M5MW-23, M5MW-25, M8MW-12, during two consecutive quarters. Also, between May 8, 1997 and September 14, 1999, 12 rounds of sampling events were performed at M8MW-12 during ten consecutive quarters, and three rounds of sampling events were performed at M8MW-23, M8MW-24 during two consecutive quarters. Sampling events were performed in accordance with the NJDEP's *Field Sampling Procedures Manual* (May 1992), and the DPW - Standard Operation Procedure (SOP). For groundwater sampling procedures and methodology please refer to Appendix A. Groundwater monitoring and sampling field notes for May 8, 1997 are included in Appendix F, for August 8, 1997 in Appendix G, for October 29, 1997 in Appendix H, for February 18, 1998 in Appendix I, for May 6, 1998 in Appendix J, for August 4, 1998 in Appendix K, for October 7, 1998 in Appendix L, for October 21, 1998 in Appendix M, for October 27, 1998 in

Appendix N, for February 2, 1999 in Appendix O, for April 13, 1999 in Appendix P, for April 27, 1999 in Appendix Q, and for September 13-14, 1999 in Appendix R.

Groundwater samples were preserved, chilled to 4°C, and delivered to Fort Monmouth Environmental Testing Laboratory, Fort Monmouth, New Jersey, where they were analyzed for volatile organic compounds (VOC+15), semivolatile organic compounds (SVOC+15), priority pollutant metals, pesticides, and polychlorinated biphenyls (PCBs).

1.4.5 Survey of the Monitoring Wells

The newly installed monitoring wells MW-12, MW-13, MW-14, M5MW-15, M5MW-16, M5MW-18, M5MW-19, M5MW-20, M5MW-23, M5MW-25, M8MW-23, and M8MW-24, were surveyed relative to NJGCS Monument Number 9235, with an elevation of 56.69 feet, by Frederick W. Kocen Jr., Professional Land Surveyor (License # 34008). Copies of the Ground Water Monitoring Well Certification - Form B - Location Certifications are attached in Appendix S.

1.4.6 Surface Water Sampling

Three surface water bodies – Parkers Creek, Lafetra Creek, and Mill Creek – flow near or adjacent to the Landfill M-5 site. Due to salinity concentrations greater than 3.5 parts per thousand at mean high tide, the surface water of these creeks are classified as SC - coastal saline waters and SE - saline waters of estuaries. Surface water sample SS-5 is located to the west of Landfill M-5, near the confluence of Mill Creek and Lafetra Creek. Surface water sample SS-4 is located to the northeast and downstream of Landfill M-5, along Parkers Creek. Sampling points SS-15 and SS-16 are located upstream from Landfill M-5, along Mill Creek. Between October 1996 and June 1999, periodic rounds of samples were collected from several surface water sampling points along these water bodies.

1.4.7 Aquifer Pump Testing

An aquifer testing program was conducted on June 14, 1999 to evaluate the hydraulic conductivity of the shallow aquifer. In-situ hydraulic conductivity of the shallow, saturated, unconsolidated materials underlying the site was determined by means of a constant discharge aquifer test.

Groundwater level data was collected from five groundwater monitoring wells (M5MW-16, M5MW-18, M5MW-20, M5MW-11, and M5MW-23) prior to the pumping test. Groundwater monitoring well M5MW-19 was chosen as the pumping well, and a submersible pump was suspended approximately 2 feet from the bottom of the well. Water level in the five monitoring wells were monitored during the test, the groundwater being measured manually using an electronic water level indicator. The pumping well was monitored using a pressure transducer and an electronic datalogger. Wells measured manually were checked every 15 minutes for the first hour and every 30 minutes until the end of the test. Immediately upon pump shutdown, recovery was measured with a data logger in the pumping well for approximately 35 minutes.

1.5 Remedial Investigation Results

1.5.1 Soil Quality

Between April 1998 and December 1998, a total of 261 soil samples were collected using a Geoprobe rig. The samples were collected from six inch interval above the water table interface, at depths ranging from 17 to 142 inches below ground surface (bgs). Laboratory analysis results are summarized on Table 1. Volatile organic compound (VOC) analysis revealed that only tetrachloroethene (PCE) was present in concentrations exceeding the NJDEP Impact to Groundwater Soil Cleanup Criteria (IGWSCC). PCE concentrations ranging from 0.320 to 3.300 milligrams per kilogram (mg/kg) were detected. Five soil samples were found to contain levels of PCE greater than 1 mg/kg (the IGWSCC for PCE). Concentrations of PCE in these five soil samples ranged from 1.1 mg/kg to 3.3 mg/kg, and are mapped on Figure 7. The analytical results are presented as Table 1, and the analytical data is included in Appendix C.

As per N.J.A.C. 7:26E-4.8, the average concentration for PCE was calculated to be 1.15 mg/kg, for the contaminated area (soil borings numbers 39, 40, 41, 68, 69, 70, 71, and 72). It is important to note that these exceedances are very minor relative to NJDEP-IGWSCC, and their detection immediately above the water table is likely indicative of impacted groundwater during the seasonal water table fluctuation rather than a soil source.

In addition to the soil samples discussed above, in an attempt to vertically delineate PCE concentrations in soil, three deep soil borings were advanced in March 1999 using a hollow stem auger drill rig. Soil samples were taken from various depths between 9 and 42 feet bgs at two of these borings, M5SB17 and M5SB23. At several depths, acetone and methylene chloride were detected in the soil at concentrations above their respective NJDEP IGWSCC; however, these analytes were also detected at elevated levels in associated method blanks and trip blanks. No other analytes were detected at levels exceeding their respective NJDEP IGWSCC. A summary of soil sampling analytical results is included in Table 1, and analytical data reports are included as Appendix C.

1.5.2 Groundwater Quality

Between April and December 1998, a total of 261 groundwater samples were collected using a Geoprobe technique (hydropunch). Laboratory analysis results are summarized on Table 2. VOC analysis revealed that trichloroethene (TCE), PCE, cis-1,2-dichloroethene, chlorobenzene, benzene, toluene, ethylbenzene, and total xylenes were present in concentrations above their respective method detection limits. Of these, TCE, PCE, cis-1,2-dichloroethene, chlorobenzene, and benzene were detected at concentrations exceeding their respective NJDEP GWQCs. TCE concentrations between 1.54 µg/L and 4.40 µg/L were detected in six Geoprobe locations. PCE concentrations between 1.00 µg/L and 1459.64 µg/L were detected at 105 Geoprobe locations across the site. Cis-1,2-dichloroethene concentrations between 0.48 µg/L and 16.47 µg/L were detected at 10 Geoprobe locations. Chlorobenzene concentrations between 2.01 µg/L and 73.23 µg/L were detected at five Geoprobe locations. Benzene concentrations were reported at concentrations between 1.13 µg/L and

15.89 µg/L in nine Geoprobe locations located north of Landfill M-5, at Landfill M-8. Toluene concentrations between 1.26 µg/L and 18.11 µg/L were reported at nine Geoprobe locations. Ethylbenzene concentrations between 1.13 µg/L and 5.70 µg/L were reported at seven Geoprobe locations. Total xylene concentrations between 1.52 µg/L and 16.82 µg/L were reported at 10 locations. These exceedances are mapped on Figure 8. Analytical data is presented as Appendix E.

Eleven rounds of groundwater monitoring well sampling events were conducted between May 1997 and September 1999. A total of fifteen monitoring wells located on and around Landfill M-5, were sampled. With the exception of groundwater monitoring wells MW-10, MW-11, and M8MW12 not every well was sampled for each round of sampling. Historically, separate phase hydrocarbons were not reported in any of the monitoring wells. The historical analytical results for each well are presented in Tables 3 through 17. Eight VOCs, four semivolatile organic compounds (SVOCs), and 23 metals were detected above their respective method detection limits in at least one sampling round apiece. Of these, tetrachloroethene (PCE) and ten metals (aluminum, arsenic, cadmium, iron, lead, manganese, sodium, mercury, silver, and zinc) were detected at concentrations exceeding their respective GWQCs. The PCE exceedances, ranging from 2.15 µg/L to 639.74 µg/L, are mapped on Figure 9. Five of the metals detected (aluminum, manganese, sodium, iron, and zinc) were found in concentrations below those determined for site-specific and Monmouth County maximum background levels. As mentioned in Weston's SIR, several natural and anthropogenic factors contribute to the wide range in concentrations of metals in soils. Soils derived from the glauconitic sands contain abundant iron, aluminum, calcium, magnesium, manganese, and potassium. Anthropogenic influences on the background metal concentrations include deposition of airborne dust, and historical applications of fertilizers, pesticides, and herbicides can account for the elevated levels of lead, cadmium, and arsenic. Silver was noted in several testing rounds at elevated levels; however, this analyte was also detected at elevated levels in associated method blanks. The last metal with a noted exceedance, mercury, was detected in one monitoring well located at Landfill M-8. This contaminant will be discussed in the Remedial Action Work Plan for Landfill M-8.

Historically, a decrease in PCE concentrations has been noted in all monitoring wells, except M5MW-15 and M5MW-16. In M5MW-15, PCE concentrations slightly increased from non-detect (ND) on April 14, 1999 and April 28, 1999 to 2.15 µg/L on September 13, 1999. In M5MW-16, PCE concentrations decreased from 96.57 µg/L on April 14, 1999 to 8.65 µg/L on April 28, 1999, then increased to 639.74 µg/L on September 14, 1999. In M8MW-12, PCE concentrations decreased from 4.27 µg/L on January 27, 1999 to ND on April 14, 1999 and April 28, 1999, then increased to 46.06 µg/L on June 22, 1999. Two other monitoring wells – MW-19 and MW-20 – have shown periodic increases in measured PCE concentrations, but the overall trend of these fluctuations is downward. Three PCE isopleth maps, from April 13 and 14, 1999, April 27 and 28, 1999, and September 13 and 14, 1999, sampling events are included as Figures 11, 12, and 13, respectively. The laboratory reports are included in Appendices F through R.

1.5.3 Surface Water Quality

Laboratory analysis results from the 14 rounds of surface water sampling are summarized on Table 18. VOC analysis revealed that acetone, cis-1,2-dichloroethene, methylene chloride, TCE, and PCE were present in concentrations above their respective method detection limits. Of these, only PCE was detected at concentrations exceeding its NJDEP Surface Water Quality Standard (SWQS) of 4.29 µg/L (as per N.J.A.C. 7:9-6.2 - September 1997). PCE concentrations ranging from 1.24 µg/L to 10.38 µg/L were detected. The exceedances are mapped on Figure 9. Analytical data is presented in Appendix T.

Referring to Figure 9, the latest stream sampling data (from June 29, 1999) shows that PCE concentrations at SS-15 (7.86 µg/L) and SS-16 (7.70 µg/L) were reported at higher concentrations than surface water collected from SS-4 (5.27 µg/L) and SS-5 (6.04 µg/L). Since SS-15 is located close to where the stream enters Fort Monmouth, and since SS-15 and SS-16 are located upstream of Landfill M-5, it suggests that surface water is impacted prior to flowing into Fort Monmouth property and that Landfill M-5 is not contributing to the PCE contamination of Mill Creek. This conclusion is further supported by the fact that sentinel wells MW-12, MW-13, and MW-14, which are located along the edge of Mill Creek, historically have never shown any PCE contamination, indicating that the PCE plume has not extended to the creek.

1.5.4 Aquifer Pump Test Results

The objective of this test was to determine aquifer parameters (transmissivity and storativity) by pumping MW-19 and measuring water level drawdown in observation wells MW-11, MW-16, MW-18, MW-20, and MW-23. Monitoring well MW-19 was pumped continuously at an average rate of approximately 2.5 gallons per minute for a period of 150 minutes. The recovery of the water level in the pumping well was measured for 33 minutes. Water level response in the wells were measured and recorded using an In-Situ Inc. Model SE 1000B data logger equipped with a 10-psi pressure transducer.

During the test, drawdown recorded in the observation wells did not exceed 0.01 feet. Because sufficient drawdown was not noted in the recovery wells, a single well aquifer test method was selected to interpret the pumping well drawdown and recovery data. This methodology does not allow for the determination of aquifer storativity.

Data from the tests were downloaded to a personal computer by use of proprietary software supplied by In-Situ Inc., and were analyzed by use of Aquifer^{win32} (version 1.25, Environmental Simulations, Inc.). The Jacob (Cooper and Jacob, 1946) straight line approximation of the Theis equation was applied to the time-drawdown data for well MW-19 to determine aquifer transmissivity. The results of the constant rate aquifer tests are summarized on the following table:

<i>Location</i>	Description of Test	Transmissivity (ft²/day)
MW-19	Single Well Drawdown	16.8

	Single Well Recovery	23.1
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Water level responses and data interpretation are presented in Appendix U.

Because the recovery data is not influenced by perturbations in the pumping rate, it is assumed that a transmissivity of 23.1 ft²/day is representative of the shallow unconfined aquifer.

1.6 Sensitive Receptor Survey

1.6.1 Well Search Data

All available DPW records and files were reviewed for information concerning wells within Fort Monmouth. Also, two Well Search reports prepared by Roy F. Weston, dated November 1993 and February 1994, were reviewed for information concerning wells within a one mile radius surrounding the center point of Landfill M-5. The well locations were plotted on a scaled map, included as Figure 14 and a well search summary is presented as Table 19.

The results of the well search indicate the following:

Monitoring Wells: 119 monitoring wells were identified within one mile of the site. These wells were completed at depths between ten and 28 feet, with open or screened intervals ranging between one and 28 feet.

Domestic Wells: Five domestic wells identified within one mile of the site. The depths of these wells ranged between 15 and 323 feet, with open or screened intervals ranging between 40 and 323 feet.

Irrigation Wells: Eight lawn irrigation wells were identified within one mile of the site. The depths of these wells ranged between 45 and 250 feet, with open or screened intervals ranging between 35 and 250 feet.

Public Supply Wells: No public supply wells were identified within one mile of the site.

1.6.2 Receptor Evaluation

Typically, soil, groundwater, and surface water impacts may give rise to concern about human and ecological receptors. However, in the case of Landfill M-5, based on the following, no receptors are expected to be impacted:

1. There are no concerns with respect to direct exposure by humans to impacted soil, because soil impacts were very minor and they exist at depth.
2. Since there are no domestic, irrigation or public supply wells immediately downgradient of Landfill M-5, and since impacted groundwater is expected to naturally attenuate in a very short distance (see Section 1.7), no concerns exist with respect to human exposure to impacted groundwater.

3. Although Mill Creek represents a potential ecological receptor, as discussed previously, Mill Creek is impacted by sources upgradient of Landfill M-5. Based on the discussion in Section 1.5.3 and the discussion in Section 1.7, the impacted groundwater in Landfill M-5 does not appear to have, and is not expected to adversely affect Mill Creek. This conclusion is further supported by the fact that sentinel wells MW-12, MW-13, and MW-14, which are located along the edge of Mill Creek, historically have never shown any PCE contamination, indicating that the PCE plume has not extended to the creek.

1.7 Classification Exception Area

A classification exception area (CEA) is a mechanism that has been established by the NJDEP to temporarily except a defined area where groundwater does not meet the GWQC. As required by the *Groundwater Quality Standards* (N.J.A.C 7:9-6 et seq.), a CEA must be established whenever constituent standards applicable to a groundwater classification area are not, or will not be met for the term of the remediation program. According to the NJDEP's *Final Guidance on Designation of Classification Exception Areas* (April 17, 1995), a CEA is defined by both physical boundaries, and the amount of time that will be required for the groundwater contaminant(s) to achieve compliance with the GWQC.

The Fort Monmouth DPW proposes that the CEA apply to tetrachloroethene (PCE), which is the only contaminant of concern at Landfill M-5. A CEA is appropriate for this site since all sources of contamination have been addressed, no receptors are at risk, and groundwater contamination remains above standards at a level where the residual contaminant plume will not migrate beyond the designated boundary set forth below.

The classification exception area was determined using the analytical solution model option. Darcy's law was used as the model and was used to predict the duration of the CEA and the distance the contaminant will migrate before groundwater quality standards are achieved.

Determination of the Duration of the CEA

A first order decay equation shown below, was used to calculate the duration of the CEA, since the degradation of the petroleum-based compounds has been shown to be logarithmic.

$$C = C_o * e^{-kt} \quad \text{--Eq. 1}$$

where,

C = Final concentration of the contaminant

C_o = Initial concentration of the contaminant

k = Reaction rate constant

t = Time in days

The reaction rate constant k can be determined by the following equation:

$$k = \frac{0.693}{t^{1/2}} \quad \text{--Eq. 2}$$

where,

$t^{1/2}$ = the half life of the corresponding contaminant in days

Data from monitoring well M5MW-20 was used to define the CEA due to its proximity to the source area, and since the consistently amount of the contaminant is detected in M5MW-20. The latest analytical data from monitoring well M5MW-20 (from the September 13, 1999 sampling event) indicated the presence of PCE at a concentration of 156.58 $\mu\text{g/L}$ (C_o). The final concentration of the contaminant will be 1 $\mu\text{g/L}$ (C) as per the NJDEP's Class II GWQC. As reported by John H. Montgomery in *Groundwater Chemicals Desk Reference, Second Edition* (Montgomery, 1996), significant degradation of PCE was observed after 28 days, and the amount lost due to volatilization after 10 days was 16-23%. As reported in *The Handbook of Environmental Degradation Rates* (Howard, et al., 1991) the low and high half life of PCE in ground water are estimated at 12 months and two years respectively. Based on these facts, an average value of 250 days was used for the half life ($t^{1/2}$) of PCE. Substituting the above values, the reaction rate constant, k is calculated as $0.00272 \text{ days}^{-1}$.

Rearranging **Equation 1**, the time duration of the CEA can be determined as follows:

$$t = \frac{\ln\left(\frac{C}{C_o}\right)}{-k} \quad \text{-- Eq. 3}$$

Substituting the values of C , C_o and k in **Equation 3**, the duration of the CEA is calculated as follows:

$$t = \frac{\ln\left(\frac{1}{156.58}\right)}{-0.00272}$$

$$t = 1,858 \text{ days (approximately 5 years)}$$

Calculation of the CEA Boundary

The boundary of the CEA is determined by calculating the distance of travel of the contaminant. Distance of travel is calculated from the pollutant transport rate. Seepage velocity (V_s) and Retardation factor (R_d) must be calculated for this purpose. The seepage velocity was calculated using the following equation:

$$V_s = \frac{(K * i)}{n_o} \quad \text{--Eq. 4}$$

where,

K= Hydraulic conductivity of the affected aquifer, (ft/day)

i = Hydraulic gradient (ft/ft)

n_o= Effective porosity

The average hydraulic conductivity from the pumping tests was determined to be 0.996 ft/day. The effective porosity of the formation (dense mixed grained sand) is taken as 30%. The hydraulic gradient at the site is calculated as 0.009 ft/ft. Substituting these values in **Equation 4**:

$$V_s = \frac{(0.996 * 0.009)}{0.3}$$

$$V_s = 0.029 \text{ ft/day}$$

The retardation factor was calculated using the equation:

$$R_d = 1 + \frac{(K_d * \rho_b)}{n_o} \quad \text{-- Eq. 5}$$

where,

ρ_b = bulk density of the formation

K_d = Distribution co-efficient

n_e = Effective porosity

The distribution co-efficient is calculated from the relation:

$$K_d = 0.63 * K_{ow} * f_{oc} \quad \text{-- Eq. 6}$$

where,

K_{ow} = n-octanol/water partition coefficient

f_{oc} = fraction of the organic carbon in the matrix

The results of the Total Organic Carbon (TOC) content in soil samples collected from the groundwater/soil interface indicated that TOC at the site is present at an average level of 5 mg/kg (See Technion, Inc. Testing & Research Laboratories test results for TOC included as Appendix C). From this the fraction of TOC in the soil matrix, f_c was determined to be 0.000005. According to the *Superfund Public Health Evaluation Manual* (United States Environmental Protection Agency, Office of Emergency and Remedial Response, 1986), the value of K_{ow} is 130. Substituting these values,

$$K_d = 0.63 * 130 * 0.000005$$

$$K_d = 0.00041$$

The bulk density of the formation was estimated as 1.5 g/cm³. Substituting the value of K_d, ρ_b and n_e into **Equation 5**, the retardation factor R_d is calculated as follows:

$$R_d = 1 + \frac{(0.00041 * 1.5)}{0.3}$$

$$R_d = 1.002$$

From the above parameters, the pollutant transport rate (V_{pt}) is determined by dividing the seepage velocity (V_s) by the retardation factor (R_d)

$$V_{pt} = \frac{V_s}{R_d} \quad \text{-- Eq. 7}$$

$$V_{pt} = \frac{0.029}{1.002}$$

$$V_{pt} = 0.0289 \text{ ft/day}$$

The distance traveled by the contaminant is calculated by the relationship, Distance = Transport Rate * Time

$$d = V_{pt} * t \quad \text{-- Eq. 8}$$

$$d = 0.0289 \text{ ft/day} * 1,858 \text{ days}$$

$$d = 53.70 \text{ ft}$$

From the calculations, it appears that the migration of contaminants from monitoring well M5MW-20 is very minimal (approximately 54 feet), and PCE concentrations can be expected to naturally attenuate within the property boundaries of the site. Monitoring wells MW-12, MW-13, and MW-14 were proposed as sentinel wells. The latitude and longitude (taken from the NJDEP Well Location Certification forms) of the monitoring wells that mark the area of the CEA are as follows:

Well No.	Latitude	Longitude
MW-12	40°18'48.9"	74°03'04.1"
MW-13	40°18'47.6"	74°03'03.7"
MW-14	40°18'45.7"	74°03'03.2"
M5MW-15	40°18'49.6"	74°02'54.9"
M5MW-18	40°18'48.2"	74°02'59.6"
M5MW-25	40°18'53.27	74°02'56.4"

Geographic Information System (GIS) format is required in cases of active or potential groundwater use within the boundaries of the CEA. Since no groundwater use within CEA boundaries is occurring or is anticipated to occur, the GIS format is not required for the Landfill M-5 site.

The DPW proposes a maximum CEA duration of five years, based on the estimated time for PCE to degrade to its GWQC of 1 µg/L, assuming natural degradation rates. The DPW anticipates that these degradation rates will be significantly increased as a result of implementation of proposed anaerobic bioremediation treatment (See Section 4.1).

1.8 Conclusions and Recommendations

Based on the investigation conducted to date the DPW concludes the following:

- A review of analytical results from Geoprobe soil samples revealed that only tetrachloroethene (PCE) concentrations exceeded the NJDEP IGWSCC, and that exceedances were discovered at five of 261 soil sample locations. It is important to note that these exceedances are very minor relative to NJDEP IGWSCC, and their detection immediately above the water table is likely indicative of impacted groundwater during the seasonal water table fluctuations rather than a soil source.
- In the Main Post area, groundwater is typically encountered at depths of 1.40 to 11.59 feet below ground surface. Ground water flow was calculated to be toward the west-northwest, toward Mill Creek, consistent with previous data.
- Historically, separate phase hydrocarbons were not reported in any of the monitoring wells.
- Groundwater analytical results from the permanent monitoring wells identified PCE as the only contaminant of concern across Landfill M-5, with exceedances of the NJDEP GWQC noted in eight monitoring wells. While several other analytes were detected at concentrations above their respective GWQC, these contaminants are not considered a concern for reasons discussed in Section 1.5 of this report.
- Historically, a decrease in PCE concentrations was noted in all monitoring wells, except M5MW-15, M5MW-16, and M8MW-12, as discussed in Section 1.5.2.
- The duration of the CEA for PCE was calculated to be 1,858 days (approximately five years).
- Groundwater PCE contamination is localized in seven areas of concern, limited in extent, and can be expected to naturally degrade overtime without significant migration.
- The surface water samples collected from four locations along Mill Creek, as well as groundwater analytical results from the sentinel wells MW-12, MW-13, and MW-14, show that the Landfill M-5 site is not a contributor of PCE contamination of Mill Creek.

Based on the above conclusions, the DPW proposes to implement a natural remediation program. Simultaneously, an aerobic and anaerobic bioremediation treatment program will be implemented to increase the degradation rate of the contaminant of concern (PCE) in groundwater at the Landfill M-5 and adjacent to Landfill M-5, below the NJDEP criteria.

2.0 STATEMENT OF INTENT TO COMPLETE N.J.A.C. 7:26E

It is the DPW's intention that adherence to the remediation program outlined in this RAWP will result in compliance with the criteria set forth in N.J.A.C. 7-26E (7/93).

3.0 APPLICABLE REMEDIATION STANDARDS

The remediation standards for the groundwater at Landfill M-5 its vicinity will be the NJDEP Ground Water Quality Criteria (GWQC) defined in N.J.A.C. 7:9-6. In the event the GWQC for a particular compound is numerically lower than the practical quantitation limit (PQL) for that compound, the PQL will be applied as the groundwater cleanup level. According to the most recent documentation from the NJDEP , the GWQC for PCE is 1.0 µg/L.

4.0 REMEDIAL ACTION ALTERNATIVES

4.1 Considered Remedial Actions

There are several technologies proven to be effective for remediating soil and groundwater contaminated with volatile organic compounds (VOCs). However, the applicability of these technologies is dependent on site-specific data, including the nature and extent of the contamination, and the geologic and hydrologic conditions. The following are brief descriptions of possible remedial alternatives based predominantly on their potential for treating VOCs. Site-specific conditions were fully considered during the selection of the best remedial alternative for Landfill M-5.

Excavation - Excavation is used to remove contaminated soils from the subsurface. Excavation can be a very effective site remedy when contamination is limited to shallow soils. Standard construction practices can excavate to a depth of 25 ft. Dewatering is required if contamination is located within the saturated zone. This is the best technology for small volumes. Excavated materials are treated either onsite or offsite, and returned to the excavation, or transported to an appropriate disposal facility. This technology only addresses soil contamination, but may be used in conjunction with other alternatives (i.e. natural attenuation) to address groundwater issues.

As mentioned in Section 1.5.1, PCE concentrations ranging from 0.320 to 3.300 mg/kg were detected in five soil samples collected from 6-inch intervals above the ground water table interface. This minor soil contamination could be attributed to vertical groundwater movement due to seasonal and tidal influences. Because these results are likely indicative of impacted seasonal groundwater rather than a soil source, the excavation remedial alternative is not suitable for Landfill M-5.

Two-Phase Vacuum Extraction - Two-Phase Vacuum Extraction (TPVE) consists of extracting contaminated ground water and soil vapors simultaneously using an array of extraction wells, separating the water and vapor phases, and passing each through a surface treatment system. The vapor phase is subsequently discharged to the atmosphere and the water phase is discharged to either the ground water, surface water, or a sanitary sewer. This technology addresses both soil and ground water contamination, and its benefits are most cost-effective when soil and groundwater concentrations are relatively high. In addition, TPVE often requires a follow-up remedial technology to further reduce contaminant concentrations to within NJDEP's regulatory limits. A pilot study must be performed to evaluate effectiveness prior to full-scale implementation.

Since PCE concentrations are relatively low at Landfill M-5, and for the reasons stated above, TPVE is not suitable for this site.

In-Situ Aeration (Air Sparging) - Air sparging treats contaminated groundwater by volatilizing organic compounds. Clean air is injected into the contaminated aquifer through vertical and/or horizontal wells. The air volatilizes the dissolved phase VOCs and transfers the contaminated vapors from the saturated zone into the unsaturated zone. The organic vapors are then extracted from the

unsaturated zone through a Soil Vapor Extraction (SVE) system and treated at a surface unit. A pilot study must be performed to evaluate effectiveness prior to full-scale implementation.

As mentioned in Section 1.2.4, ground water is typically encountered at depths of 2 to 9 feet bgs. Due to minimal thickness of the unsaturated zone, an SVE system likely could not be successfully operated. Also, the air injection into the aquifer should be performed under a rigorous control in order to prevent migration of the contamination toward the creek. Based on these factors, an air-sparging system is not suitable for Landfill M-5.

Pump and Treat - Contaminated ground water is extracted out of the ground with a system of pumping wells and is treated with an air stripper, carbon adsorption unit, or other pertinent treatment unit. Remediated water is then discharged to a ground water recharge zone, a stream, or a sanitary sewer. A pilot study must be performed to evaluate effectiveness prior to full-scale implementation. This is the most commonly used groundwater remediation technology.

As mentioned in Section 1.5.2, a decrease in PCE concentrations was noticed in all monitoring wells, except M5MW-15 and M5MW-16. Two other monitoring wells – MW-19 and MW-20 – have shown periodic increases in measured PCE concentrations, but the overall trend of these fluctuations is downward. Based on this fact and based on the aquifer pump test results (Section 1.5.4), which shows that during the pumping test drawdown recorded in the observation wells did not exceed 0.01 feet, this remedial alternative method is not suitable for Landfill M-5.

Natural Remediation - Natural remediation is a method of groundwater remediation where contaminant concentrations will decrease to applicable groundwater quality standards via degradation, retardation, or dispersion under present site conditions.

This alternative method is discussed in detail in Section 4.1.1 below.

Anaerobic Bioremediation - Biodegradation reduces contaminant mass by introducing contaminant-degrading microorganisms, or enhancing indigenous microbial activity within the contaminated area. The microorganisms convert the organic compounds to carbon dioxide, inorganic salts, and water. Bioremediation can be used in either in situ or ex situ environments. Bioremediation is a developed technology, and a variety of bioremediation systems have been used at remediation sites.

This alternative method is discussed in detail in Section 4.1.2 below.

4.1 Proposed Remedial Actions

The DPW proposes to use two corrective action remedial alternatives: natural remediation, and anaerobic bioremediation treatment. Bioremediation treatment will involve the injection of Hydrogen Release Compound (HRC) into the groundwater to increase the degradation rate of the contaminant of concern (PCE). The following sections describe the natural remediation program and the anaerobic bioremediation treatment system operation.

4.1.1 Natural Remediation

Natural remediation is a method of groundwater remediation where contaminant concentrations will decrease to applicable groundwater quality standards via degradation, retardation, or dispersion under present site conditions.

The following NJDEP requirements were factors that indicate that natural remediation is a viable course of action for this site:

- Groundwater contamination does not appear to be resulting from a specific soil source;
- Groundwater contamination at the site has been delineated;
- As mentioned in Section 1.5.2, a decrease in PCE concentrations was noticed in all monitoring wells, except M5MW-15, M5MW-16, and M8MW-12. Two other monitoring wells – MW-19 and MW-20 – have shown periodic increases in measured PCE concentrations, but the overall trend of these fluctuations is downward;
- Based upon the CEA calculation, the PCE contaminant plume will not migrate more than approximately 54 feet over a period of approximately five years;
- Mill Creek, a potential receptor, is contaminated with PCE from an off-site source; however, the on-site PCE groundwater contamination is not expected to contribute to the creek's contamination.

A groundwater monitoring/sampling program has been implemented by the DPW at the Landfill M-5 site. Three sentinel wells (M5MW-12, M5MW-13, and M5 MW-14) located along Mill Creek, and all groundwater monitoring wells at Landfill M-5 site will be sampled quarterly and the data generated will be evaluated to determine the effectiveness of natural remediation.

4.1.2 Anaerobic Bioremediation

Although PCE is expected to naturally attenuate, the DPW proposes to implement an anaerobic bioremediation system program to actively address the PCE groundwater contamination at the Landfill M-5 area.

The anaerobic bioremediation that the DPW proposes involves treatment of seven areas of concentrated chlorinated hydrocarbon contamination with Hydrogen Release Compound (HRC). HRC is a proprietary, food quality, polylactate ester that, upon being deposited into the subsurface, creates anaerobic aquifer conditions and causes the release of hydrogen. Under anaerobic conditions, naturally occurring microorganisms use the hydrogen to progressively remove chlorine atoms from chlorinated hydrocarbons via reductive dechlorination. HRC is a slow-release compound that will provide a steady hydrogen source for between six months and one year.

Design

With input from REGENESIS Bioremediation Products, the company that manufactures and markets HRC, seven areas were selected for HRC treatment. These sites are depicted on Figure 15. Placement of the treatment areas is intended to provide direct treatment of the areas of highest groundwater impact, as well as limit downgradient migration of affected groundwater.

The following assumptions were made for design purposes:

- A ten-foot thick zone of contamination will be treated with HRC.
- The HRC injection points will be located by imposing a 12 foot by 12 foot grid over each treatment area, and placing an injection point at the center of each grid square.
- HRC will be applied at a rate of 4 pounds/vertical foot.

Implementation

The HRC will be applied using direct push technology via 1.25-inch (outer diameter) Geoprobe rods. Injection points will be terminated at approximately 15 feet below surface grade. After completion of each injection point, a high-pressure pump will be used to inject the HRC compounds from bottom to top. It is assumed that between 10 to 15 HRC injection points and treatments will be performed per day.

Monitoring Program

Two weeks after the first HRC treatment is performed, a groundwater sampling event will be performed to evaluate the effectiveness of the treatment. All on site monitoring wells will be sampled and analyzed for VOC+10. After two more quarterly groundwater sampling and testing for VOCs, if a decrease in PCE concentration is reported, a second HRC treatment will be performed using the same methodology as during the first treatment. Based on the analytical results, the number of injection points in each treatment area may be modified. The effectiveness of the HRC treatment, methodologies, field activities, and analytical data will be reported to the NJDEP in quarterly progress reports.

The DPW reserves the right to revert to the natural remediation program in the event the anaerobic bioremediation program is deemed unsuccessful.

5.0 QUALITY ASSURANCE PROJECT PLAN

In order to maintain quality assurance, the DPW's SOP for Sample Handling will be followed during all sampling activities. This SOP is presented as Appendix A.

6.0 REQUIRED PERMITS

The Department of Public Works (DPW) will be responsible for obtaining the permit by rule from the NJDEP case manager prior to performing Hydrogen Release Compound (HRC) injection, using Geoprobe injection points, at Landfill M-5.

7.0 EROSION, DUST, AND ODOR CONTROL

Erosion, dust, and odor control measures are not deemed necessary due to the limited extent and duration of soil disturbance.

8.0 HEALTH AND SAFETY PLAN

The Department of Public Works (DPW) will be responsible for preparation of a site-specific Health and Safety Plan (HASP) encompassing installation of Geoprobe injection points, injection of hydrogen release compound (HRC), and groundwater sampling after bioremediation treatment.

9.0 SITE RESTORATION

All injection points drilled in order to perform chemical injection will be properly sealed by a New Jersey-licensed well sealer. The aboveground equipment (e.g. pumps, temporary structures, etc.) will be dismantled and removed from the site.

10.0 POST-REMEDIAL ACTION SAMPLING

The DPW proposes to continue monitoring Landfill M-5 with quarterly groundwater sampling events during the anaerobic bioremediation process. Once the NJDEP GWQC has been achieved for the contaminant of concern (i.e., PCE) in all related monitoring wells for three consecutive monitoring rounds, or if a decrease in PCE concentration is reported in all related monitoring wells for three consecutive monitoring rounds, the DPW proposes to discontinue the anaerobic bioremediation and conduct passive quarterly groundwater monitoring for a period of two years. The monitoring wells MW-10, MW-11, M5MW-15, M5MW-16, M5MW-18, M5MW-19, M5MW-20, M5MW-23, M5MW-25, M8MW-12, M8MW-23, and M8MW-24 and sentinel wells MW-12, MW-13, MW-14, will be sampled and analyzed for VOC+15. If the contaminant of concern remains below its GWQC for eight consecutive rounds of sampling, the DPW will apply to the NJDEP for No Further Action (NFA) status. Upon issuance of NFA status, the DPW will seal these monitoring wells.

11.0 ESTIMATED COST OF REMEDIAL ACTION WORKPLAN IMPLEMENTATION

The anticipated costs for implementing the proposed remedial action are summarized below:

REMEDICATION COSTS	
• Costs for Geoprobe injection points (phase I)	= \$33,120
• Costs for HRC treatment (phase I)	= \$41,040
• Costs for Geoprobe injection points (phase II)	= \$33,120
• Costs for HRC treatment (phase II)	= \$41,040
• Cost of engineering oversight (phase I and phase II)	= \$28,800
• Costs for groundwater sampling two weeks after injection	= \$23,000
• Costs for groundwater sampling quarterly for five years	= \$92,000
• Costs for quarterly progress reports (20 reports)	= \$23,000
POST-REMEDICATION COSTS	
• Costs for removal, restoration	= \$ 5,000
• Costs for groundwater sampling and laboratory (five years)	= \$92,000
• Costs for well abandonment	= \$20,000
• Costs for quarterly progress reports (20 reports)	= \$23,000
TOTAL REMEDIAL ACTION COSTS	= \$455,120

Notes:

Costs do not include permitting fees, NJDEP review fees, or disposal costs.

Costs assume that two bioremediation treatments will be performed.

Costs assume that remediation and post-remediation groundwater sampling will continue on a quarterly basis for two years.

12.0 PROPOSED SCHEDULE

Identification of Project Tasks:

- RAWP submittal and NJDEP approval
- Permitting for anaerobic remediation
- Anaerobic remediation
- Quarterly groundwater sampling events
- Preparation and submittal of quarterly progress reports (five years)
- Quarterly post-remedial sampling
- NJDEP approval of No Further Action

A schedule for the proposed remedial programs shown in Figure 16. If it becomes necessary to modify the schedule, the Department of Public Works (DPW) will submit a revised schedule to the New Jersey Department of Environmental Protection.

Table 1
Geoprobe Soil Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
NJDEP IGWSCC = 1 mg/kg

Boring Number	Depth (inches)	Tetrachloroethene	QA/QC
1	36	<0.270	U
2	36	<0.260	U
3	36	<0.280	U
4	40	<0.270	U
5	40	<0.270	U
6	40	<0.270	U
7	40	<0.290	U
8	36	<0.340	U
9	40	<0.290	U
10	46	<0.270	U
11	40	<0.280	U
12	40	<0.280	U
13	40	<0.280	U
14	40	<0.270	U
15	40	<0.290	U
16	40	0.780	
17	40	<0.320	U
18	40	<0.350	U
19	32	<0.280	U
20	40	<0.270	U
21	40	<0.270	U
22	40	<0.280	U
23	39	<0.270	U
24	39	0.440	
25	46	<0.300	U
26	40	<0.330	U
27	40	<0.320	U
28	40	<0.570	U
29	40	<0.270	U
30	40	0.320	
31	30	<0.270	U
32	40	<0.360	U
33	40	<0.320	U
34	40	<0.370	U
35	40	<0.320	U
36	40	<0.260	U
37	40	<0.280	U

All concentrations are given in milligrams per kilogram (mg/kg), equivalent to parts per million (ppm).

NR: Sample depth not reported.

QA/QC: Quality Assurance/Quality Control.

U: Analyte undetected in this sample.

NJDEP: New Jersey Department of Environmental Protection.

IGWSCC: Impact to Ground Water Soil Cleanup Criteria.

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Geoprobe Soil Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
NJDEP IGWSCC = 1 mg/kg

Boring Number	Depth (inches)	Tetrachloroethene	QA/QC
38	40	<0.250	U
39	30	1.100	
40	36	1.000	
41	36	<0.370	U
42	36	<0.370	U
43	36	<0.360	U
44	36	<0.320	U
45	36	<0.430	U
46	36	<0.280	U
48	38	<0.260	U
49	36	<0.280	U
50	36	<0.270	U
51	36	<0.300	U
52	36	<0.270	U
53	36	<0.290	U
54	36	<0.280	U
55	36	<0.330	U
56	40	<0.360	U
57	38	<0.330	U
58	36	<0.270	U
59	36	<0.260	U
60	40	<0.310	U
61	36	<0.280	U
62	30	<0.270	U
63	30	<0.260	U
64	30	<0.270	U
65	30	<0.280	U
66	30	<0.280	U
67	24	<0.270	U
68	30	<0.290	U
69	30	3.300	
70	30	1.400	
71	30	1.500	
72	30	<0.290	U
73	24	<0.280	U
74	24	<0.270	U
75	24	<0.270	U
76	24	0.770	

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Geoprobe Soil Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
NJDEP IGWSCC = 1 mg/kg

Boring Number	Depth (inches)	Tetrachloroethene	QA/QC
77	30	<0.370	U
78	36	<0.330	U
79	36	<0.290	U
80	36	<0.300	U
81	36	<0.290	U
82	36	<0.270	U
83	36	<0.270	U
84	30	<0.300	U
85	36	<0.270	U
86	36	<0.280	U
87	36	<0.270	U
88	24	<0.310	U
89	30	<0.290	U
90	30	<0.290	U
91	30	<0.280	U
92	30	<0.270	U
93	30	<0.280	U
94	30	<0.290	U
95	36	<0.300	U
96	36	<0.290	U
97	30	<0.340	U
98	36	<0.310	U
99	24	<0.300	U
100	35	<0.280	U
101	35	<0.260	U
102	35	<0.280	U
103	35	<0.280	U
104	76	<0.270	U
105	80	<0.260	U
106	70	<0.280	U
107	70	<0.270	U
108	46	<0.270	U
109	35	<0.270	U
110	45	<0.270	U
111	45	<0.270	U
112	94	<0.280	U
113	94	<0.250	U
114	94	<0.290	U

All concentrations are given in milligrams per kilogram (mg/kg), equivalent to parts per million (ppm).

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Table 1
Geoprobe Soil Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
NJDEP IGWSCC = 1 mg/kg

Boring Number	Depth (inches)	Tetrachloroethene	QA/QC
115	94	<0.260	U
116	94	<0.260	U
117	76	<0.270	U
118	79	<0.260	U
119	94	<0.260	U
120	94	<0.250	U
121	94	<0.260	U
122	94	<0.280	U
123	80	<0.240	U
124	80	<0.270	U
125	80	<0.270	U
126	118	<0.260	U
127	94	<0.270	U
128	94	<0.300	U
129	82	<0.260	U
130	82	<0.260	U
131	82	<0.260	U
132	82	<0.260	U
133	94	<0.300	U
134	82	<0.270	U
135	70	<0.270	U
136	94	<0.260	U
137	118	<0.260	U
138	118	<0.270	U
139	82	<0.280	U
140	80	<0.260	U
141	80	<0.270	U
142	80	<0.270	U
143	94	<0.270	U
144	94	<0.260	U
145	82	<0.270	U
146	84	<0.270	U
147	82	<0.260	U
148	82	<0.250	U
149	94	<0.260	U
150	76	<0.290	U
151	83	<0.260	U
152	83	<0.270	U

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Geoprobe Soil Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
NJDEP IGWSCC = 1 mg/kg

Boring Number	Depth (inches)	Tetrachloroethene	QA/QC
153	94	<0.260	U
154	94	<0.270	U
155	82	<0.270	U
156	82	<0.290	U
157	74	<0.270	U
158	30	<0.270	U
159	24	<0.290	U
160	24	<0.280	U
161	24	<0.280	U
162	17	<0.310	U
163	19	<0.330	U
164	36	<0.270	U
165	36	<0.270	U
166	24	<0.280	U
167	24	<0.280	U
168	24	<0.330	U
169	24	<0.340	U
170	47	<0.290	U
171	58	<0.270	U
172	58	<0.260	U
173	58	<0.260	U
174	45	<0.310	U
175	47	<0.260	U
176	83	<0.270	U
177	83	<0.260	U
178	24	<0.260	U
179	24	<0.270	U
180	24	<0.260	U
181	24	<0.280	U
182	73	<0.270	U
183	73	<0.260	U
184	78	<0.270	U
185	73	<0.270	U
186	73	<0.260	U
187	80	<0.280	U
188	18	<0.300	U
189	78	<0.270	U
190	78	<0.260	U

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Geoprobe Soil Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
NJDEP IGWSCC = 1 mg/kg

Boring Number	Depth (inches)	Tetrachloroethene	QA/QC
191	78	<0.250	U
192	78	<0.250	U
193	36	<0.260	U
194	72	<0.250	U
195	82	1.800	
196	82	<0.300	U
255	70	<0.260	U
256	70	<0.260	U
257	70	<0.260	U
258	70	<0.260	U
259	70	<0.250	U
260	70	<0.260	U
261	70	<0.280	U
262	70	<0.270	U
263	94	<0.270	U
264	94	<0.260	U
265	94	<0.260	U
266	48	<0.310	U
267	48	<0.260	U
268	48	<0.270	U
269	76	<0.290	U
270	76	<0.300	U
271	94	<0.280	U
272	88	<0.290	U
273	88	<0.270	U
274	112	<0.250	U
275	130	<0.330	U
276	130	<0.300	U
277	142	<0.280	U
278	142	<0.290	U
279	142	<0.340	U
280	142	<0.340	U
281	142	<0.320	U
282	142	<0.300	U
283	48	<0.300	U
284	48	<0.270	U
285	48	<0.280	U
286	48	<0.280	U

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Geoprobe Soil Sampling Analytical Results
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NJDEP IGWSCC = 1 mg/kg

Boring Number	Depth (inches)	Tetrachloroethene	QA/QC
287	87	<0.280	U
288	87	<0.260	U
289	46	<0.260	U
290	46	<0.310	U
291	46	<0.270	U
292	46	<0.320	U
293	46	<0.290	U
294	46	<0.290	U
295	70	<0.280	U
296	70	<0.250	U
297	70	<0.280	U
298	70	<0.310	U
299	70	<0.260	U
300	70	<0.270	U
301	84	<0.310	U
302	84	<0.290	U
303	84	<0.270	U
304	84	<0.270	U
305	84	<0.280	U
306	84	<0.270	U
307	102	<0.280	U
308	102	<0.270	U
310	102	<0.290	U
311	102	<0.270	U
312	102	<0.270	U
313	90	<0.290	U
314	90	<0.300	U
315	114	<0.270	U
316	114	<0.290	U
317	114	<0.290	U
318	114	<0.290	U

All concentrations are given in milligrams per kilogram (mg/kg), equivalent to parts per million (ppm).

NR: Sample depth not reported.

QA/QC: Quality Assurance/Quality Control.

U: Analyte undetected in this sample.

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IGWSCC: Impact to Ground Water Soil Cleanup Criteria.

Table 2
Geoprobe Groundwater Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey

	PCE	TCE	cis-1,2-DCE	Chlorobenzene	Benzene	Toluene	Ethylbenzene	Total Xylenes
M-5-B-1	10.17	nd	nd	nd	nd	nd	nd	nd
M-5-B-2	1.03	nd	nd	nd	nd	nd	nd	nd
M-5-B-3	1.85	nd	nd	nd	nd	nd	nd	nd
M-5-B-4	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-5	1.90	nd	nd	nd	nd	nd	nd	nd
M-5-B-6	6.18	nd	nd	nd	nd	nd	nd	nd
M-5-B-7	26.36	nd	nd	nd	nd	nd	nd	nd
M-5-B-8	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-9	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-10	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-11	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-12	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-13	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-14	6.52	nd	nd	nd	nd	nd	nd	nd
M-5-B-15	20.60	nd	nd	nd	nd	nd	nd	nd
M-5-B-16	8.14	nd	nd	nd	nd	nd	nd	nd
M-5-B-17	nd	nd	6.06	nd	nd	nd	nd	nd
M-5-B-18	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-19	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-20	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-21	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-22	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-23	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-24	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-25	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-26	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-27	nd	nd	nd	nd	1.32	5.22	nd	9.67
M-5-B-28	2.85	nd	nd	nd	2.60	10.48	2.00	16.82
M-5-B-29	2.81	nd	nd	nd	nd	4.20	nd	8.79
M-5-B-30	6.34	nd	nd	nd	1.13	5.29	nd	10.81
M-5-B-31	22.28	nd	nd	nd	nd	nd	nd	nd
M-5-B-32	4.85	nd	nd	nd	nd	nd	nd	nd
M-5-B-33	2.60	2.65	7.62	nd	nd	nd	nd	nd
M-5-B-34	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-35	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-36	5.04	nd	nd	nd	nd	nd	nd	nd
M-5-B-37	7.31	nd	nd	nd	nd	nd	nd	nd
M-5-B-38	4.76	nd	nd	nd	nd	nd	nd	nd
M-5-B-39	9.58	nd	nd	nd	nd	nd	nd	nd
M-5-B-40	2.92	nd	nd	nd	nd	nd	nd	nd
M-5-B-41	10.50	nd	nd	nd	nd	nd	nd	nd
M-5-B-42	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-43	1.04	nd	nd	nd	nd	nd	nd	nd
M-5-B-44	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-45	1.89	1.68	1.34	nd	nd	nd	nd	nd
M-5-B-46	9.74	1.52	nd	nd	nd	nd	nd	nd
M-5-B-47	4.11	nd	nd	nd	nd	nd	nd	nd
M-5-B-48	5.55	nd	nd	nd	nd	nd	nd	nd
M-5-B-49	nd	nd	nd	nd	nd	nd	nd	nd

Table 2
Geoprobe Groundwater Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey

	PCE	TCE	cis-1,2-DCE	Chlorobenzene	Benzene	Toluene	Ethylbenzene	Total Xylenes
M-5-B-50	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-52	167.22	nd	nd	nd	nd	nd	nd	nd
M-5-B-53	1.71	nd	nd	nd	nd	nd	nd	nd
M-5-B-54	2.22	nd	nd	nd	nd	nd	nd	nd
M-5-B-55	1.27	nd	nd	nd	nd	nd	nd	nd
M-5-B-56	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-57	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-58	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-59	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-60	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-61	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-62	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-63	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-64	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-65	50.17	nd	nd	nd	nd	nd	nd	nd
M-5-B-66	3.69	nd	nd	nd	nd	nd	nd	nd
M-5-B-67	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-68	20.61	nd	nd	nd	nd	nd	nd	nd
M-5-B-69	8.21	nd	nd	nd	nd	nd	nd	nd
M-5-B-70	6.67	nd	1.54	nd	nd	nd	nd	nd
M-5-B-71	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-72	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-73	6.10	nd	nd	nd	nd	nd	nd	nd
M-5-B-74	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-75	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-76	7.02	nd	nd	nd	nd	nd	nd	nd
M-5-B-77	nd	nd	1.99	nd	nd	nd	nd	nd
M-5-B-78	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-79	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-80	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-81	72.02	nd	nd	nd	nd	nd	nd	nd
M-5-B-82	40.51	nd	nd	nd	nd	nd	nd	nd
M-5-B-83	1.73	nd	nd	nd	nd	nd	nd	nd
M-5-B-84	9.92	nd	nd	nd	nd	nd	nd	nd
M-5-B-85	1.67	nd	1.59	nd	nd	nd	nd	nd
M-5-B-86	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-87	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-88	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-89	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-90	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-91	5.03	nd	nd	nd	nd	nd	nd	nd
M-5-B-92	1.93	nd	nd	nd	nd	nd	nd	nd
M-5-B-93	1.23	nd	nd	nd	nd	nd	nd	nd
M-5-B-94	1.08	nd	nd	nd	nd	nd	nd	nd
M-5-B-95	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-96	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-97	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-98	nd	nd	nd	nd	nd	nd	nd	nd

Table 2
Geoprobe Groundwater Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey

	PCE	TCE	cis-1,2-DCE	Chlorobenzene	Benzene	Toluene	Ethylbenzene	Total Xylenes
M-5-B-99	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-100	2.48	nd	nd	nd	nd	nd	nd	nd
M-5-B-101	2.66	nd	nd	nd	nd	nd	nd	nd
M-5-B-102	1.46	nd	nd	nd	nd	nd	nd	nd
M-5-B-103	1.37	nd	nd	nd	nd	nd	nd	nd
M-5-B-104	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-105	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-106	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-107	1.33	nd	nd	nd	nd	nd	nd	nd
M-5-B-108	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-109	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-110	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-111	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-112	1.22	nd	nd	nd	nd	nd	nd	nd
M-5-B-113	6.44	nd	nd	nd	nd	nd	nd	nd
M-5-B-114	3.21	nd	nd	nd	nd	nd	nd	nd
M-5-B-115	6.28	nd	nd	nd	nd	nd	nd	nd
M-5-B-116	2.68	nd	nd	nd	nd	nd	nd	nd
M-5-B-117	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-118	1.63	nd	nd	nd	nd	nd	nd	nd
M-5-B-119	3.74	nd	nd	nd	nd	nd	nd	nd
M-5-B-120	18.38	nd	nd	nd	nd	nd	nd	nd
M-5-B-121	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-122	1.00	nd	nd	nd	nd	nd	nd	nd
M-5-B-123	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-124	6.70	nd	nd	nd	nd	nd	nd	nd
M-5-B-125	6.21	nd	nd	nd	nd	nd	nd	nd
M-5-B-126	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-127	1.68	nd	nd	nd	nd	nd	nd	nd
M-5-B-128	5.30	nd	nd	nd	nd	nd	nd	nd
M-5-B-129	1.02	nd	nd	nd	nd	nd	nd	nd
M-5-B-130	23.65	nd	nd	nd	nd	nd	nd	nd
M-5-B-131	1.23	nd	nd	nd	nd	nd	nd	nd
M-5-B-132	1.20	nd	nd	nd	nd	nd	nd	nd
M-5-B-133	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-134	6.66	nd	nd	nd	nd	nd	nd	nd
M-5-B-135	7.20	nd	nd	nd	nd	nd	nd	nd
M-5-B-136	2.41	nd	nd	nd	nd	nd	nd	nd
M-5-B-137	3.73	nd	nd	nd	nd	nd	nd	nd
M-5-B-138	2.16	nd	nd	nd	nd	nd	nd	nd
M-5-B-139	1.78	nd	nd	nd	nd	nd	nd	nd
M-5-B-140	3.58	nd	nd	nd	nd	nd	nd	nd
M-5-B-141	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-142	3.89	nd	nd	nd	nd	nd	nd	nd
M-5-B-143	1.95	nd	nd	nd	nd	nd	nd	nd
M-5-B-144	2.12	nd	nd	nd	nd	nd	nd	nd
M-5-B-145	2.25	nd	nd	nd	nd	nd	nd	nd
M-5-B-146	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-147	2.90	nd	nd	nd	nd	nd	nd	nd
M-5-B-148	nd	nd	nd	nd	nd	1.26	nd	nd

Table 2
Geoprobe Groundwater Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey

	PCE	TCE	cis-1,2-DCE	Chlorobenzene	Benzene	Toluene	Ethylbenzene	Total Xylenes
M-5-B-149	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-150	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-151	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-152	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-153	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-154	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-155	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-156	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-157	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-158	4.22	nd	nd	nd	nd	nd	nd	nd
M-5-B-159	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-160	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-161	nd	nd	9.07	nd	nd	nd	nd	nd
M-5-B-162	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-163	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-164	2.11	nd	nd	nd	nd	nd	nd	nd
M-5-B-165	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-166	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-167	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-168	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-169	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-170	50.03	nd	nd	nd	2.67	nd	nd	nd
M-5-B-171	2.67	nd	nd	nd	nd	nd	nd	nd
M-5-B-172	1.95	nd	nd	nd	nd	nd	nd	nd
M-5-B-173	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-174	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-175	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-176	4.03	nd	nd	nd	nd	nd	nd	nd
M-5-B-177	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-178	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-179	nd	nd	nd	nd	nd	3.29	nd	nd
M-5-B-180	nd	nd	nd	nd	nd	1.61	nd	nd
M-5-B-181	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-182	13.54	nd	nd	nd	nd	nd	nd	nd
M-5-B-183	8.32	nd	nd	nd	nd	nd	nd	nd
M-5-B-184	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-185	2.07	nd	nd	nd	nd	nd	nd	nd
M-5-B-186	13.60	nd	nd	nd	nd	nd	nd	nd
M-5-B-187	12.65	nd	nd	nd	nd	nd	nd	nd
M-5-B-188	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-189	1.69	nd	nd	nd	nd	nd	nd	nd
M-5-B-190	1.02	nd	nd	nd	nd	nd	nd	nd
M-5-B-191	2.97	nd	nd	nd	nd	nd	nd	nd
M-5-B-192	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-193	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-194	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-195	3.17	1.98	1.96	nd	nd	nd	nd	nd
M-5-B-196	nd	nd	0.48	nd	nd	nd	nd	nd
M-5-B-255	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-256	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-257	1.15	nd	nd	nd	nd	nd	nd	nd

Table 2
Geoprobe Groundwater Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey

	PCE	TCE	cis-1,2-DCE	Chlorobenzene	Benzene	Toluene	Ethylbenzene	Total Xylenes
M-5-B-258	6.26	nd	nd	nd	nd	nd	nd	nd
M-5-B-259	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-260	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-261	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-262	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-264	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-265	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-266	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-267	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-268	nd	nd	1.74	nd	nd	nd	nd	nd
M-5-B-269	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-270	4.59	nd	nd	nd	nd	nd	nd	nd
M-5-B-271	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-272	5.14	4.40	16.47	nd	nd	nd	nd	nd
M-5-B-273	nd	nd	4.53	nd	nd	nd	nd	nd
M-5-B-274	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-275	nd	nd	nd	73.23	2.60	nd	1.83	15.18
M-5-B-276	nd	nd	nd	13.34	1.87	2.05	1.76	8.13
M-5-B-277	nd	nd	nd	nd	1.89	nd	nd	nd
M-5-B-278	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-279	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-280	nd	nd	nd	nd	1.98	nd	nd	nd
M-5-B-281	nd	nd	nd	30.34	8.52	nd	1.13	1.52
M-5-B-282	nd	nd	nd	52.25	15.89	nd	5.70	7.09
M-5-B-283	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-284	nd	nd	nd	2.01	nd	2.06	3.15	11.84
M-5-B-285	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-286	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-287	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-288	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-289	nd	1.99	12.18	nd	nd	nd	nd	nd
M-5-B-290	nd	nd	11.16	nd	nd	nd	nd	nd
M-5-B-291	nd	nd	2.28	nd	nd	nd	nd	nd
M-5-B-292	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-293	nd	nd	1.81	nd	nd	nd	nd	nd
M-5-B-294	nd	nd	4.61	nd	nd	nd	nd	nd
M-5-B-295	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-296	5.22	nd	nd	nd	nd	nd	nd	nd
M-5-B-297	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-298	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-299	2.52	nd	nd	nd	nd	nd	nd	nd
M-5-B-300	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-301	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-302	321.24	nd	nd	nd	nd	nd	nd	nd
M-5-B-303	1459.64	nd	nd	nd	nd	nd	nd	nd
M-5-B-304	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-305	3.36	nd	nd	nd	nd	nd	nd	nd
M-5-B-306	1.26	nd	nd	nd	nd	18.11	1.69	9.43
M-5-B-307	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-308	nd	nd	nd	nd	nd	nd	nd	nd

Table 2
Geoprobe Groundwater Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey

	PCE	TCE	cis-1,2-DCE	Chlorobenzene	Benzene	Toluene	Ethylbenzene	Total Xylenes
M-5-B-309	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-310	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-311	2.85	nd	nd	nd	nd	nd	nd	nd
M-5-B-312	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-313	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-314	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-315	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-316	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-317	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-318	nd	nd	nd	nd	nd	nd	nd	nd

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
 Concentrations exceeding the NJDEP Ground Water Quality Criteria (GWQC) are listed in bold print.
 PCE: tetrachloroethene.
 TCE: trichloroethene.
 cis-1,2-DCE: cis-1,2-dichloroethene.

Table 3
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-10, Landfill M-5
May 1997 - September 1999

Lab Sample ID Sample Date	2516.02 8-May-97	2885.04 8-Aug-97	3116.04 29-Oct-97	3348.01 18-Feb-98	3552.01 6-May-98	3784.03 4-Aug-98	4010.04 27-Oct-98	4237.03 2-Feb-99	4416.03 13-Apr-99	4444.03 27-Apr-99	4786.08 13-Sep-99	NJDEP GWQC (ug/L)
Volatiles												
Acetone	ND	ND	ND	ND	ND	5.08	9.43	ND	ND	ND	ND	700
2 - Butanone (MEK)	ND	ND	ND	ND	ND	ND	4.10	ND	ND	ND	ND	300
Semi-Volatiles												
Di-n-butylphthalate	2.51	30.78	2.13	6.20	ND	ND	ND	ND	ND	ND	ND	900
Bis (2 - ethylhexyl) phth	ND	ND	ND	ND	ND	ND	ND	5.57	ND	ND	ND	30
Pesticides/PCBs												
none detected												
Metals												
Aluminum	61.7	33.8	105.0	96	60.1	103	106	ND	43.9	44.5	ND	200
Antimony	ND	ND	ND	ND	ND	3.01	5.96	ND	ND	ND	ND	20
Arsenic	3.0	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	8
Barium	67.49	ND	78.0	108	99	26.5	34.4	114	93.2	89.5	40.4	2,000
Beryllium	0.19	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	20
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.28	0.560	4
Calcium	10650.0	8050.0	31340.0	17870	8165	10300	12900	15200	13100	14600	14400	NLE
Chromium	0.7	76.0	2.6	ND	ND	3.33	3.98	3.17	4.09	3.51	5.11	100
Cobalt	ND	ND	ND	ND	ND	ND	0.695	ND	ND	ND	ND	NLE
Copper	9.0	7.0	11.0	10	10.0	ND	6.27	5.29	22.1	8.55	10.1	1,000
Iron	4083.0	1680.0	7386.0	4899	6027	2850	3690	8760	6110	4320	4330	300
Lead	1.8	1.0	8.0	ND	ND	ND	2.45	ND	3.79	ND	ND	10
Magnesium	10,040.00	11160.0	16140.0	14860	5989	12500	13400	6920	8050	7990	14600	NLE
Manganese	87.0	59.0	200.0	138	75	35.4	47.8	175	135	152	66.7	50
Mercury	ND	ND	ND	ND	ND	0.19	ND	0.17	ND	ND	ND	2
Nickel	ND	ND	1.3	2.3	2.2	ND	1.53	1.81	0.584	1.16	ND	100
Potassium	9610.0	14410.0	13450.0	11160	6453	22700	20700	3300	6350	4990	15100	NLE
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	3.91	ND	ND	50
Silver	40.0*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20
Sodium	35250.0	29150.0	82150.0	114800	39780	23400	29100	42400	35200	39000	47100	50,000
Vanadium	ND	ND	ND	ND	2.9	1.51	2.67	1.54	1.44	1.44	1.58	NLE
Zinc	20.0	4.0	71.0	16	15.5	20.1	85.9	46.7	21.0	18.7	8.68	5,000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).

ND: Analyte not detected in sample.

NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.

NLE: No GWQC exists for this analyte.

* : Laboratory contamination

Table 4
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-11, Landfill M-5
May 1997 - September 1999

Lab Sample ID Sample Date	2516.01 8-May-97	2885.03 8-Aug-97	3116.03 29-Oct-97	3348.02 18-Feb-98	3552.02 6-May-98	3784.04 4-Aug-98	4010.03 27-Oct-98	4237.04 2-Feb-99	4416.04 13-Apr-99	4444.04 27-Apr-99	4786.07 13-Sep-99	NJDEP GWQC (ug/L)
Volatiles												
Acetone	ND	ND	ND	ND	ND	9.43	2.91	ND	ND	ND	ND	700
2 - Butanone (MEK)	ND	ND	ND	ND	ND	2.92	ND	ND	ND	ND	ND	300
Tetrachloroethene	62.85	57.74	64.96	39.33	24.39	18.37	52.64	5.16	33.38	12.84	49.25	1
Semi-Volatiles												
Di-n-butylphthalate	3.25	13.68	4.75	10.05	ND	ND	ND	ND	ND	ND	ND	900
Bis (2 - ethylhexyl) phth	ND	ND	ND	ND	ND	ND	5.28	ND	ND	ND	ND	30
Pesticides/PCBs												
none detected												
Metals												
Aluminum	76.7	55.1	669.0	222	ND	4570	78.8	267	92.9	92.0	ND	200
Arsenic	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8
Barium	12.23	ND	13.4	12	10.4	18.7	9.02	19.1	9.95	8.41	11.0	2,000
Beryllium	0.16	0.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	20
Cadmium	ND	ND	ND	ND	1.0	1.35	ND	ND	ND	1.74	0.556	4
Calcium	11750.0	8730.0	10060.0	10710	8788	19500	9090	14800	11700	11000	14100	NLE
Chromium	0.5	73.0	5.4	ND	ND	16.5	ND	3.34	1.72	1.39	2.11	100
Cobalt	20.0	ND	1.1	ND	ND	1.44	ND	ND	ND	0.870	0.648	NLE
Copper	4.0	4.0	16.0	17	6.8	3.37	7.86	ND	8.28	5.55	4.28	1,000
Iron	ND	110.0	1551.0	305	58	1500	184	1670	227	198	680	300
Lead	ND	ND	8.0	ND	ND	2.38	ND	ND	ND	ND	ND	10
Magnesium	4580.0	3630.0	3380.0	2990	2781	6090	2960	3930	3300	3660	7840	NLE
Manganese	45.0	66.0	12.7	32	6.4	16.9	7.74	44.4	9.71	18.0	16.5	50
Mercury	ND	ND	ND	ND	ND	ND	ND	0.18	ND	ND	ND	2
Nickel	ND	ND	3.9	4.9	4.3	3.19	3.87	2.94	2.62	2.28	2.62	100
Potassium	2250.0	2320.0	6120.0	5260	4573	33000	3480	8340	4340	2670	5420	NLE
Selenium	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
Silver	39.0*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20
Sodium	19470.0	20630.0	19220.0	14550	14570	20800	10200	22300	12400	15100	45900	50,000
Vanadium	ND	ND	1.0	ND	1.2	1.62	ND	1.75	ND	4.05	ND	NLE
Zinc	237.0	165.0	168.0	172	170	149	96.1	118	126	142	163	5,000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).

ND: Analyte not detected in sample.

NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.

NLE: No GWQC exists for this analyte.

*: Laboratory contamination

Table 5
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-12, Landfill M-5
October 1998 - September 1999

Lab Sample ID Sample Date	3967.03 7-Oct-98	3994.06* 21-Oct-98	4237.05 2-Feb-99	4416.05 13-Apr-99	4444.05 27-Apr-99	4786.06 13-Sep-99	NJDEP GWQC (ug/L)
Volatiles							
Acetone	9.00	ND	ND	ND	ND	ND	700
2 - Butanone (MEK)	13.66	ND	ND	ND	ND	ND	300
Semi-Volatiles							
none detected		*					
Pesticides/PCBs							
none detected							
Metals							
Aluminum	3310	359	1910	1880	6720	119	200
Arsenic	10	3.22	ND	ND	3.54	ND	8
Barium	224	157.0	112	103	67.8	243	2,000
Cadmium	ND	ND	1.37	0.954	3.97	0.788	4
Calcium	111000	98000	28200	17400	14300	152000	NLE
Chromium	28.5	5.87	13.2	14.8	31.6	13.3	100
Cobalt	1.5	ND	0.638	1.25	2.88	ND	NLE
Copper	40	ND	ND	11.1	11.0	ND	1,000
Iron	51400	28400	26600	29500	24600	36500	300
Lead	7	ND	5.45	7.66	16.2	ND	10
Magnesium	168000	145000	26300	20500	20200	284000	NLE
Manganese	1340	853	1030	263	84.0	566	50
Mercury	0.3	ND	0.16	ND	ND	ND	2
Nickel	5.7	ND	8.54	3.79	4.43	ND	100
Potassium	65300	42100	15900	18300	22600	89200	NLE
Sodium	1860000	1240000	235000	75300	65000	2040000	50,000
Vanadium	14	2.69	4.17	7.14	17.2	2.12	NLE
Zinc	116	ND	169	178	119	ND	5,000

* MW-12 was resampled on 10/26/98 (Sample #4006.01), because the original semi-volatile sample was broken.

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).

ND: Analyte not detected in sample.

NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.

NLE: No GWQC exists for this analyte.

Table 6
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-13, Landfill M-5
October 1998 - September 1999

Lab Sample ID Sample Date	3967.04 7-Oct-98	4001.03 23-Oct-98	4237.06 2-Feb-99	4416.06 13-Apr-99	4444.06 27-Apr-99	4786.05 13-Sep-99	NJDEP GWQC (ug/L)
Volatiles							
Acetone	6.34	ND	ND	ND	ND	ND	700
2 - Butanone (ME)	9.08	ND	ND	ND	ND	ND	300
Semi-Volatiles							
none detected							
Pesticides/PCBs							
none detected							
Metals							
Aluminum	1450	287	244	64.8	1150	225	200
Antimony	ND	ND	ND	ND	ND	2.61	20
Arsenic	4.0	ND	ND	ND	ND	ND	8
Barium	160	196	108	24.2	48.3	193	2,000
Cadmium	0.7	ND	0.886	ND	2.06	0.716	4
Calcium	64100	67000	13700	35100	15600	130000	NLE
Chromium	12.1	5.25	5.80	3.40	10.6	14.1	100
Cobalt	5.9	ND	ND	ND	1.27	0.576	NLE
Copper	5	ND	5.72	5.00	4.27	7.59	1,000
Iron	21800	11700	9810	1170	8350	9520	300
Lead	ND	ND	17.6	2.37	3.60	ND	10
Magnesium	113000	112000	9990	17700	12200	324000	NLE
Manganese	211	203	137	18.4	131	203	50
Mercury	ND	ND	0.17	ND	ND	ND	2
Nickel	11.8	ND	3.35	0.743	1.05	2.75	100
Potassium	55800	46400	5090	13100	8650	114000	NLE
Sodium	1160000	1030000	80100	7630	62700	2690000	50,000
Vanadium	8	2.48	3.05	ND	5.05	2.51	NLE
Zinc	106	ND	126	14.6	43.9	12.2	5,000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
 ND: Analyte not detected in sample.
 NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.
 NLE: No GWQC exists for this analyte.

Table 7
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-14, Landfill M-5
October 1998 - September 1999

Lab Sample ID Sample Date	3967.05 7-Oct-98	4001.04 23-Oct-98	4237.07* 2-Feb-99	4416.07 13-Apr-99	4444.07 27-Apr-99	4786.04 13-Sep-99	NJDEP GWQC (ug/L)
Volatiles							
Acetone	3.54	4.87	ND	ND	ND	ND	700
2 - Butanone (MEK)	2.97	3.18	ND	ND	ND	ND	300
Semi-Volatiles							
none detected							
Pesticides/PCBs							
none detected			*				
Metals							
Aluminum	1210	120	172	658	303	ND	200
Barium	33.4	23.5	31.2	81.8	33.9	22.4	2,000
Cadmium	0.7	ND	ND	0.670	1.15	0.655	4
Calcium	38000	34600	36100	16400	39600	41300	NLE
Chromium	10.8	1.16	5.25	9.65	3.37	3.31	100
Cobalt	2.3	ND	ND	0.662	ND	ND	NLE
Copper	ND	ND	8.60	7.48	ND	10.5	1,000
Iron	4740	911	1910	14000	2450	571	300
Lead	ND	ND	ND	6.77	ND	ND	10
Magnesium	23900	19300	17900	11600	18800	17600	NLE
Manganese	22.1	15.0	20.7	191	19.0	16.4	50
Mercury	0.2	ND	0.22	ND	ND	ND	2
Nickel	2.2	ND	1.96	2.70	ND	ND	100
Potassium	27000	16200	12900	7220	15100	13300	NLE
Sodium	45400	8970	9450	63400	9170	7290	50,000
Thallium	5	ND	ND	ND	3.44	ND	10
Vanadium	5	ND	ND	4.73	ND	ND	NLE
Zinc	26	ND	68.1	53.7	15.1	18.3	5,000

* MW-14 was resampled on 2/4/99 (Sample #4246.01), because the original pesticide/PCB sample was broken.

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).

ND: Analyte not detected in sample.

NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.

NLE: No GWQC exists for this analyte.

Table 8
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-15, Landfill M-5
April 1999 - September 1999

Lab Sample ID Sample Date	4419.04 14-Apr-99	4447.06 28-Apr-99	4788.05 14-Sep-99	NJDEP GWQC (ug/L)
Volatiles				
Tetrachloroethene (PC	ND	ND	2.15	1
Semi-Volatiles				
none detected				
Pesticides/PCBs				
none detected				
Metals				
Aluminum	606	564	702	200
Barium	184	180	153	2000
Beryllium	0.734	0.788	1.37	20
Cadmium	ND	1.98	1.13	4
Calcium	11100	7240	4890	NLE
Chromium	2.98	1.97	5.30	100
Cobalt	8.02	8.28	7.50	NLE
Copper	ND	ND	5.18	1000
Iron	654	108	1050	300
Magnesium	9370	10600	9050	NLE
Manganese	30.2	20.7	15.7	50
Mercury	ND	0.27	ND	2
Nickel	15.2	15.2	13.4	100
Potassium	4240	4540	4920	NLE
Sodium	11800	14000	10100	50000
Thallium	ND	5.17	ND	10
Vanadium	ND	ND	1.25	NLE
Zinc	91.4	91.0	122	5000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).

ND: Analyte not detected in sample.

NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.

NLE: No GWQC exists for this analyte.

Table 9
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-16, Landfill M-5
April 1999 - September 1999

Lab Sample ID Sample Date	4419.05 14-Apr-09	4447.07 28-Apr-99	4788.04 14-Sep-99	NJDEP GWQC (ug/L)
Volatiles				
Tetrachloroethene (PCE)	96.57	8.35	639.74	1
Semi-Volatiles				
none detected				
Pesticides/PCBs				
none detected				
Metals				
Aluminum	1030	1240	3510	200
Arsenic	ND	4.11	ND	8
Barium	101	156	149	2000
Beryllium	ND	ND	0.597	20
Cadmium	ND	2.62	7.58	4
Calcium	11200	12500	10800	NLE
Chromium	8.33	8.43	37.4	100
Cobalt	3.30	2.78	4.08	NLE
Copper	ND	ND	12.5	1000
Iron	4770	11800	11100	300
Magnesium	4020	3580	4990	NLE
Manganese	29.2	31.9	32.1	50
Nickel	6.65	5.88	10.8	100
Potassium	6230	8260	9670	NLE
Sodium	11700	15100	10000	50000
Thallium	ND	5.17	ND	10
Vanadium	3.42	3.47	16.1	NLE
Zinc	36.5	36.3	46.2	5000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).

ND: Analyte not detected in sample.

NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.

NLE: No GWQC exists for this analyte.

Table 10
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-18, Landfill M-5
April 1999 - September 1999

Lab Sample ID	4416.10	4444.10	4788.06	NJDEP
Sample Date	13-Apr-99	27-Apr-99	14-Sep-99	GWQC (ug/L)
Volatiles				
none detected				
Semi-Volatiles				
none detected				
Pesticides/PCBs				
none detected				
Metals				
Aluminum	327	61.1	541	200
Barium	41.8	47.0	104	2000
Cadmium	0.621	1.99	1.30	4
Calcium	18700	22200	22600	NLE
Chromium	1.97	1.02	4.06	100
Cobalt	0.996	0.916	3.11	NLE
Copper	5.04	ND	4.58	1000
Iron	6550	8140	9640	300
Lead	11.8	ND	ND	10
Magnesium	3380	3920	5800	NLE
Manganese	40.9	42.1	65.8	50
Mercury	0.12	ND	ND	2
Nickel	2.63	1.86	7.64	100
Potassium	6660	8150	7540	NLE
Sodium	8680	10200	15100	50000
Thallium	ND	4.32	ND	10
Zinc	34.2	19.6	52.9	5000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).

ND: Analyte not detected in sample.

NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.

NLE: No GWQC exists for this analyte.

Table 11
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-19, Landfill M-5
April 1999 - September 1999

Lab Sample ID Sample Date	4416.09 13-Apr-99	4444.09 27-Apr-99	4788.07 14-Sep-99	NJDEP GWQC (ug/L)
Volatiles				
Tetrachloroethene (PCE)	11.53	3.72	10.24	1
Semi-Volatiles				
none detected				
Pesticides/PCBs				
none detected				
Metals				
Aluminum	1110	1710	2320	200
Antimony	ND	ND	3.01	20
Barium	39.7	67.2	61.3	2000
Cadmium	ND	3.22	2.74	4
Calcium	18400	20000	14400	NLE
Chromium	10.6	12.1	32.8	100
Cobalt	0.888	1.36	4.79	NLE
Copper	6.31	ND	5.35	1000
Iron	7900	12300	9230	300
Lead	4.92	ND	ND	10
Magnesium	3800	4220	6380	NLE
Manganese	50.1	49.1	33.8	50
Mercury	0.11	ND	ND	2
Nickel	3.22	1.80	14.0	100
Potassium	8060	9650	8200	NLE
Sodium	9830	11300	24900	50000
Thallium	ND	4.93	ND	10
Vanadium	4.13	5.20	11.1	NLE
Zinc	34.5	21.3	56.2	5000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).

ND: Analyte not detected in sample.

NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.

NLE: No GWQC exists for this analyte.

Table 12
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-20, Landfill M-5
April 1999 - September 1999

Lab Sample ID Sample Date	4416.08 13-Apr-99	4444.08 27-Apr-99	4447.09 13-Sep-99	NJDEP GWQC (ug/L)
Volatiles				
Tetrachloroethene (PCE)	142.59	169.54	156.58	1
Semi-Volatiles				
none detected				
Pesticides/PCBs				
none detected				
Metals				
Aluminum	3150	2980	64.6	200
Barium	45.2	36.3	38.7	2000
Cadmium	ND	3.16	2.45	4
Calcium	17000	21600	14400	NLE
Chromium	30.7	24.9	2.80	100
Cobalt	1.84	2.11	2.15	NLE
Copper	4.46	6.08	6.05	1000
Iron	9380	7520	376	300
Lead	9.54	2.50	ND	10
Magnesium	6060	7270	5790	NLE
Manganese	36.6	29.2	28.0	50
Mercury	0.12	ND	ND	2
Nickel	6.43	5.41	6.13	100
Potassium	5860	6670	4330	NLE
Sodium	29200	35000	22000	50000
Vanadium	12.9	9.93	ND	NLE
Zinc	40.5	32.7	20.3	5000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).

ND: Analyte not detected in sample.

NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.

NLE: No GWQC exists for this analyte.

Table 13
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-23, Landfill M-5
April 1999 - September 1999

Lab Sample ID Sample Date	4419.08 13-Apr-99	4447.08 27-Apr-99	4447.03 13-Sep-99	NJDEP GWQC (ug/L)
Volatiles				
Tetrachloroethene (PCE)	84.93	44.43	29.53	1
Semi-Volatiles				
none detected				
Pesticides/PCBs				
none detected				
Metals				
Aluminum	148	195	1410	200
Barium	12.7	28.0	21.5	2000
Cadmium	1.17	2.89	0.786	4
Calcium	11700	24400	7180	NLE
Chromium	13.4	8.97	22.6	100
Cobalt	1.07	1.53	1.09	NLE
Copper	ND	ND	6.92	1000
Iron	848	1590	10700	300
Magnesium	2990	6840	2580	NLE
Manganese	9.64	19.8	10.4	50
Nickel	3.94	6.27	2.59	100
Potassium	3720	5640	3670	NLE
Sodium	16500	28300	12700	50000
Thallium	ND	6.70	ND	10
Vanadium	ND	ND	9.78	NLE
Zinc	30.8	31.2	17.8	5000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).

ND: Analyte not detected in sample.

NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.

NLE: No GWQC exists for this analyte.

Table 14
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-25, Landfill M-5
April 1999 - September 1999

Lab Sample ID Sample Date	4419.06 14-Apr-99	4447.04 28-Apr-99	4788.08 14-Sep-99	NJDEP GWQC (ug/L)
Volatiles				
Chloroform	1.47	ND	ND	6
Semi-Volatiles				
none detected				
Pesticides/PCBs				
none detected				
Metals				
Aluminum	5640	4630	151	200
Antimony	ND	ND	2.66	20
Barium	47.5	37.2	50.1	2000
Cadmium	1.05	3.63	0.895	4
Calcium	12100	15500	17700	NLE
Chromium	56.3	40.5	2.32	100
Cobalt	3.67	2.81	0.970	NLE
Copper	ND	14.3	ND	1000
Iron	18000	12300	8930	300
Lead	4.75	6.35	ND	10
Magnesium	6120	4960	3440	NLE
Manganese	41.9	48.3	43.9	50
Mercury	ND	0.16	ND	2
Nickel	8.13	7.43	ND	100
Potassium	9700	8700	8110	NLE
Sodium	18900	25200	8680	50000
Thallium	ND	3.58	ND	10
Vanadium	22.4	15.6	ND	NLE
Zinc	78.4	94.1	22.1	5000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).

ND: Analyte not detected in sample.

NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.

NLE: No GWQC exists for this analyte.

Table 15
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M8MW-12, Landfill M-8
June 1997 - June 1999

Lab Sample ID Sample Date	2731.03 24-Jun-97	2930.06 25-Aug-97	3125.06 31-Oct-97	3366.03 25-Feb-98	3619.03 4-Jun-98	3843.07 28-Aug-98	4029.03 4-Nov-98	4227.03 27-Jan-99	4419.07 14-Apr-99	4447.05 28-Apr-99	4566.03 22-Jun-99	4811.04 23-Sep-99	NJDEP GWQC (ug/L)
Volatiles													
Methylene Chloride	ND	ND	3.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
2 - Butanone (MEK)	ND	ND	ND	ND	ND	2.50	ND	ND	ND	ND	2.89	ND	300
Toluene	ND	ND	1.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	1000
Tetrachloroethene	5.04	4.96	7.64	2.25	5.49	5.56	21.68	4.27	ND	ND	46.06	11.77	1
Semi-Volatiles													
4 - Methylphenol	ND	ND	ND	ND	1.03	ND	ND	ND	ND	ND	ND	ND	NLE
Di - n - butylphthalate	ND	ND	23.36	5.49 B	ND	ND	ND	ND	ND	ND	ND	ND	900
bis (2-Ethylhexyl)phthalate	1.51	ND	ND	2.48	ND	ND	2.23	ND	ND	ND	ND	ND	30
Pesticides/PCBs													
none detected													
Metals													
Aluminum	56.4	170.4	182.0	7205	1210	6580	1110	5040	373	265	197	1930	200
Antimony	ND	ND	ND	ND	ND	4.83	ND	ND	ND	ND	ND	ND	20
Arsenic	ND	ND	ND	7.0	2.6	6.10	ND	ND	ND	ND	ND	ND	8
Barium	6.4	ND	5.8	28.6	9.3	25.9	7.16	14.8	7.85	7.26	8.49	9.31	2000
Beryllium	ND	ND	ND	ND	ND	0.797	ND	ND	ND	ND	ND	ND	20
Cadmium	ND	ND	ND	ND	ND	ND	ND	1.81	ND	0.579	0.841	ND	4
Calcium	10240.0	8750.0	7750.0	4190	5161	9480	10300	4950	6210	6660	18200	7650	NLE
Chromium	ND	83.0	2.3	53.3	1.4	56.0	8.23	42.5	2.91	1.52	1.53	14.40	100
Cobalt	ND	ND	ND	1.2	ND	1.06	0.778	1.54	0.959	0.703	0.947	0.636	NLE
Copper	5.0	9.0	9.0	16	3.6	ND	ND	36.8	ND	ND	ND	11.0	1000
Iron	370.0	760.0	378.0	18860	6520	18800	3360	16700	3750	2040	1380	5190	300
Lead	ND	1.0	19.0	10	ND	12.6	ND	3.00	ND	ND	ND	ND	10
Magnesium	3330.0	43.0	1990.0	2690	1337	3890	3120	2390	1390	1350	4410	2330	NLE
Manganese	22.0	4000.0	7.7	34.8	14.1	55.5	13.0	27.3	8.98	6.31	13.6	12.9	50
Mercury	ND	ND	ND	0.5	ND	0.11	ND	ND	ND	0.14	ND	ND	2
Nickel	ND	ND	1.9	6.0	3.9	5.18	12.7	6.04	ND	ND	4.40	3.26	100
Potassium	2510.0	2550.0	2310.0	5710	2692	12000	3400	4430	1750	1560	3120	3130	NLE
Selenium	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
Silver	28.0*	25.0*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20
Sodium	38400.0	32350.0	18610.0	15640	16820	30700	ND	20800	14300	13700	38000	25000	50000
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	4.10	6.04	ND	ND	10
Vanadium	ND	ND	ND	29	7.8	28.3	4.96	20.7	2.27	1.55	1.21	8.26	NLE
Zinc	18.0	2.0	51.0	55	7.7	ND	43.4	39.8	11.9	9.70	ND	16.2	5000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).

ND: Analyte not detected in sample.

NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.

NLE: No GWQC exists for this analyte.

*: Laboratory contamination

Table 16
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M8MW23, Landfill M-8
April 1999

Lab Sample ID Sample Date	4419.09 13-Apr-99	4447.09 27-Apr-99	4811.16 23-Sep-99	NJDEP GWQC (mg/L)
Volatiles				
cis-1,2-Dichloroethene	ND	2.74	6.44	10
Vinyl Chloride	ND	ND	1.18	5
Trichloroethene	ND	ND	1.94	1
Tetrachloroethene (PCE)	6.56	ND	1.62	1
Semi-Volatiles				
none detected				
Pesticides/PCBs				
none detected				
Metals				
Aluminum	8440	150	27.6	200
Arsenic	26.4	15.8	3.47	8
Barium	142	65.9	89.9	2000
Beryllium	0.723	ND	ND	20
Cadmium	6.11	1.13	0.607	4
Calcium	24900	30700	28000	NLE
Chromium	58.9	4.30	5.63	100
Cobalt	18.2	13.2	1.55	NLE
Copper	371	ND	21.4	1000
Iron	27700	1940	5290	300
Lead	464	8.10	5.92	10
Magnesium	10800	7640	10700	NLE
Manganese	1720	787	1280	50
Mercury	2.74	0.18	ND	2
Nickel	47.4	31.8	6.15	100
Potassium	10100	5780	5260	NLE
Sodium	19200	28200	46900	50000
Vanadium	31.5	ND	ND	NLE
Zinc	5440	3690	237	5000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).

ND: Analyte not detected in sample.

NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.

NLE: No GWQC exists for this analyte.

Table 17
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M8MW24, Landfill M-8
April 1999

Lab Sample ID Sample Date	4419.03 14-Apr-99	4447.03 28-Apr-99	4811.17 23-Sep-99	NJDEP GWQC (ug/L)
Volatiles				
Chlorobenzene	ND	ND	1.01	4
Ethylbenzene	1.78	ND	4.05	700
Total Xylenes	6.04	1.16	10.76	1000
Semi-Volatiles				
2,4-Dimethylphenol	ND	3.14	ND	100
Naphthalene	1.24	ND	3.24	NLE
Bis(2-Ethylhexyl)phthalate	ND	ND	1.74	30
Pesticides/PCBs				
none detected				
Metals				
Aluminum	531	5960	327	200
Antimony	ND	3.50	ND	20
Arsenic	ND	7.16	3.77	8
Barium	96.1	262	276	2000
Cadmium	ND	2.89	1.83	4
Calcium	384000	409000	470000	NLE
Chromium	8.01	39.3	8.75	100
Cobalt	1.17	2.07	ND	NLE
Copper	22.4	196	29.3	1000
Iron	13100	13500	36600	300
Lead	50.5	385	27.1	10
Magnesium	21100	25500	29200	NLE
Manganese	885	1260	1500	50
Mercury	ND	1.03	0.2	2
Nickel	1.51	7.97	3.59	100
Potassium	10000	15100	16700	NLE
Selenium	7.13	10.6	ND	50
Silver	ND	18.6	ND	20
Sodium	15400	29600	59600	50000
Vanadium	2.64	21.3	3.74	NLE
Zinc	85.3	779	69.1	5000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).

ND: Analyte not detected in sample.

NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.

NLE: No GWQC exists for this analyte.

Table 18
Periodic Stream Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey

Stream Sampling Location SS-4
October 1996 - June 1999

Lab Sample ID Sample Date	8-Oct-96	25-Nov-96	12-Dec-96	29-Jan-97	26-Feb-97	10-Mar-97	8-Apr-97	17-Jul-97	30-Oct-97	10-Feb-98	21-Apr-98	19-Aug-98	17-Nov-98	25-Feb-99	4579.14 29-Jun-99	NJDEP SWQS (ug/L)
Acetone	NA	NA	NA	30.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NLE
cis - 1,2 - Dichloroethene	NA	NA	NA	1.16	1.14	ND	2.18	1.63	ND	ND	ND	1.92	1.19	ND	2.41	NLE
Methylene chloride	3.75	3.03	3.62	2.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1600
Trichloroethene (TCE)	0.64	1.60	0.75	ND	ND	ND	ND	ND	ND	ND	ND	1.10	ND	ND	1.56	81
Tetrachloroethene (PCE)	2.35	6.26	2.28	4.42	6.37	2.33	ND	1.61	1.24	6.61	4.42	2.85	1.62	5.61	5.27	4.29

Stream Sampling Location SS-5
October 1996 - June 1999

Lab Sample ID Sample Date	8-Oct-96	25-Nov-96	12-Dec-96	29-Jan-97	26-Feb-97	10-Mar-97	8-Apr-97	17-Jul-97	30-Oct-97	10-Feb-98	21-Apr-98	19-Aug-98	17-Nov-98	25-Feb-99	4579.15 29-Jun-99	NJDEP SWQS (ug/L)
Acetone	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NLE
cis - 1,2 - Dichloroethene	NA	NA	NA	1.19	ND	ND	1.80	3.66	1.83	ND	ND	2.28	1.67	ND	2.74	NLE
Methylene chloride	3.52	3.08	3.47	3.41	ND	ND	1.96	ND	ND	ND	ND	ND	ND	ND	ND	1600
Trichloroethene (TCE)	0.81	1.86	0.71	1.04	ND	ND	ND	ND	ND	ND	ND	1.27	ND	ND	1.74	81
Tetrachloroethene (PCE)	2.76	7.53	2.98	4.76	5.32	2.42	2.28	3.54	1.70	6.34	4.48	3.39	2.17	5.45	6.04	4.29

Only detected compounds are listed.

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).

NA: Sample not analyzed for this parameter.

ND: Parameter not detected in this sample.

NLE: No regulatory limit has been established for this parameter.

SWQS: New Jersey Department of Environmental Protection Surface Water Quality Standards.

Exceedances of the NJDEP SWQS are highlighted and printed in bold-faced type.

Table 18, continued
 Periodic Stream Sampling Analytical Results
 Fort Monmouth Main Post, Fort Monmouth, New Jersey

Stream Sampling Location SS-15
 October 1996 - June 1999

Lab Sample ID Date	8-Oct-96	25-Nov-96	12-Dec-96	29-Jan-97	26-Feb-97	10-Mar-97	8-Apr-97	17-Jul-97	30-Oct-97	10-Feb-98	21-Apr-98	19-Aug-98	17-Nov-98	25-Feb-99	4579.11 29-Jun-99	NJDEP SWQS (ug/L)
Acetone	NA	NA	NA	4.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NLE
cis - 1,2 - Dichloroethene	NA	NA	NA	1.57	1.46	ND	2.69	5.53	2.57	ND	1.22	3.89	ND	ND	4.17	NLE
Methylene chloride	3.85	2.98	5.51	2.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1600
Trichloroethene (TCE)	2.58	2.54	1.31	1.33	ND	ND	1.60	2.50	ND	1.03	1.21	3.06	ND	ND	2.40	81
Tetrachloroethene (PCE)	8.41	10.38	5.63	5.68	7.84	3.39	6.00	7.12	2.72	6.90	5.72	5.39	ND	7.33	7.86	4.29

Stream Sampling Location SS-16
 November 1996 - June 1999

Lab Sample ID Date	25-Nov-96	12-Dec-96	29-Jan-97	26-Feb-97	10-Mar-97	8-Apr-97	17-Jul-97	30-Oct-97	10-Feb-98	21-Apr-98	19-Aug-98	17-Nov-98	25-Feb-99	4579.12 29-Jun-99	NJDEP SWQS (ug/L)
Acetone	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NLE
cis - 1,2 - Dichloroethene	NA	NA	1.30	1.27	ND	2.05	2.55	1.76	ND	ND	2.94	ND	ND	3.56	NLE
Methylene chloride	3.08	4.65	3.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1600
Trichloroethene (TCE)	1.86	1.00	1.14	1.20	ND	1.26	ND	ND	ND	ND	1.63	ND	ND	2.25	81
Tetrachloroethene (PCE)	7.53	3.82	5.19	6.75	2.31	4.47	4.72	1.86	6.23	4.58	4.33	1.48	6.06	7.70	4.29

Only detected compounds are listed.

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).

NA: Sample not analyzed for this parameter.

ND: Parameter not detected in this sample.

NLE: No regulatory limit has been established for this parameter.

SWQS: New Jersey Department of Environmental Protection Surface Water Quality Standards.

Exceedances of the NJDEP SWQS are highlighted and printed in bold-faced type.

**Table 19
Well Search Summary
Fort Monmouth Main Post
Fort Monmouth, New Jersey**

Well ID Number	Well Owner	Well Address	Total Depth (feet bgs)	Casing Length (feet)	Static Water Elevation (feet bgs)	Use Code	NJDEP Permit Number
5	Eatontown Senior Housing	55 Wyckoff Rd., Eatontown	192	177	25	G	29-15006
14	Shell Oil Company	Block 100, Lot 25, Oceanport	12	2	4	M	29-24953
15	Shell Oil Company	Block 100, Lot 25, Oceanport	12	2	3	M	29-24953
16	Shell Oil Company	Block 100, Lot 25, Oceanport	12	2	3	M	29-24953
17	Shell Oil Company	Block 100, Lot 25, Oceanport	11	2	3	M	29-24953
34	Boro of Eatontown	Block 14, Lot 17, Eatontown	20	10	12.1	M	29-28236
35	Dennis Bertweiler	Orchard St. Block 73, Lot 36,	67	52	16	D	29-23690
36	Walter and Particia Zinn	92 Sunnybrook Dr., Shrewsbury Boro	50	50	5	G	29-22571
37	V. J. Russo Realty	170 Ave. of Commons, Shrewsbury Boro	250	245	4	G	29-27756
38	Price Communications Corp.	1 Register Plaza, Shrewsbury Boro	28	15	8	M	29-26185
39	A. Khristiansen	Trafalger Pl., Block 69.04, Lot 4, Shrewsbury Boro	50	50	5	G	29-22571
40	H. Kodama	83 Sunnybrook Dr., Shrewsbury Bro	250	210	8	D	29-26704
41	Boro of Eatontown	Block 14, Lot 17, Eatontown	20	10	11.7	M	29-29158
42	Boro of Eatontown	Block 14, Lot 17, Eatontown	18	8	10.1	M	29-29159
43	Bill Rudolph	Relwof Ave., Block 98, Lot 1 and 2, Oceanport	45	35	2	G	29-21780
44	Kleiner Bros.	Allenhurst and Myrtle Aves.,	50	40	5	D	29-6499
64	Travis Thomas	112 Orchid St., Oceanport	323	317	16	D, G	29-14244
65	N. J. Transit	Silverside and Fairview Ave.,	*	*	*	M	29-13825
97	Shell Oil Company	1 Main St., Oceanport	10	2	2.5	M/S	29-12553
98	Shell Oil Company	1 Main St., Oceanport	9	1	2	M/S	29-12554
99	Shell Oil Company	1 Main St., Oceanport	9	1	2	M/S	29-12555
100	Anthony S. Camara	121 Horseneck Point Rd., Oceanport	15	12	5	D	29-5084
101	Bridgewater Townhouse	57 Bridgewater Dr., Oceanport	180	155	12	G	29-22549
113	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	4.38	M	29-14180
114	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	5.1	M	29-14181

Table 19
Well Search Summary
Fort Monmouth Main Post
Fort Monmouth, New Jersey

Well ID Number	Well Owner	Well Address	Total Depth (feet bgs)	Casing Length (feet)	Static Water Elevation (feet bgs)	Use Code	NJDEP Permit Number
115	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	4.47	M	29-14182
116	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	4.39	M	29-14183
117	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	4.75	M	29-14184
118	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	4.10	M	29-14185
119	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	4.82	M	29-14186
120	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	4.30	M	29-14187
121	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	4.54	M	29-14188
122	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	4.34	M	29-14189
123	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	4.22	M	29-14190
124	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	3.9	M	29-14191
125	Shell Oil Company	Rte. 35 and South St., Eatontown	14.83	4	4	E	29-14192
127	Vincent J. Russo, builder	Block 70.1, Lot 90, Shrewsbury	184	165	5	G	29-14168
128	William Godspeed	30 Alwin Terrace, Little Silver	173	158	6	G	29-22526
129	Exxon Company, USA	Branch & Sycamore Ave., Little Silver	15	5	*	M	29-23732
130	Exxon Company, USA	Branch & Sycamore Ave., Little Silver	15	5	*	M	29-23733
131	Exxon Company, USA	Branch & Sycamore Ave., Little Silver	15	5	*	M	29-23734
132	Exxon Company, USA	Branch & Sycamore Ave., Little Silver	15	5	*	M	29-23735
133	Exxon Company, USA	Branch & Sycamore Ave., Little Silver	15	5	*	M	29-23738
134	Exxon Company, USA	Branch & Sycamore Ave., Little Silver	15	4	*	M	29-23739
135	Exxon Company, USA	Branch & Sycamore Ave., Little Silver	15	5	*	M	29-23740
136	Exxon Company, USA	Branch & Sycamore Ave., Little Silver	15	5	*	M	29-23741
137	Exxon Company, USA	Branch & Sycamore Ave., Little Silver	20	5	7	M	29-27072

Table 19
Well Search Summary
Fort Monmouth Main Post
Fort Monmouth, New Jersey

Well ID Number	Well Owner	Well Address	Total Depth (feet bgs)	Casing Length (feet)	Static Water Elevation (feet bgs)	Use Code	NJDEP Permit Number
138	Exxon Company, USA	Branch & Sycamore Ave., Little Silver	16	3	6	M	29-29208
139	Hunter's Superior Service	333 Willow Dr., Little Silver	10	1	6.36	M	29-12793
140	Hunter's Superior Service	333 Willow Dr., Little Silver	10	1	7.08	M	29-12794
141	Hunter's Superior Service	333 Willow Dr., Little Silver	10	1	6.34	M	29-12795
142	Hunter's Superior Service	333 Willow Dr., Little Silver	10	1	7.59	M	29-12796
143	Hunter's Superior Service	333 Willow Dr., Little Silver	10	1	6.63	M	29-12797
144	Hunter's Superior Service	333 Willow Dr., Little Silver	10	1	6.07	M	29-12798
145	Citgo Oil Co.	700 Branch Ave., Little Silver	9	1	*	M	29-12785
146	Citgo Oil Co.	700 Branch Ave., Little Silver	9	1	*	M	29-12786
147	Citgo Oil Co.	700 Branch Ave., Little Silver	9	1	*	M	29-12787
148	Citgo Oil Co.	700 Branch Ave., Little Silver	10	1	*	M	29-12788
149	Citgo Oil Co.	700 Branch Ave., Little Silver	9	1	*	M	29-12789
150	Citgo Oil Co.	700 Branch Ave., Little Silver	9	1	*	M	29-12790
151	Citgo Oil Co.	700 Branch Ave., Little Silver	9	1	*	M	29-12792
152	Citgo Oil Co.	700 Branch Ave., Little Silver	10	1	*	M	29-12793
153	Mobil Oil Corporation	700 Branch Ave., Little Silver	11	1	*	M	29-12794
154	Mobil Oil Corporation	700 Branch Ave., Little Silver	11	1	*	M	29-12795
155	Mobil Oil Corporation	700 Branch Ave., Little Silver	15	5	7	M	29-25317
156	Mobil Oil Corporation	Hwy. 35 and Tinton Ave., Eatontown	15	2	7	M	29-25316
157	Mobil Oil Corporation	Hwy. 35 and Tinton Ave., Eatontown	15	5	7	M	29-25318
158	Mobil Oil Corporation	Hwy. 35 and Tinton Ave., Eatontown	15	5	7	M	29-25319
159	Mobil Oil Corporation	Hwy. 35 and Tinton Ave., Eatontown	15	5	7	M	29-25320

Table 19
Well Search Summary
Fort Monmouth Main Post
Fort Monmouth, New Jersey

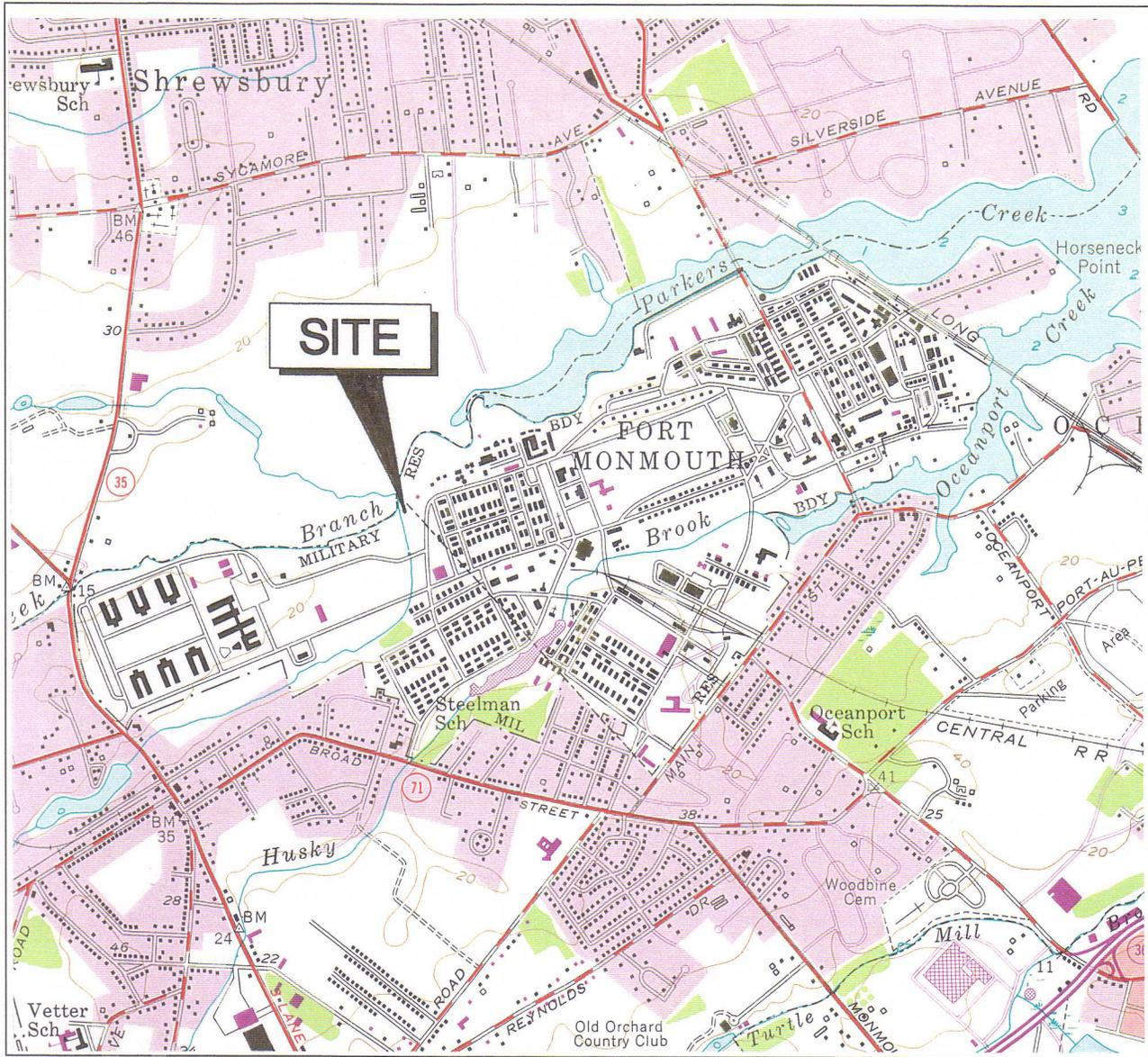
Well ID Number	Well Owner	Well Address	Total Depth (feet bgs)	Casing Length (feet)	Static Water Elevation (feet bgs)	Use Code	NJDEP Permit Number
160	Exxon Oil Company	Hwy. 35 and Tinton Ave., Eatontown	16	3	4.7	M	29-26806
161	Exxon Oil Company	Hwy. 35 and Tinton Ave., Eatontown	17	2	6	M	29-26807
162	Exxon Oil Company	Hwy. 35 and Tinton Ave., Eatontown	15	3	8.2	M	29-26808
163	Exxon Oil Company	Hwy. 35 and Tinton Ave., Eatontown	15	3	5.8	M	29-26809
164	Exxon Oil Company	Hwy. 35 and Tinton Ave., Eatontown	12	2	2.35	M	29-28143
165	Allied Signal, Inc.	118 Rte. 35, Eatontown	*	*	*	M	*
814/1	U.S Army, Ft. Monmouth	Main Post, Bldg. 814, Ft. Monmouth	14	4	4	M	29-26939
750/1	U.S Army, Ft. Monmouth	Main Post, Bldg. 750, Ft. Monmouth	15	5	7.5	M	29-28992
750/2	U.S Army, Ft. Monmouth	Main Post, Bldg. 750, Ft. Monmouth	15	5	7.5	M	29-28993
751/3	U.S Army, Ft. Monmouth	Main Post, Bldg. 750, Ft. Monmouth	15	5	7.5	M	29-28994
751/4	U.S Army, Ft. Monmouth	Main Post, Bldg. 750, Ft. Monmouth	15	5	7.5	M	29-28995
699/1	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	15	2	4	M	29-23677-1
699/2	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	17	1.5	5	M	29-23678-9
699/3	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	15	2	4	M	29-23679-1
699/4	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	20	2	3	M	29-23680-7
699/5	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	15	3	5	M	29-23808-1
699/6	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	15	1	4.5	M	29-23809-9
699/7	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	15	3	3	M	29-23810-2
699/8	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	15	2	4	M	29-23811-1
699/9	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	15	2	3	M	29-24639
699/10	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	14	1	3	M	29-24640
699/11	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	15	*	*	R	29-28031
699/12	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	15	5	7.1	M	29-28907

Table 19
Well Search Summary
Fort Monmouth Main Post
Fort Monmouth, New Jersey

Well ID Number	Well Owner	Well Address	Total Depth (feet bgs)	Casing Length (feet)	Static Water Elevation (feet bgs)	Use Code	NJDEP Permit Number
699/13	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	5	*	*	M	**
699/14	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	5.7	*	*	M	**
1076/1	U.S Army, Ft. Monmouth	Main Post, Bldg. 1076, Ft. Monmouth	15	3	5.5	M	29-26940
1076/2	U.S Army, Ft. Monmouth	Main Post, Bldg. 1076, Ft. Monmouth	14	4	5	M	29-26941
1076/3	U.S Army, Ft. Monmouth	Main Post, Bldg. 1076, Ft. Monmouth	15	5	6	M	29-26942
65A/1	U.S Army, Ft. Monmouth	Main Post, Bldg. 65A, Ft. Monmouth	12	2	4	M	29-26938
L/1	U.S Army, Ft. Monmouth	Main Post, Landfill, Ft. Monmouth	9.85	3.05	5.08	M	49-000551
L/2	U.S Army, Ft. Monmouth	Main Post, Landfill, Ft. Monmouth	16.99	1.30	*	M	49-000552
L/3	U.S Army, Ft. Monmouth	Main Post, Landfill, Ft. Monmouth	16.43	1.62	10.83	M	49-000553
L/4	U.S Army, Ft. Monmouth	Main Post, Landfill, Ft. Monmouth	10.25	1.90	*	M	49-000554
108/1	U.S Army, Ft. Monmouth	Main Post, Bldg. 108, Ft. Monmouth	13	3	4	M	29-29739
108/2	U.S Army, Ft. Monmouth	Main Post, Bldg. 108, Ft. Monmouth	13	3	4	M	29-29740
108/3	U.S Army, Ft. Monmouth	Main Post, Bldg. 108, Ft. Monmouth	13	3	4	M	29-29741
M2MW1	U.S Army, Ft. Monmouth	Main Post, Landfill M2, Ft. Monmouth	18	17	*	M	29-32584
M2MW2	U.S Army, Ft. Monmouth	Main Post, Landfill M2, Ft. Monmouth	18	17	*	M	29-32585
M2MW3	U.S Army, Ft. Monmouth	Main Post, Landfill M2, Ft. Monmouth	16	15.14	*	M	29-32586
M3MW4	U.S Army, Ft. Monmouth	Main Post, Landfill M3, Ft. Monmouth	23.72	23.26	*	M	29-32568
M3MW5	U.S Army, Ft. Monmouth	Main Post, Landfill M3, Ft. Monmouth	16.43	15.97	*	M	29-23569
M3MW6	U.S Army, Ft. Monmouth	Main Post, Landfill M3, Ft. Monmouth	15.33	14.87	*	M	29-32570
M4MW7	U.S Army, Ft. Monmouth	Main Post, Landfill M4, Ft. Monmouth	16.01	15.55	*	M	29-32571
M4MW8	U.S Army, Ft. Monmouth	Main Post, Landfill M4, Ft. Monmouth	18.64	18.18	*	M	29-32572
M4MW9	U.S Army, Ft. Monmouth	Main Post, Landfill M4, Ft. Monmouth	22.23	22.69	*	M	29-32573
M5MW1	U.S Army, Ft. Monmouth	Main Post, Landfill M5, Ft. Monmouth	15.00	14.54	*	M	29-32574
M5MW1	U.S Army, Ft. Monmouth	Main Post, Landfill M5, Ft. Monmouth	15.00	14.85	*	M	29-32575

Table 19
Well Search Summary
Fort Monmouth Main Post
Fort Monmouth, New Jersey

Well ID Number	Well Owner	Well Address	Total Depth (feet bgs)	Casing Length (feet)	Static Water Elevation (feet bgs)	Use Code	NJDEP Permit Number
M8MW1	U.S Army, Ft.	Main Post, Landfill M8, Ft.	15.00	14.54	*	M	29-32560
M8MW1	U.S Army, Ft.	Main Post, Landfill M8, Ft.	15.00	14.54	*	M	29-32561
M8MW1	U.S Army, Ft.	Main Post, Landfill M8, Ft.	15.00	14.54	*	M	29-32562
M8MW1	U.S Army, Ft.	Main Post, Landfill M8, Ft.	15.00	14.54	*	M	29-32563
M12MW	U.S Army, Ft.	Main Post, Landfill M12, Ft.	14.50	14.01	*	M	29-32576
M12MW	U.S Army, Ft.	Main Post, Landfill M12, Ft.	14.50	14.35	*	M	29-32577
M12MW	U.S Army, Ft.	Main Post, Landfill M12, Ft.	14.50	14.04	*	M	29-32578
M14MW	U.S Army, Ft.	Main Post, Landfill M14, Ft.	15.00	14.54	*	M	29-32579
M14MW	U.S Army, Ft.	Main Post, Landfill M14, Ft.	14.50	14.05	*	M	29-32580
M14MW	U.S Army, Ft.	Main Post, Landfill M14, Ft.	16.00	15.54	*	M	29-32581
M16MW	U.S Army, Ft.	Main Post, Landfill M16, Ft.	14.50	14.04	*	M	29-32582
M18MW	U.S Army, Ft.	Main Post, Landfill M18, Ft.	15.00	14.54	*	M	29-32565
M18MW	U.S Army, Ft.	Main Post, Landfill M18, Ft.	15.00	14.54	*	M	29-32566
B1-	U.S Army, Ft.	Main Post, Ft. Monmouth	14.00	13.54	*	M	29-32587
B2-	U.S Army, Ft.	Main Post, Ft. Monmouth	20.00	19.54	*	M	29-32588
B3-MW3B	U.S Army, Ft. Monmouth	Main Post, Ft. Monmouth	26.00	25.54	*	M	29-32589
B4-MW4B	U.S Army, Ft. Monmouth	Main Post, Ft. Monmouth	15.00	14.54	*	M	29-32567
B5-MW5B	U.S Army, Ft. Monmouth	Main Post, Ft. Monmouth	14.50	14.04	*	M	29-32583



500 1000 0 2000



Scale in Feet



**NEW JERSEY
QUADRANGLE LOCATION**



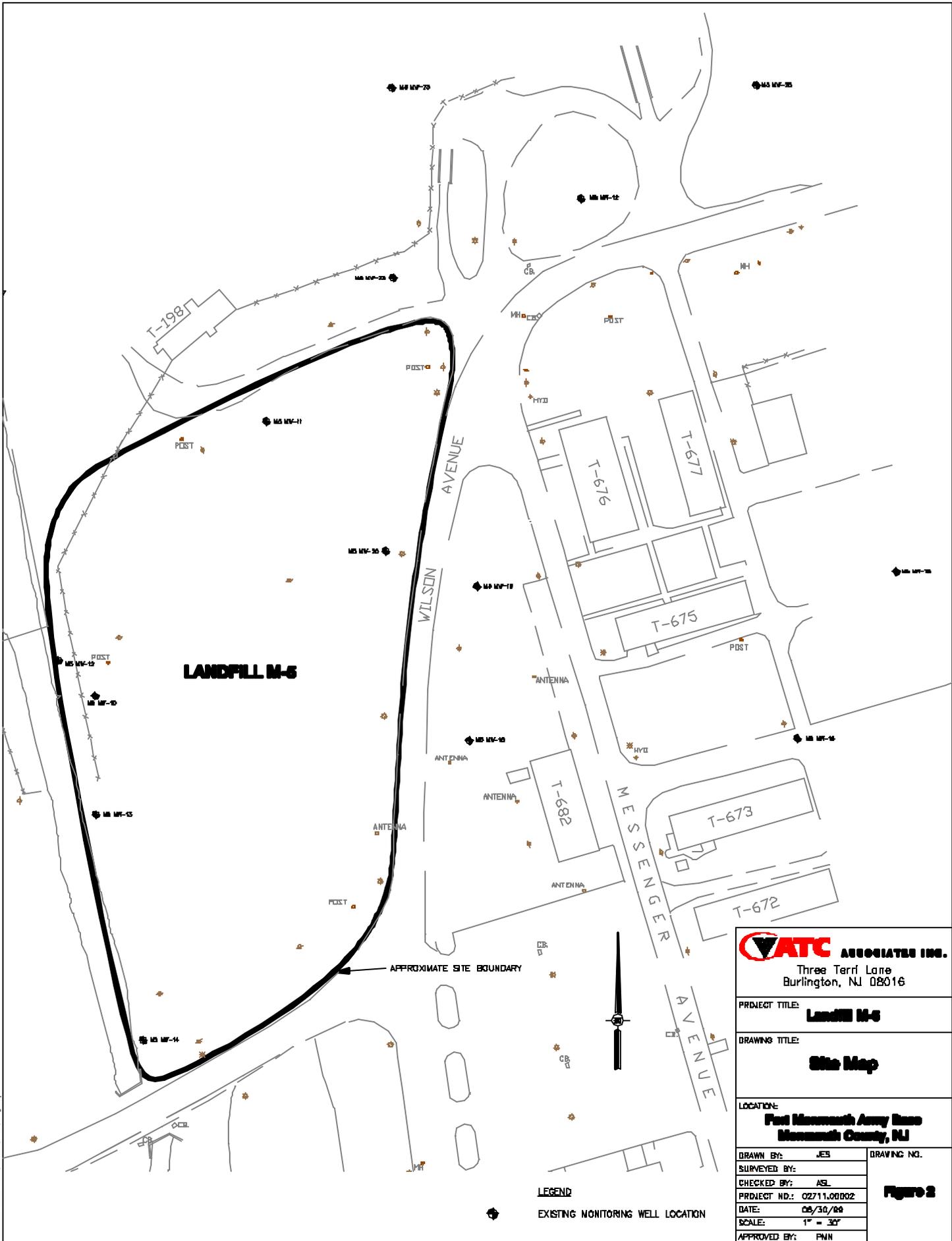
Three Terri Lane
Burlington, NJ 08016

PROJECT TITLE:
Landfill M-5

DRAWING TITLE:
Site Location Map

LOCATION:
**Fort Monmouth Army Base
Monmouth County, NJ**

DRAWN BY: JES	DRAWING NO. Figure 1
SURVEYED BY:	
CHECKED BY: ASL	
PROJECT NO.: 02711.00002	
DATE: 07/28/99	
SCALE: AS NOTED	
APPROVED BY: PMN	



ATC ASSOCIATES INC.
 Three Terr Lane
 Burlington, NJ 08016

PROJECT TITLE:
Landfill M-5

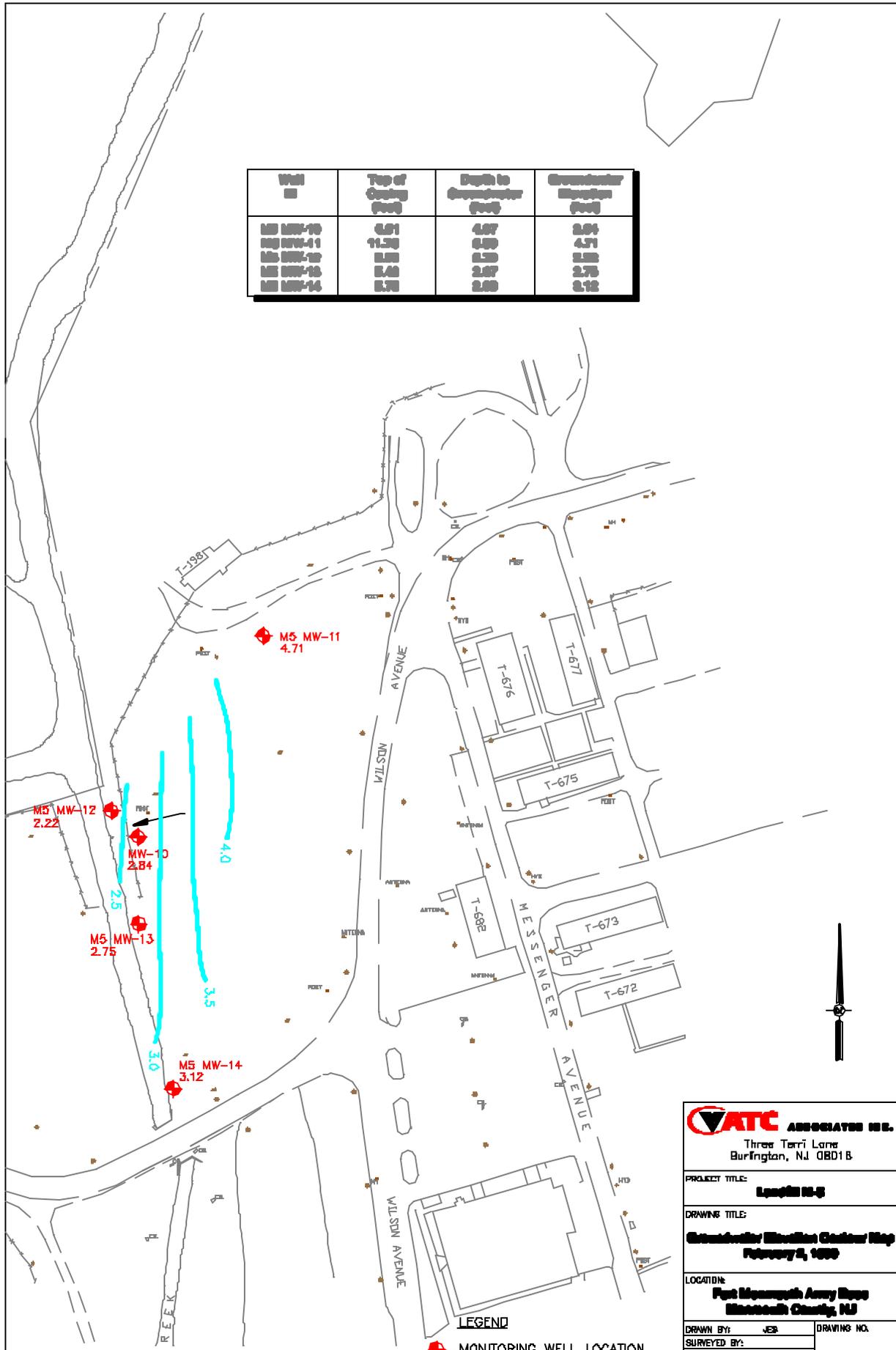
DRAWING TITLE:
Site Map

LOCATION:
**Fort Monmouth Army Base
 Monmouth County, NJ**

DRAWN BY:	JES	DRAWING NO. Figure 2
SURVEYED BY:		
CHECKED BY:	ASL	
PROJECT NO.:	02711.00002	
DATE:	06/30/00	
SCALE:	1" = 30'	
APPROVED BY:	PWN	

LEGEND
 [Symbol] EXISTING MONITORING WELL LOCATION

Well #	Top of Casing (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)
M5 MW-10	4.61	4.67	2.94
M5 MW-11	11.58	6.87	4.71
M5 MW-12	2.58	2.39	2.88
M5 MW-13	2.48	2.67	2.75
M5 MW-14	2.78	2.88	2.12



LEGEND

MONITORING WELL LOCATION
 GROUNDWATER CONTOUR
 GROUNDWATER FLOW DIRECTION

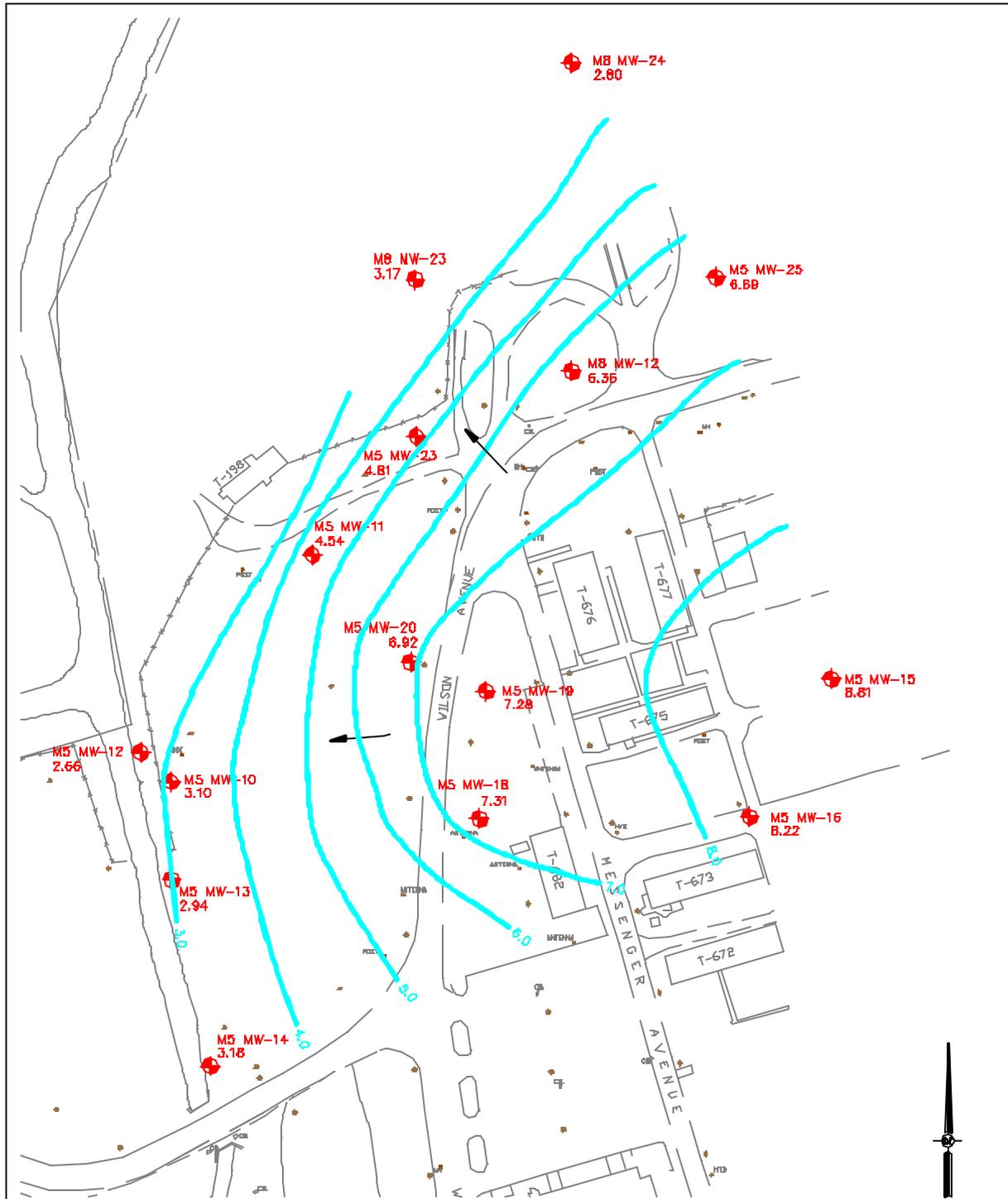
ATC ASSOCIATES INC.
 Three Terri Lane
 Burlington, NJ 08018

PROJECT TITLE: **Loop 20-5**

DRAWING TITLE: **Groundwater Elevation Contour Map February 2, 1999**

LOCATION: **Fort Monmouth Army Base
 Gloucester County, NJ**

DRAWN BY: JES	DRAWING NO.
SURVEYED BY:	
CHECKED BY: ABL	
PROJECT NO.: 02711.00002	
DATE: 04/30/99	
SCALE: 1" = 100'	Figure 9
APPROVED BY:	



Well #	Top of Casing (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)
M5 MW-10	6.01	6.01	3.00
M5 MW-11	11.70	7.40	4.30
M5 MW-12	6.80	6.80	2.66
M5 MW-13	6.40	2.40	2.94
M5 MW-14	5.70	2.87	3.10
M5 MW-15	17.40	9.00	8.40
M5 MW-16	14.10	6.00	8.10
M5 MW-18	14.07	7.50	7.28
M5 MW-19	14.02	6.70	7.28
M5 MW-20	12.00	5.32	6.68
M5 MW-23	12.00	6.40	4.81
M5 MW-24	10.01	11.00	6.00
M8 MW-12	10.00	6.00	6.35
M8 MW-24	11.00	8.00	2.80
M8 NW-23	20.70	17.00	3.17
M5 MW-25	20.70	17.00	6.60

LEGEND

- MONITORING WELL LOCATION
- GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION

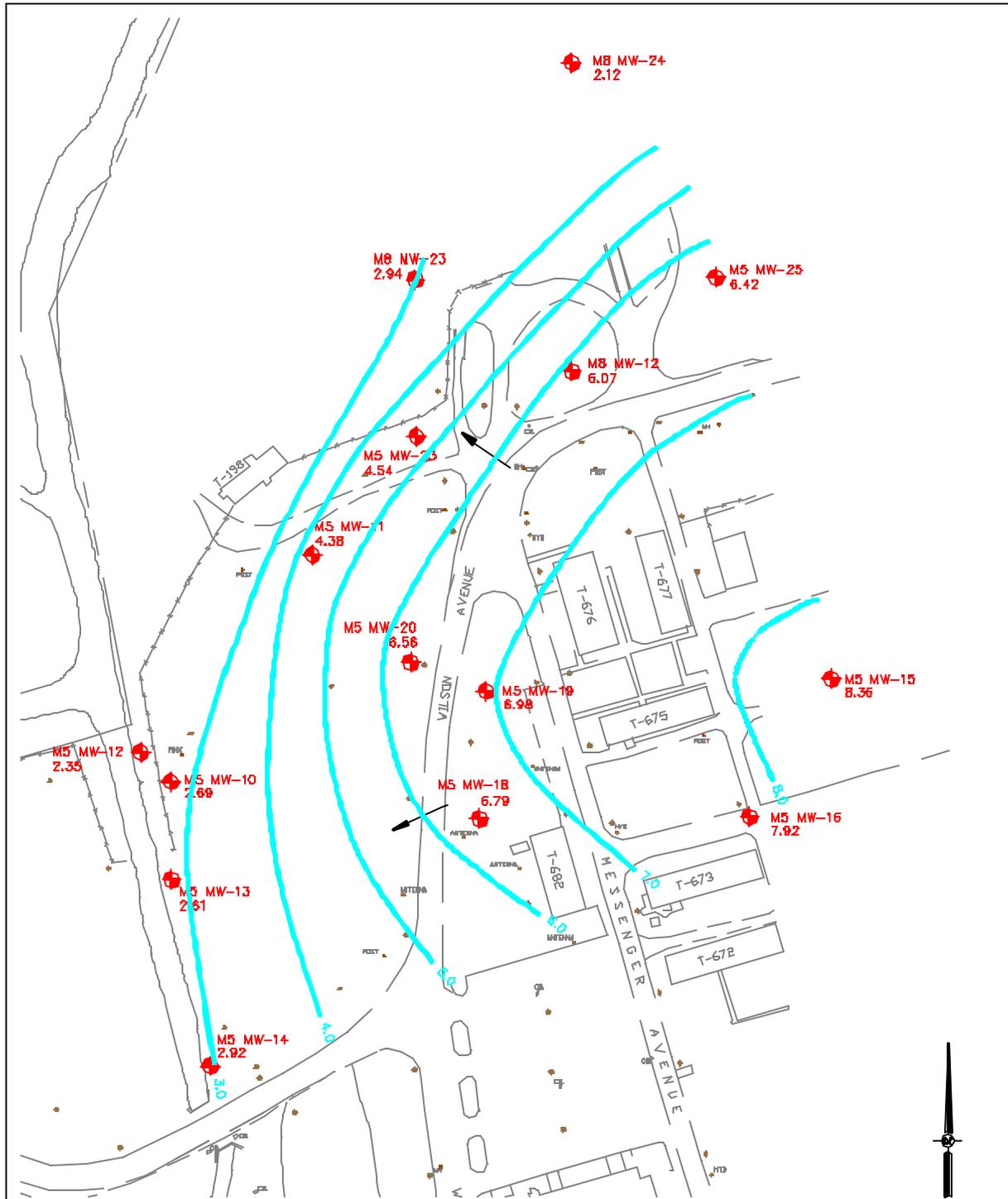
ATC ASSOCIATES INC.
 Three Terri Lane
 Burlington, NJ 08018

PROJECT TITLE:
Loop 10-5

DRAWING TITLE:
**Groundwater Elevation Contour Map
 April 10, 1999**

LOCATION:
**Fort Monmouth Army Base
 Monmouth County, NJ**

DRAWN BY: JEB	DRAWING NO.
SURVEYED BY:	
CHECKED BY: ABL	
PROJECT NO.: 02711.00002	Figure 4
DATE: 04/30/99	
SCALE: 1" = 100'	
APPROVED BY:	



Well #	Top of Casing (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)
M5 MW-10	6.01	4.32	2.38
M5 MW-11	11.73	7.33	4.59
M5 MW-12	8.23	5.23	3.38
M5 MW-13	8.48	2.01	2.61
M5 MW-14	5.72	2.22	2.22
M5 MW-15	17.43	9.94	4.38
M5 MW-16	14.13	7.23	2.23
M5 MW-17	14.07	7.23	2.23
M5 MW-18	14.02	7.24	2.22
M5 MW-19	12.24	6.22	2.22
M5 MW-20	12.22	6.43	2.22
M5 MW-21	12.01	11.22	6.42
M5 MW-22	12.22	9.22	6.07
M5 MW-23	11.22	8.22	2.22
M5 MW-24	22.72	12.22	2.22

LEGEND

- MONITORING WELL LOCATION
- 3.0 GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION

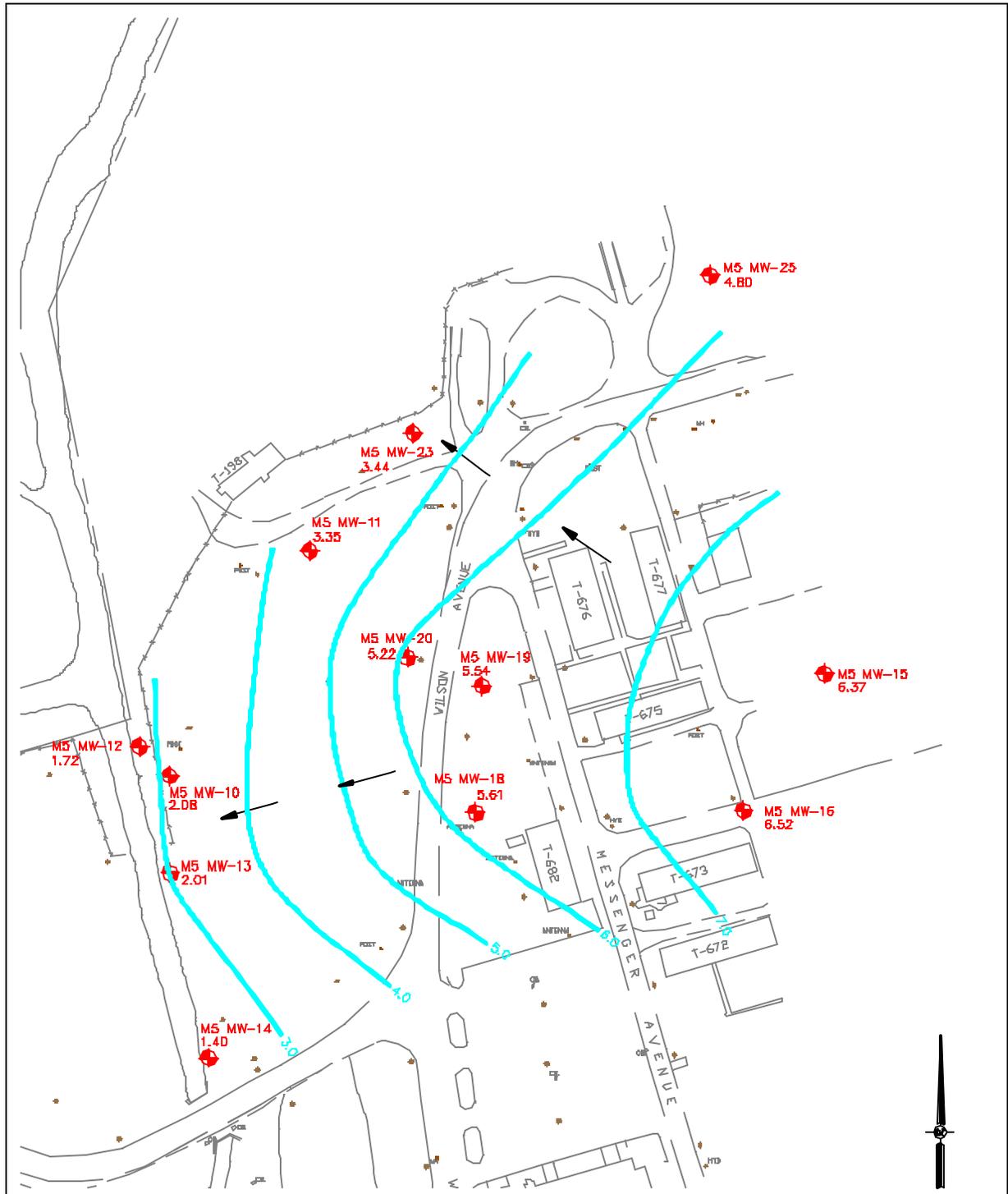
ATC ASSOCIATES INC.
 Three Terri Lane
 Burlington, NJ 08018

PROJECT TITLE:
Loop 20-5

DRAWING TITLE:
**Groundwater Elevation Contour Map
 April 27, 1999**

LOCATION:
**Fort Monmouth Army Base
 Monmouth County, NJ**

DRAWN BY:	JES	DRAWING NO. Figure 6
SURVEYED BY:		
CHECKED BY:	ABL	
PROJECT NO.:	02711.00002	
DATE:	04/30/99	
SCALE:	1" = 100'	
APPROVED BY:		



Well ID	Top of Casing (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)
M5 MW-10	8.91	4.88	2.88
M5 MW-11	11.78	8.98	3.98
M5 MW-12	8.88	8.88	1.78
M5 MW-13	8.48	6.47	2.01
M5 MW-14	5.78	4.88	1.4
M5 MW-15	17.48	11.88	6.97
M5 MW-16	14.78	8.88	6.88
M5 MW-17	14.87	8.88	6.88
M5 MW-18	14.88	9.48	5.88
M5 MW-19	12.81	7.48	5.88
M5 MW-20	13.88	8.88	5.41
M5 MW-21	18.01	18.21	4.8

- LEGEND**
- MONITORING WELL LOCATION
 - 3.0 GROUNDWATER CONTOUR
 - GROUNDWATER FLOW DIRECTION

ATC ASSOCIATES INC.
 Three Terri Lane
 Burlington, NJ 08018

PROJECT TITLE:
Leach 10-5

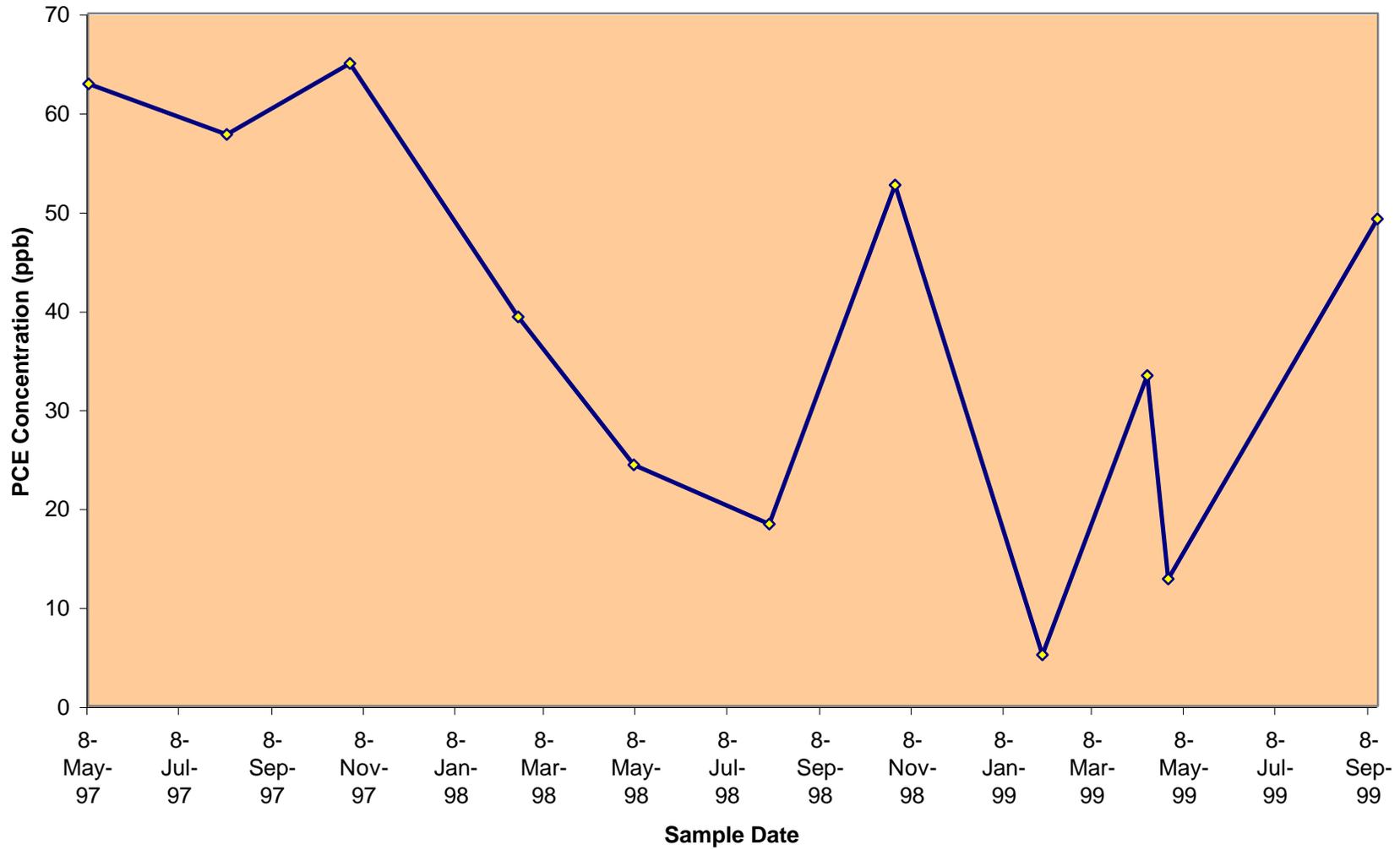
DRAWING TITLE:
**Groundwater Elevation Contour Map
 September 10, 1998**

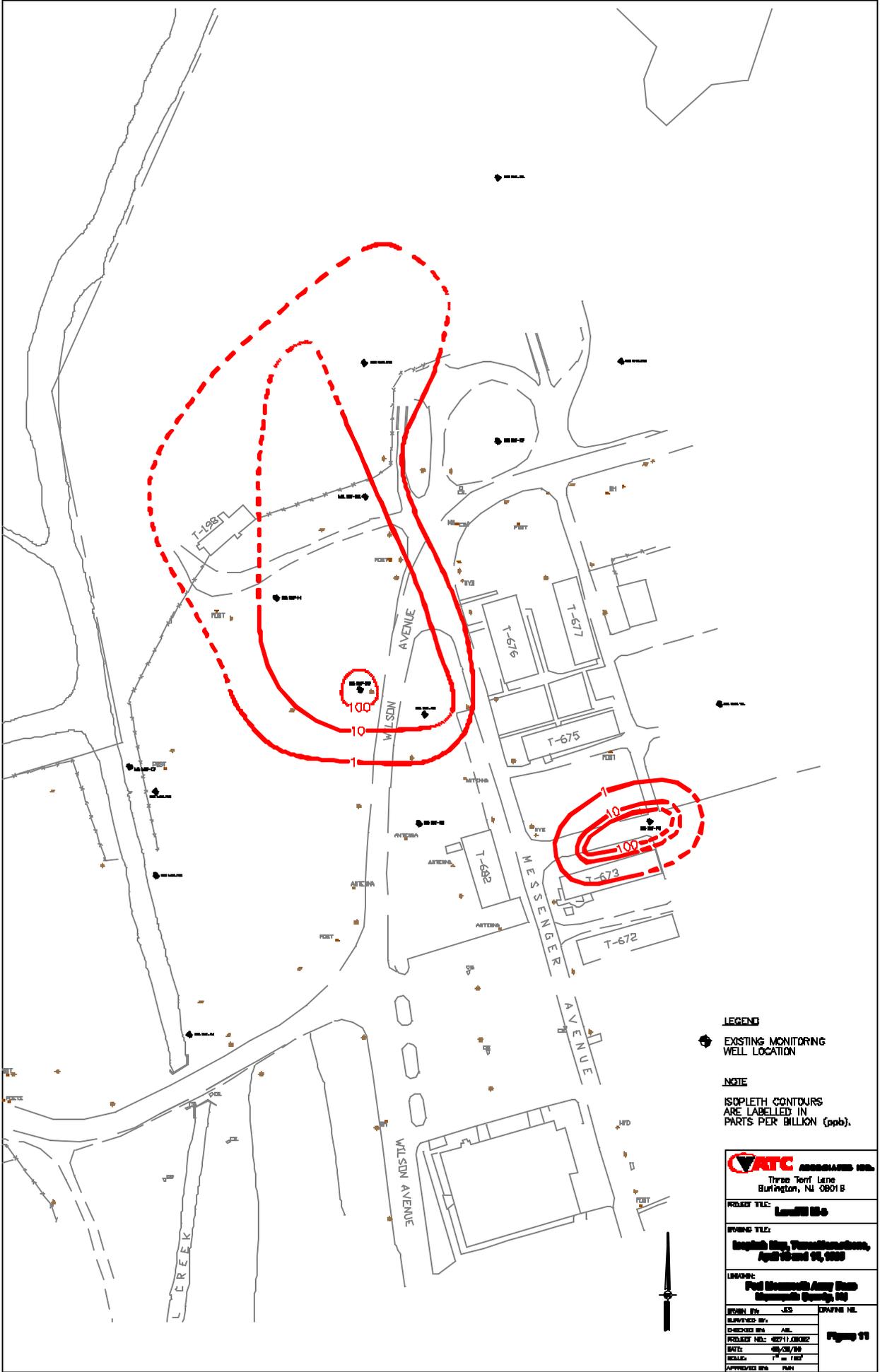
LOCATION:
**Fort Monmouth Army Base
 Monmouth County, NJ**

DRAWN BY: JES	DRAWING NO. Figure 6
SURVEYED BY:	
CHECKED BY: ABL	
PROJECT NO.: 02711.00002	
DATE: 11/18/98	
SCALE: 1" = 100'	APPROVED BY:

Figure 10
Historical PCE Concentrations at MW-11

—◆— Tetrachloroethene





LEGEND

◆ EXISTING MONITORING WELL LOCATION

NOTE

ISOPLETH CONTOURS ARE LABELLED IN PARTS PER BILLION (ppb).

ATC ASSOCIATES INC.
 Three Terr Lane
 Burlington, NJ 08018

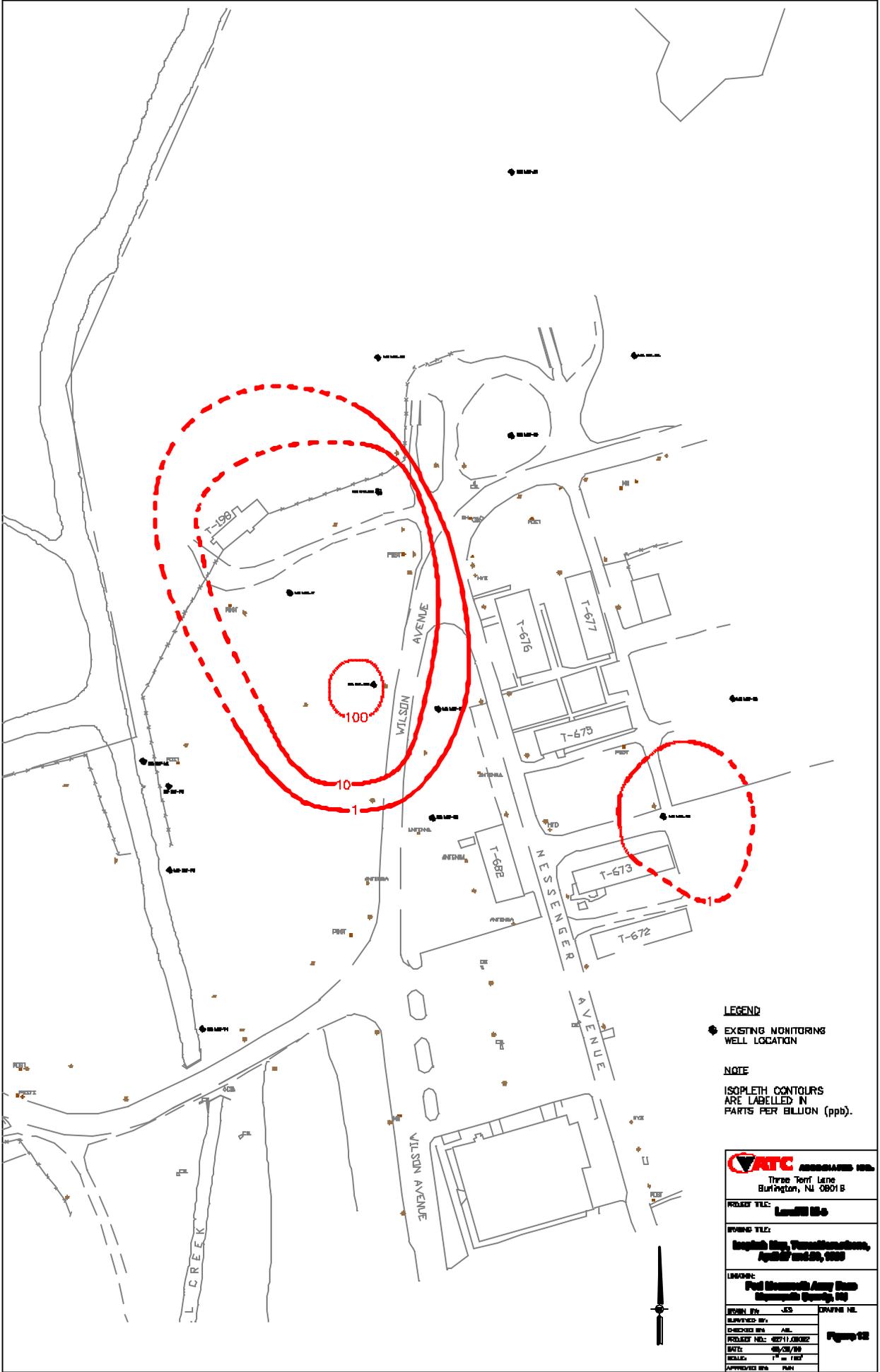
PROJECT FILE: **Lead0104**

ISSUE FILE: **English Bay, Toms River, NJ, April 12 and 14, 2009**

LOCATION: **Fort Monmouth Army Base (Monmouth County, NJ)**

DESIGN BY:	JCS	DRAWN BY:	ML
CHECKED BY:	ML		
PROJECT NO.:	0211/0002		
DATE:	02/28/09		
SCALE:	1" = 100'		
APPROVED BY:	ML		

Figure 11



LEGEND

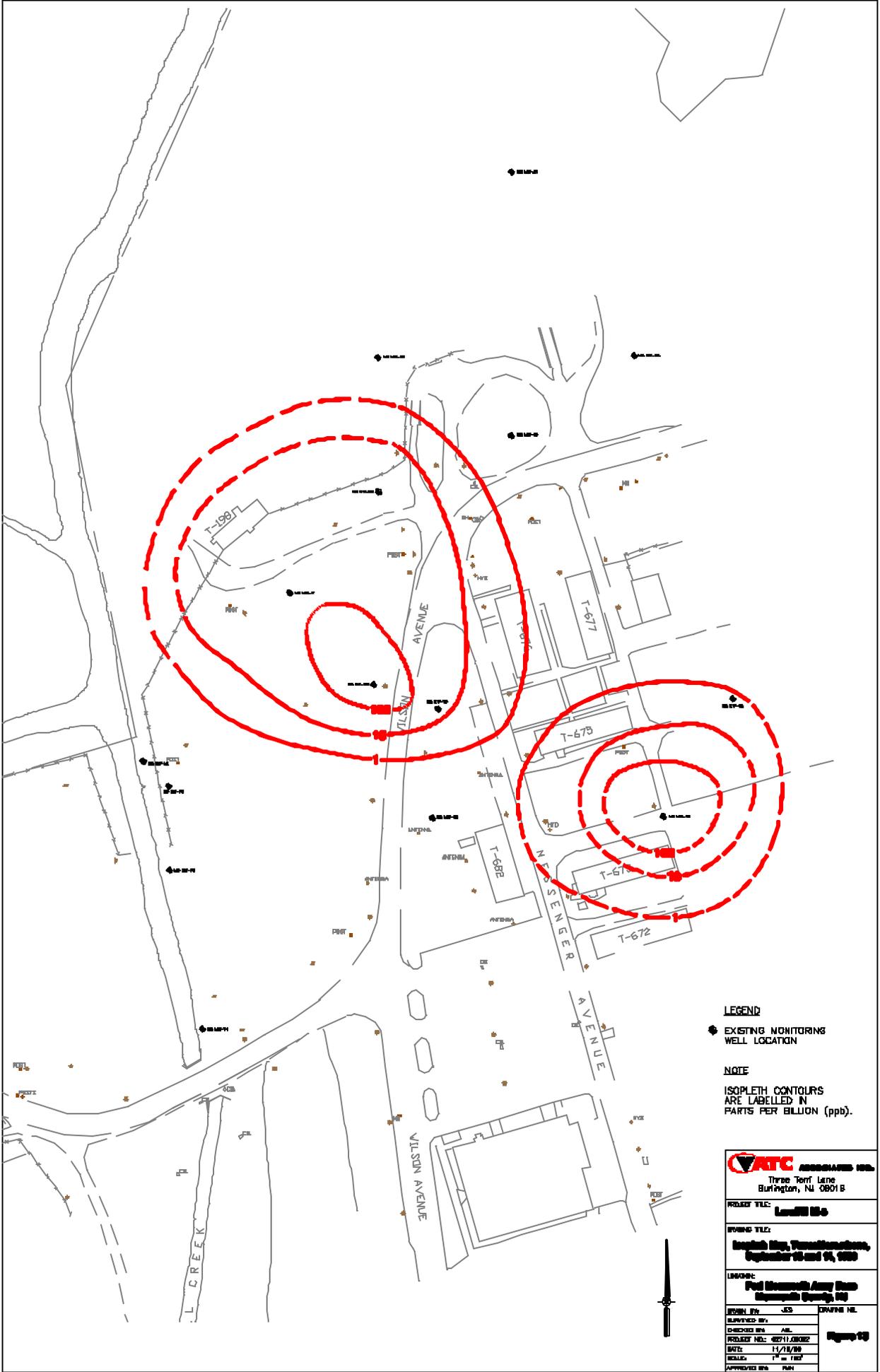
◆ EXISTING MONITORING WELL LOCATION

NOTE

ISOPLETH CONTOURS ARE LABELLED IN PARTS PER BILLION (ppb).

Three Tert Lane Burlington, NJ 08018	
PROJECT FILE: Landfill 05-0	
FORMING FILE: English Bay, Toms River, NJ April 2nd-25th, 1999	
LOCATION: Fort Monmouth Army Base Monmouth County, NJ	
DESIGN BY: JCS	DRAWN BY:
REVISED BY:	CHECKED BY:
PROJECT NO.: 0211/0002	FIGURE NO.:
DATE: 02/28/04	SCALE: 1" = 100'
APPROVED BY:	DATE:

Figure 10



LEGEND

◆ EXISTING MONITORING WELL LOCATION

NOTE

ISOPLETH CONTOURS ARE LABELLED IN PARTS PER BILLION (ppb).

Three Tert Lane Burlington, NJ 08018	
PROJECT FILE: Landfill 05-0	
FORMS FILE: Amesbury Hwy, Toms River, NJ, September 15 and 16, 2009	
LOCATION: Fort Monmouth Army Base Gloucester County, NJ	
DESIGN BY: JCS	DRAWN BY:
CHECKED BY: AM	Figure 10
PROJECT NO.: 0511/0002	
DATE: 11/21/09	
SCALE: 1" = 100'	
APPROVED BY: PM	



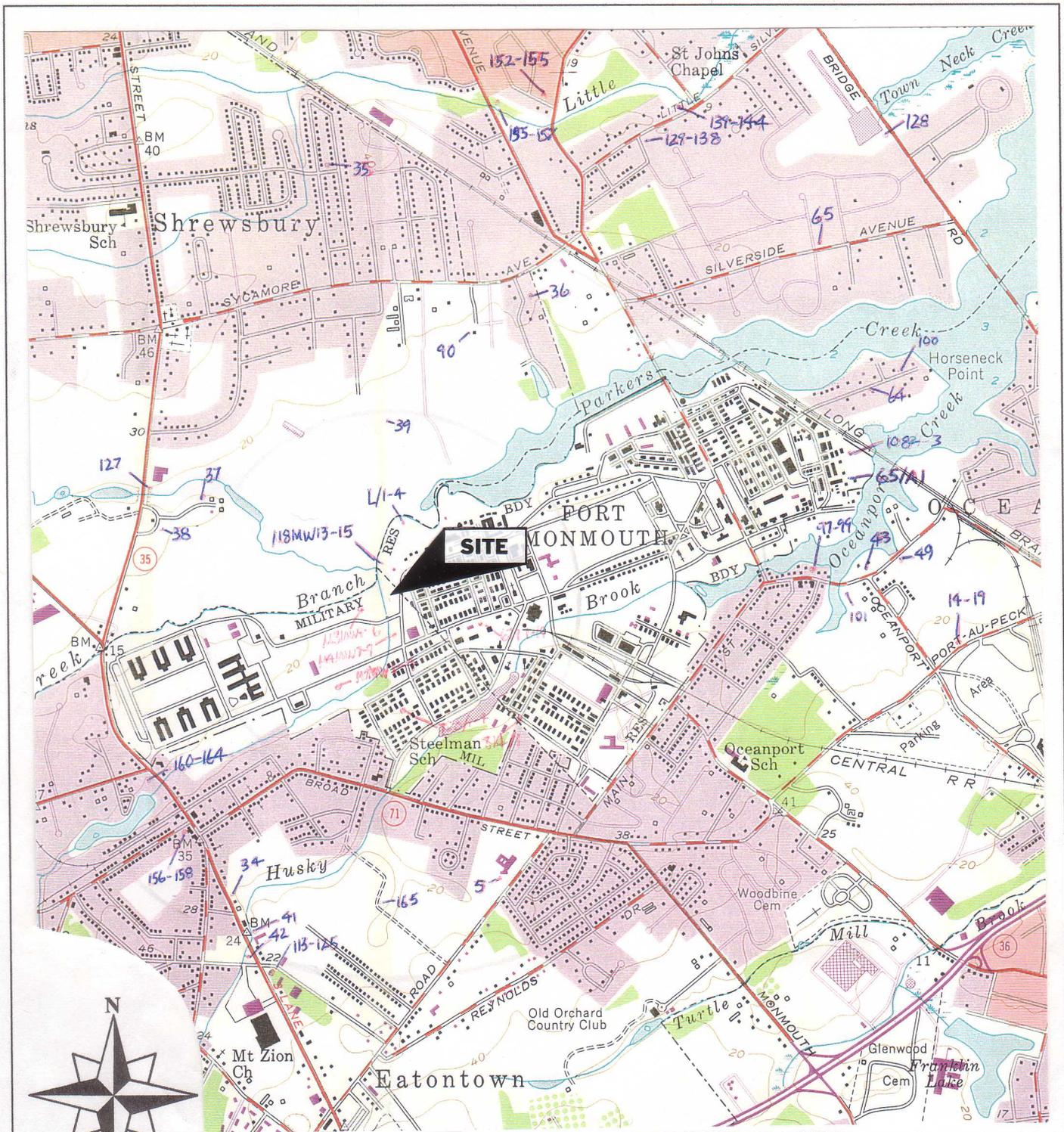


Figure 14 - Well Search Map

Client: U. S. Army Fort Monmouth

Site Address: Fort Monmouth Main Post, Landfill M5
Fort Monmouth, New Jersey

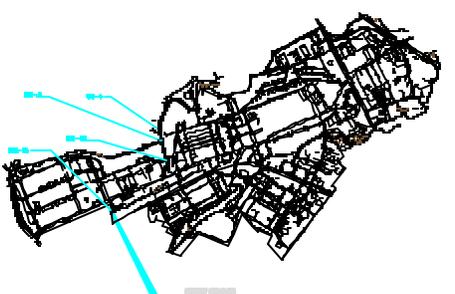
Project Number: 02711.00002



Three Terri Lane, Burlington, New Jersey 08016

Scale: 1: 24,000

Copied From: United States Geological Survey Topographic Map 7.5 Minute Series,
Long Branch, New Jersey Quadrangle (1954, photorevised 1970).



Sample Date	08-04-08	11-04-08	12-04-08	01-04-09	02-04-09	03-04-09	04-04-09	05-04-09	06-04-09	07-04-09	08-04-09	09-04-09	10-04-09	11-04-09	12-04-09	01-05-10	02-05-10	03-05-10	04-05-10	05-05-10	06-05-10	07-05-10	08-05-10	09-05-10	10-05-10	11-05-10	12-05-10
Concentration	5.4	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0

Sample Date	08-04-08	11-04-08	12-04-08	01-04-09	02-04-09	03-04-09	04-04-09	05-04-09	06-04-09	07-04-09	08-04-09	09-04-09	10-04-09	11-04-09	12-04-09	01-05-10	02-05-10	03-05-10	04-05-10	05-05-10	06-05-10	07-05-10	08-05-10	09-05-10	10-05-10	11-05-10	12-05-10
Concentration	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

Sample Date	08-04-08	11-04-08	12-04-08	01-04-09	02-04-09	03-04-09	04-04-09	05-04-09	06-04-09	07-04-09	08-04-09	09-04-09	10-04-09	11-04-09	12-04-09	01-05-10	02-05-10	03-05-10	04-05-10	05-05-10	06-05-10	07-05-10	08-05-10	09-05-10	10-05-10	11-05-10	12-05-10
Concentration	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Sample Date	08-04-08	11-04-08	12-04-08	01-04-09	02-04-09	03-04-09	04-04-09	05-04-09	06-04-09	07-04-09	08-04-09	09-04-09	10-04-09	11-04-09	12-04-09	01-05-10	02-05-10	03-05-10	04-05-10	05-05-10	06-05-10	07-05-10	08-05-10	09-05-10	10-05-10	11-05-10	12-05-10
Concentration	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0

Sample Date	12-04-08	01-04-09	02-04-09	03-04-09	04-04-09	05-04-09	06-04-09	07-04-09	08-04-09	09-04-09	10-04-09	11-04-09	12-04-09	01-05-10	02-05-10	03-05-10	04-05-10	05-05-10	06-05-10	07-05-10	08-05-10	09-05-10	10-05-10	11-05-10	12-05-10
Concentration	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Sample Date	12-04-08	01-04-09	02-04-09	03-04-09	04-04-09	05-04-09	06-04-09	07-04-09	08-04-09	09-04-09	10-04-09	11-04-09	12-04-09	01-05-10	02-05-10	03-05-10	04-05-10	05-05-10	06-05-10	07-05-10	08-05-10	09-05-10	10-05-10	11-05-10	12-05-10
Concentration	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

Sample Date	08-04-08	11-04-08	12-04-08	01-04-09	02-04-09	03-04-09	04-04-09	05-04-09	06-04-09	07-04-09	08-04-09	09-04-09	10-04-09	11-04-09	12-04-09	01-05-10	02-05-10	03-05-10	04-05-10	05-05-10	06-05-10	07-05-10	08-05-10	09-05-10	10-05-10	11-05-10	12-05-10
Concentration	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0

Sample Date	12-04-08	01-04-09	02-04-09	03-04-09	04-04-09	05-04-09	06-04-09	07-04-09	08-04-09	09-04-09	10-04-09	11-04-09	12-04-09	01-05-10	02-05-10	03-05-10	04-05-10	05-05-10	06-05-10	07-05-10	08-05-10	09-05-10	10-05-10	11-05-10	12-05-10
Concentration	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

1. ALL DATA POINTS SHOWN ARE THE RESULT OF A SINGLE ANALYSIS. REPEAT ANALYSES SHOULD BE CONSIDERED TO VERIFY THE ACCURACY OF THE DATA.

2. ALL DATA POINTS SHOWN ARE THE RESULT OF A SINGLE ANALYSIS. REPEAT ANALYSES SHOULD BE CONSIDERED TO VERIFY THE ACCURACY OF THE DATA.

3. ALL DATA POINTS SHOWN ARE THE RESULT OF A SINGLE ANALYSIS. REPEAT ANALYSES SHOULD BE CONSIDERED TO VERIFY THE ACCURACY OF THE DATA.

4. ALL DATA POINTS SHOWN ARE THE RESULT OF A SINGLE ANALYSIS. REPEAT ANALYSES SHOULD BE CONSIDERED TO VERIFY THE ACCURACY OF THE DATA.

5. ALL DATA POINTS SHOWN ARE THE RESULT OF A SINGLE ANALYSIS. REPEAT ANALYSES SHOULD BE CONSIDERED TO VERIFY THE ACCURACY OF THE DATA.

- DANGER MONITORING POINT
- DANGER MONITORING POINT
- DANGER MONITORING POINT
- DANGER MONITORING POINT

QTE Environmental
 10000 N. 10th St.
 Phoenix, AZ 85020

PROJECT NO. 1000000000
 DATE 10/15/10
 DRAWN BY [Name]
 CHECKED BY [Name]
 APPROVED BY [Name]

Appendix B

Material Safety Data Sheet for Hydrogen Release Compound[®]



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MATERIAL SAFETY DATA SHEET

Last Revised: March 1, 2001

Section 1 - Material Identification

Supplier: RegenesiS Bioremediation Products
 1011 Calle Sombra
 San Clemente, CA 92673
 Telephone: (949) 366-8000
 Facsimile: (949) 366-8090

Chemical Name: Propanoic acid, 2-[2-[2-(2-hydroxy-1-oxopropoxy)-1-oxopropoxy]

-1-oxopropoxy]-1,2,3-propanetriyl ester

Chemical Family: Organic Chemical

Trade Name: Glycerol tripolylactate

Product Name: Hydrogen Release Compound[®] (HRC[®])

Section 2 - Hazardous Ingredients

CAS #: 201167-72-8

One should anticipate the potential for eye irritation and skin irritation with large scale exposure or in sensitive individuals.

Section 3 - Physical Data

Melting Point: NA

Boiling Point: ND

Flash Point: ND

Density: 1.347

Solubility: Acetone and DMSO

Appearance: Amber semi-solid

Odor: Not detectable

Vapor Pressure: None

Section 4 - Fire and Explosion Hazard Data

Extinguishing Media: Carbon Dioxide, Dry Chemical Powder or Appropriate Foam.

Water may be used to keep exposed containers cool.

For large quantities involved in a fire, one should wear full protective clothing and a NIOSH approved self contained breathing apparatus with full face piece operated in the pressure demand or positive pressure mode as for a situation where lack of oxygen and excess heat are present.

Section 5 - Toxicological Information

Acute Effects: May be harmful by inhalation, ingestion, or skin absorption.

May cause irritation. To the best of our knowledge, the chemical, physical, and toxicological properties of the glycerol tripoly lactate have not been investigated. Listed below are the toxicological information for glycerol and lactic acid.

RTECS#: MA8050000

Glycerol

Irritation data: SKN-RBT 500 MG/24H MLD 85JCAE-,207,1986

EYE-RBT 126 MG MLD BIOFX* 9-4/1970

EYE-RBT 500 MG/24H MLD 85JCAE-,207,1986

Toxicity data: ORL-MUS LD50:4090 MG/KG FRZKAP (6),56,1977

SCU-RBT LD50:100 MG/KG NIIRDN 6,215,1982
ORL-RAT LD50:12600 MG/KG FEPRA7 4,142,1945
IHL-RAT LC50: >570 MG/M3/1H BIOFX* 9-4/1970
IPR-RAT LD50: 4420 MG/KG RCOCB8 56,125,1987
IVN-RAT LD50:5566 MG/KG ARZNAD 26,1581,1976
IPR-MUS LD50: 8700 MG/KG ARZNAD 26,1579,1978
SCU-MUS LD50:91 MG/KG NIIRDN 6,215,1982
IVN-MUS LD50: 4250 MG/KG JAPMA8 39,583,1950
ORL-RBT LD50: 27 GM/KG DMDJAP 31,276,1959
SKN-RBT LD50:>10GM/KG BIOFX* 9-4/1970
IVN-RBT LD50: 53 GM/KG NIIRDN 6,215,1982
ORL-GPG LD50: 7750 MG/KG JIHTAB 23,259,1941

Target Organ data: Behavioral (headache), gastrointestinal (nausea or vomiting), Paternal effects (spermatogenesis, testes, epididymis, sperm duct), effects of fertility (male fertility index, post-implantation mortality).

RTECS#: OD2800000

Lactic acid

Irritation data: SKN-RBT 5MG/24H SEV 85JCAE -,656,86

EYE-RBT 750 UG SEV AJOPAA 29,1363,46

Toxicity data: ORL-RAT LD50:3543 MG/KG FMCHA2-,C252,91

SKN-RBT LD50:>2 GM/KG FMCHA2-,C252,91

ORL-MUS LD50: 4875 MG/KG FAONAU 40,144,67

ORL-GPG LD50: 1810 MG/KG JIHTAB 23,259,41

ORL-QAL LD50: >2250 MG/KG FMCHA2-,C252,91

Only selected registry of toxic effects of chemical substances (RTECS) data is presented here. See actual entry in RTECS for complete information on lactic acid and glycerol.

Section 6 - Health Hazard Data

Handling: Avoid continued contact with skin.

Avoid contact with eyes.

In any case of any exposure which elicits a response, a physician should be consulted immediately.

First Aid Procedures:

Inhalation: Remove to fresh air. If not breathing give artificial respiration. In case of labored breathing give oxygen. Call a physician.

Ingestion: No effects expected. Do not give anything to an unconscious person. Call a physician immediately.

Skin Contact: Flush with plenty of water. Contaminated clothing may be washed or dry cleaned normally.

Eye contact: Wash eyes with plenty of water for at least 15 minutes lifting both upper and lower lids. Call a physician.

Section 7 - Reactivity Data

Conditions to Avoid: Strong oxidizing agents, bases and acids

Hazardous Polymerization: None known

Further Information: Hydrolyses in water to form Lactic Acid and Glycerol.

Section 8 - Spill, Leak or Accident Procedures

After Spillage or Leakage: Neutralization is not required. This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber.

Disposal: Laws and regulations for disposal vary widely by locality. Observe all applicable regulations and laws. This material, may be disposed of in solid waste. Material is readily degradable and hydrolyses in several hours.

No requirement for a reportable quantity (CERCLA) of a spill is known.

Section 9 - Special Protection or Handling

Should be stored in plastic lined steel, plastic, glass, aluminum, stainless steel, or reinforced fiberglass containers.

Protective Gloves: Vinyl or Rubber

Eyes: Splash Goggles or Full Face Shield

Area should have approved means of washing

eyes.

Ventilation: General exhaust.

Storage: Store in cool, dry, ventilated area.

Protect from incompatible materials.

Section 10 - Other Information

This material will degrade in the environment by hydrolysis to lactic acid and glycerol.

Materials containing reactive chemicals should be used only by personnel with appropriate chemical training.

The information contained in this document is the best available to the supplier as of the time of writing. Some possible hazards have been determined by analogy to similar classes of material. No separate tests have been performed on the toxicity of this material. The items in this document are subject to change and clarification as more information becomes available.

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Appendix C

Groundwater Monitoring Well Laboratory Analytical Data, 4th Quarter 2002 through 3rd Quarter 2003

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

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

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING



ANALYTICAL DATA REPORT FOR

Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: M-5

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
2076004	00M5MW10	29-32574	10/28/02
2076005	00M5MW11	29-32575	10/28/02
2076006	00M5MW12	29-39179	10/28/02
2076007	00M5MW13	29-39178	10/28/02
2076008	00M5MW14	29-39177	10/28/02
2076009	00M5MW15	29-40120	10/28/02
2076010	00M5MW16	29-40121	10/28/02
2076011	00M5MW18	29-40123	10/28/02
2076012	00M5MW19	29-40124	10/28/02
2076013	00M5MW20	29-40122	10/28/02
2076014	00M5MW23	29-40125	10/28/02
2076015	00M5MW25	29-40126	10/28/02

NJDEP Laboratory Certification # 13461


Daniel Wright/Date
Laboratory Director

2-12-03

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST METALS	Standard Methods, 18th ed.
Aluminum	3120B
Antimony	3120B
Arsenic	3120B
Barium	3120B
Beryllium	3120B
Cadmium	3120B
Calcium	3120B
Chromium	3120B
Cobalt	3120B
Copper	3120B
Iron	3120B
Lead	3120B
Magnesium	3120B
Manganese	3120B
Mercury	3112B
Nickel	3120B
Potassium	3120B
Selenium	3120B
Silver	3120B
Sodium	3120B
Thallium	3120B
Vanadium	3120B
Zinc	3120B

PARAMETER	REFERENCE
TARGET COMPOUND LIST ORGANICS	Federal Register 40 CFR Part 136 Appendix A
Base/Neutral and Acid Extractables by GC/MS	625
Purgeable Organics by GC/MS	624
Pesticide and PCB by GC	608

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

Customer: J. Fallon		Project No:		Analysis Parameters				Comments:	
Phone #: 212-223		Location: MS wells		TAL MHS	Post/PCB	BVA T25		Hinc Read	
() DERA () OMA () Other:		4th Qtr '02		VO T15					
Samplers Name / Company: Corey Mc Cormack, TUS		Sample #	Sample Type	Relinquished by (signature):				Received by (signature):	
LIMS/Work Order #	Sample Location	Date	Time	Relinquished by (signature):				Received by (signature):	
207100 01	Trip	10/28/02	0725	AQ	2	✓			
02	Field Blank		0852		5	✓			
03	Dupe				5	✓			
04	MS mw10		1316		5	✓		29-32574	
05	MS mw11		1241		5	✓		29-32575	
06	MS mw12		1348		5	✓		29-39179	
07	MS mw13		1432		5	✓		29-39178	
08	MS mw14		1450		5	✓		29-39177	
09	MS mw15		1003		5	✓		29-40120	
10	MS mw16		1011		5	✓		29-40121	
11	MS mw18		1028		5	✓		29-40123	
12	MS mw19 *		1035		5	✓		29-40124	
13	MS mw20		1017		5	✓		29-40122	
14	MS mw23		1251		5	✓		29-40125	
Relinquished by (signature): Corey Mc Cormack		Date/Time: 10/28/02 1545	Received by (signature): J. Fallon				Date/Time:		Received by (signature):
Relinquished by (signature):		Date/Time:	Received by (signature):				Date/Time:		Received by (signature):
Report Type: () Full, () Reduced, () Standard, () Screen / non-certified, () EDD		Remarks: MS/MS OS hww.							
Turnaround time: () Standard 3 wks, () Rush Days, () ASAP Verbal Hrs.		Tide:							

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW10
NJDEP ID #: 29-32574
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/28/02
WEATHER: Overcast and cold.
TIDE: Low-Incoming..

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 4.14 ft
DEPTH OF WELL: 17.25 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.11 ft
(13.11) X .65 X 3 =25.56
GALLONS OF H₂O TO BE PURGED: 26 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:22

pH 6.20 su
DISSOLVED O₂ 0.13 mg/L

TEMP 16.25 °C
SPECIFIC CONDUCTIVITY 455.3 ms/cm

PURGE END TIME: 13:15

pH 5.82 su
DISSOLVED O₂ 0.75 mg/L

TEMP 17.50 °C
SPECIFIC CONDUCTIVITY 384.1 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 4.68 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 26 gal

SAMPLE START TIME: 13:16

pH 5.89 su
DISSOLVED O₂ 0.35 mg/L

TEMP 17.52 °C
SPECIFIC CONDUCTIVITY 389.9 ms/cm

SAMPLE END TIME: 13:21

COMMENTS:

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW11
NJDEP ID #: 29-32575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/28/02
WEATHER: Overcast and cold.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.81 ft
DEPTH OF WELL: 16.80 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.99 ft
(9.99) X .65 X 3 =19.48
GALLONS OF H₂O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:18
pH 5.99 su
DISSOLVED O₂ 0.61 mg/L
TEMP 17.36 °C
SPECIFIC CONDUCTIVITY 354.4 ms/cm

PURGE END TIME: 12:40
pH 5.37 su
DISSOLVED O₂ 4.26 mg/L
TEMP 17.71 °C
SPECIFIC CONDUCTIVITY 181.0 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 7.29 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 12:41
pH 5.33 su
DISSOLVED O₂ 4.65 mg/L
TEMP 18.14 °C
SPECIFIC CONDUCTIVITY 181.0 ms/cm

SAMPLE END TIME: 12:47

COMMENTS:

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW12
NJDEP ID #: 29-39179
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/28/02
WEATHER: Overcast and cold.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 5.60 ft
DEPTH OF WELL: 16.10 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.50 ft
(10.50) X .163 X 3 =5.13
GALLONS OF H₂O TO BE PURGED: 5 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:25
pH 6.24 su
DISSOLVED O₂ 0.05 mg/L
TEMP 16.15 °C
SPECIFIC CONDUCTIVITY 530.0 ms/cm

PURGE END TIME: 13:47
pH 6.37 su
DISSOLVED O₂ 0.03 mg/L
TEMP 16.95 °C
SPECIFIC CONDUCTIVITY 555.6 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 8.56 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 5 gal

SAMPLE START TIME: 13:48
pH 6.30 su
DISSOLVED O₂ 0.03 mg/L
TEMP 16.98 °C
SPECIFIC CONDUCTIVITY 562.5 ms/cm

SAMPLE END TIME: 13:53

COMMENTS:

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW13
NJDEP ID #: 29-39178
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/28/02
WEATHER: Overcast and cold.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 2.08 ft
DEPTH OF WELL: 18.82 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 16.74 ft
(16.74) X .163 X 3 = 8.19
GALLONS OF H₂O TO BE PURGED: 8 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:56
pH 6.12 su
DISSOLVED O₂ 999.99 mg/L

TEMP 15.80 °C
SPECIFIC CONDUCTIVITY 1770 ms/cm

PURGE END TIME: 14:31
pH 5.86 su
DISSOLVED O₂ 0.00 mg/L

TEMP 17.27 °C
SPECIFIC CONDUCTIVITY 711.5 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 2.41 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 8 gal

SAMPLE START TIME: 14:32
pH 5.89 su
DISSOLVED O₂ 0.00 mg/L

TEMP 17.34 °C
SPECIFIC CONDUCTIVITY 709.4 ms/cm

SAMPLE END TIME: 14:39

COMMENTS: Slightly cloudy.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW14
NJDEP ID #: 29-39177
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/28/02
WEATHER: Overcast and cold..
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 2.29 ft
DEPTH OF WELL: 20.15 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 17.86 ft
(17.86) X .163 X 3 = 8.73
GALLONS OF H₂O TO BE PURGED: 8 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 14:10
pH 6.49 su
DISSOLVED O₂ 0.55 mg/L
TEMP 15.21 °C
SPECIFIC CONDUCTIVITY 400.2 ms/cm

PURGE END TIME: 14:49
pH 6.40 su
DISSOLVED O₂ 0.28 mg/L
TEMP 15.26 °C
SPECIFIC CONDUCTIVITY 377.4 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 3.20 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 8 gal

SAMPLE START TIME: 14:50
pH 6.42 su
DISSOLVED O₂ 0.21 mg/L
TEMP 15.28 °C
SPECIFIC CONDUCTIVITY 378.5 ms/cm

SAMPLE END TIME: 14:56

COMMENTS:

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW15
NJDEP ID #: 29-40120
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/28/02
WEATHER: Sunny and cold.
TIDE: Low.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.87 ft
DEPTH OF WELL: 19.71 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.84 ft
(11.84) X .65 X 3 =23.08
GALLONS OF H₂O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:22

pH 3.95 su
DISSOLVED O₂ 8.60 mg/L

TEMP 17.99 °C
SPECIFIC CONDUCTIVITY 188.2 ms/cm

PURGE END TIME: 10:02

pH 3.87 su
DISSOLVED O₂ 13.25 mg/L

TEMP 18.98 °C
SPECIFIC CONDUCTIVITY 182.6 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 8.15 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 10:03

pH 3.89 su
DISSOLVED O₂ 12.31 mg/L

TEMP 18.97 °C
SPECIFIC CONDUCTIVITY 182.7 ms/cm

SAMPLE END TIME: 10:09

COMMENTS:

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW16
NJDEP ID #: 29-40121
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/28/02
WEATHER: Sunny and cold.
TIDE: Low.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.84 ft
DEPTH OF WELL: 17.93 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.09 ft
(11.09) X .65 X 3 = 21.62
GALLONS OF H₂O TO BE PURGED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:28
pH 5.35 su
DISSOLVED O₂ 0.00 mg/L
TEMP 17.22 °C
SPECIFIC CONDUCTIVITY 703.8 ms/cm

PURGE END TIME: 10:03
pH 5.02 su
DISSOLVED O₂ 0.65 mg/L
TEMP 18.76 °C
SPECIFIC CONDUCTIVITY 455.4 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 7.05 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 10:11
pH 5.04 su
DISSOLVED O₂ 0.08 mg/L
TEMP 18.81 °C
SPECIFIC CONDUCTIVITY 457.6 ms/cm

SAMPLE END TIME: 10:16

COMMENTS: Methane odor.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW18
NJDEP ID #: 29-40123
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/28/02
WEATHER: Sunny and cold.
TIDE: Low.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.76 ft
DEPTH OF WELL: 20.17 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.41 ft
(13.41) X .65 X 3 =26.14
GALLONS OF H2O TO BE PURGED: 26 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:34
pH 5.83 su
DISSOLVED O₂ 1.05 mg/L
TEMP 15.09 °C
SPECIFIC CONDUCTIVITY 329.4 ms/cm

PURGE END TIME: 10:27
pH 5.49 su
DISSOLVED O₂ 1.76 mg/L
TEMP 15.84 °C
SPECIFIC CONDUCTIVITY 238.5 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.12 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 26 gal

SAMPLE START TIME: 10:28
pH 5.44 su
DISSOLVED O₂ 1.04 mg/L
TEMP 15.86 °C
SPECIFIC CONDUCTIVITY 238.4 ms/cm

SAMPLE END TIME: 10:32

COMMENTS: Slightly cloudy.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW19
NJDEP ID #: 29-40124
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/28/02
WEATHER: Sunny and cold.
TIDE: Low.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.47 ft
DEPTH OF WELL: 19.98 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.51 ft
(13.51) X .65 X 3 =26.34
GALLONS OF H₂O TO BE PURGED: 26 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:40

pH 5.23 su

DISSOLVED O₂ 1.87 mg/L

TEMP 16.66 °C

SPECIFIC CONDUCTIVITY 261.1 ms/cm

PURGE END TIME: 10:33

pH 5.42 su

DISSOLVED O₂ 0.54 mg/L

TEMP 17.55 °C

SPECIFIC CONDUCTIVITY 271.9 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 6.61 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 26 gal

SAMPLE START TIME: 10:35

pH 5.48 su

DISSOLVED O₂ 0.39 mg/L

TEMP 17.66 °C

SPECIFIC CONDUCTIVITY 272.2 ms/cm

SAMPLE END TIME: 10:40

COMMENTS: DUP. and MS/MSD here.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW20
NJDEP ID #: 29-40122
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/28/02
WEATHER: Sunny and cold.
TIDE: Low.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.45 ft
DEPTH OF WELL: 16.07 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.62 ft
(10.62) X .65 X 3 =20.70
GALLONS OF H₂O TO BE PURGED: 21 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:45
pH 5.47 su
DISSOLVED O₂ 7.01 mg/L
TEMP 17.73 °C
SPECIFIC CONDUCTIVITY 221.0 ms/cm

PURGE END TIME: 10:16
pH 5.37 su
DISSOLVED O₂ 5.14 mg/L
TEMP 17.86 °C
SPECIFIC CONDUCTIVITY 259.5 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 5.71 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 10:17
pH 5.34 su
DISSOLVED O₂ 4.41 mg/L
TEMP 17.91 °C
SPECIFIC CONDUCTIVITY 258.4 ms/cm

SAMPLE END TIME: 10:24

COMMENTS: Low drain down. Cloudy and yellow during purge/bail.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW23
NJDEP ID #: 29-40125
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/28/02
WEATHER: Overcast and cold.
TIDE: Low.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.72 ft
DEPTH OF WELL: 19.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.03 ft
(12.03) X .65 X 3 =23.45
GALLONS OF H₂O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:10

pH 5.99 su
DISSOLVED O₂ 1.98 mg/L

TEMP 17.79 °C
SPECIFIC CONDUCTIVITY 202.5 ms/cm

PURGE END TIME: 12:50

pH 5.82 su
DISSOLVED O₂ 4.99 mg/L

TEMP 18.38 °C
SPECIFIC CONDUCTIVITY 203.4 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 8.00 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 12:51

pH 5.81 su
DISSOLVED O₂ 3.74 mg/L

TEMP 18.40 °C
SPECIFIC CONDUCTIVITY 203.7 ms/cm

SAMPLE END TIME: 12:56

COMMENTS: Black particles.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW25
NJDEP ID #: 29-40126
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/28/02
WEATHER: Sunny and cold.
TIDE: Low.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 10.93 ft
DEPTH OF WELL: 19.94 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.01 ft
(9.01) X .65 X 3 =17.56
GALLONS OF H₂O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:18
pH 4.94 su
DISSOLVED O₂ 0.32 mg/L
TEMP 14.69 °C
SPECIFIC CONDUCTIVITY 470.1 ms/cm

PURGE END TIME: 09:33
pH 5.08 su
DISSOLVED O₂ 0.61 mg/L
TEMP 15.65 °C
SPECIFIC CONDUCTIVITY 379.4 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 11.05 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 09:34
pH 5.05 su
DISSOLVED O₂ 0.65 mg/L
TEMP 15.67 °C
SPECIFIC CONDUCTIVITY 379.3 ms/cm

SAMPLE END TIME: 09:38

COMMENTS:

**US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461**

Definition of Qualifiers

MDL	:	Method Detection Limit
J	:	Compound identified below detection limit
B	:	Compound found in blank
D	:	Results are from a dilution of the sample
U	:	Compound searched for but not detected
E	:	Compound exceeds calibration limit
PQL	:	Practical Quantitation Limit
NLE	:	No limit established
RT	:	Retention time

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

Data File **VC008752.D**
 Operator **Skelton**
 Date Acquired **6-Nov-02**

Sample Name **MB 06Nov02**
 Field ID **MB 06Nov02**
 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	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	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	
156-59-2	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 ether			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 2-Sept 97

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

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

MB 06Nov02

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20760 Location: M5 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 06Nov02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008752.D

Level: (low/med) LOW Date Received: 10/28/02

% Moisture: not dec. _____ Date Analyzed: 11/6/02

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008757.D**
 Operator **Skelton**
 Date Acquired **6-Nov-02**

Sample Name **2076001**
 Field ID **Trip Blank**
 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	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	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	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.88	86811	2.21 ug/L	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 ether			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 2-Sept 97

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 NJDEP#: 13461

Project: LTM Case No.: 20760 Location: M5 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2076001

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008757.D

Level: (low/med) LOW Date Received: 10/28/02

% Moisture: not dec. _____ Date Analyzed: 11/6/02

GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008758.D**
 Operator **Skelton**
 Date Acquired **6-Nov-02**

Sample Name **2076002**
 Field ID **Field Blank**
 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	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	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	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.88	83311	2.25 ug/L	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 ether			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 2-Sept 97

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 NJDEP#: 13461
Project: LTM Case No.: 20760 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 2076002
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008758.D
Level: (low/med) LOW Date Received: 10/28/02
% Moisture: not dec. _____ Date Analyzed: 11/6/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008759.D**
 Operator **Skelton**
 Date Acquired **6-Nov-02**

Sample Name **2076003**
 Field ID **Dupe**
 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	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	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	16.03	34703	4.06 ug/L	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.87	63596	2.37 ug/L	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	20.09	17501	1.06 ug/L	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 ether			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	24.71	75790	4.89 ug/L	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 2-Sept 97

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:

Dupe

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20760 Location: M5 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2076003

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008759.D

Level: (low/med) LOW Date Received: 10/28/02

% Moisture: not dec. _____ Date Analyzed: 11/6/02

GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008760.D**
 Operator **Skelton**
 Date Acquired **6-Nov-02**

Sample Name **2076004**
 Field ID **M5MW10**
 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	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	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	
156-59-2	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 ether			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 2-Sept 97

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:

M5MW10

Lab Name: FMETL NJDEP#: 13461
Project: LTM Case No.: 20760 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 2076004
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008760.D
Level: (low/med) LOW Date Received: 10/28/02
% Moisture: not dec. _____ Date Analyzed: 11/6/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008761.D**
 Operator **Skelton**
 Date Acquired **6-Nov-02**

Sample Name **2076005**
 Field ID **M5MW11**
 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	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	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	
156-59-2	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 ether			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	24.70	121477	8.14 ug/L	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 2-Sept 97

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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

M5MW11

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20760 Location: M5 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2076005

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008761.D

Level: (low/med) LOW Date Received: 10/28/02

% Moisture: not dec. _____ Date Analyzed: 11/6/02

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008762.D**
 Operator **Skelton**
 Date Acquired **6-Nov-02**

Sample Name **2076006**
 Field ID **M5MW12**
 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	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	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	
156-59-2	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 ether			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 2-Sept 97

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:

M5MW12

Lab Name: FMETL NJDEP#: 13461
Project: LTM Case No.: 20760 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 2076006
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008762.D
Level: (low/med) LOW Date Received: 10/28/02
% Moisture: not dec. _____ Date Analyzed: 11/6/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008763.D**
 Operator **Skelton**
 Date Acquired **6-Nov-02**

Sample Name **2076007**
 Field ID **MSMW13**
 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	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	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	
156-59-2	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 ether			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 2-Sept 97

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:

M5MW13

Lab Name: FMETL NJDEP#: 13461
Project: LTM Case No.: 20760 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 2076007
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008763.D
Level: (low/med) LOW Date Received: 10/28/02
% Moisture: not dec. _____ Date Analyzed: 11/6/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008764.D**
 Operator **Skelton**
 Date Acquired **6-Nov-02**

Sample Name **2076008**
 Field ID **M5MW14**
 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	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	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	
156-59-2	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 ether			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 2-Sept 97

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:

M5MW14

Lab Name: FMETL NJDEP#: 13461
Project: LTM Case No.: 20760 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 2076008
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008764.D
Level: (low/med) LOW Date Received: 10/28/02
% Moisture: not dec. _____ Date Analyzed: 11/6/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008765.D**
 Operator **Skelton**
 Date Acquired **6-Nov-02**

Sample Name **2076009**
 Field ID **M5MW15**
 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	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	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	
156-59-2	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 ether			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 2-Sept 97

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:

M5MW15

Lab Name: FMETL NJDEP#: 13461
Project: LTM Case No.: 20760 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 2076009
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008765.D
Level: (low/med) LOW Date Received: 10/28/02
% Moisture: not dec. _____ Date Analyzed: 11/6/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008766.D**
 Operator **Skelton**
 Date Acquired **6-Nov-02**

Sample Name **2076010**
 Field ID **M5MW16**
 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	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	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	16.03	21421	2.59 ug/L	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.86	4025766	154.38 ug/L	10	0.17 ug/L	E
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	20.10	34254	2.23 ug/L	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 ether			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	24.71	628690	42.41 ug/L	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 2-Sept 97

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

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

Data File **VC008782.D**
 Operator **Skelton**
 Date Acquired **7-Nov-02**

Sample Name **2076010**
 Field ID **M5MW16**
 Multiplier **5**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	9.25 ug/L	
107131	Acrylonitrile			not detected	50	13.90 ug/L	
75650	tert-Butyl alcohol			not detected	nle	42.60 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.80 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	8.40 ug/L	
74-87-3	Chloromethane			not detected	30	5.80 ug/L	
75-01-4	Vinyl Chloride			not detected	5	5.30 ug/L	
74-83-9	Bromomethane			not detected	10	5.50 ug/L	
75-00-3	Chloroethane			not detected	nle	5.05 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	2.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	1.20 ug/L	
67-64-1	Acetone			not detected	700	6.80 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	2.30 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.20 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.80 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.60 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	3.90 ug/L	
78-93-3	2-Butanone			not detected	300	3.10 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.87	538285	103.82 ug/L	10	0.85 ug/L	D
67-66-3	Chloroform			not detected	6	1.50 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	1.15 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	2.35 ug/L	
71-43-2	Benzene			not detected	1	1.15 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.90 ug/L	
79-01-6	Trichloroethene			not detected	1	1.15 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	2.75 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	3.25 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	3.45 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	2.95 ug/L	
108-88-3	Toluene			not detected	1000	1.85 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	4.35 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	2.40 ug/L	
127-18-4	Tetrachloroethene	24.70	98355	33.87 ug/L	1	1.60 ug/L	D
591-78-6	2-Hexanone			not detected	nle	3.55 ug/L	
126-48-1	Dibromochloromethane			not detected	10	4.30 ug/L	
108-90-7	Chlorobenzene			not detected	4	1.95 ug/L	
100-41-4	Ethylbenzene			not detected	700	3.25 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	5.70 ug/L	
1330-20-7	o-Xylene			not detected	nle	3.10 ug/L	
100-42-5	Styrene			not detected	100	2.80 ug/L	
75-25-2	Bromoform			not detected	4	3.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	2.35 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.75 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	2.85 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	3.20 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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:

M5MW16

Lab Name: FMETL NJDEP#: 13461
Project: LTM Case No.: 20760 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 2076010
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008766.D
Level: (low/med) LOW Date Received: 10/28/02
% Moisture: not dec. _____ Date Analyzed: 11/6/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008767.D**
 Operator **Skelton**
 Date Acquired **6-Nov-02**

Sample Name **2076011**
 Field ID **M5MW18**
 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	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	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	
156-59-2	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 ether			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 2-Sept 97

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:

M5MW18

Lab Name: FMETL NJDEP#: 13461
Project: LTM Case No.: 20760 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 2076011
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008767.D
Level: (low/med) LOW Date Received: 10/28/02
% Moisture: not dec. _____ Date Analyzed: 11/6/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008768.D**
 Operator **Skelton**
 Date Acquired **7-Nov-02**

Sample Name **2076012**
 Field ID **M5MW19**
 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	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	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	16.03	31542	3.93 ug/L	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.87	57584	2.28 ug/L	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	20.09	15452	1.00 ug/L	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 ether			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	24.70	73562	5.10 ug/L	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 2-Sept 97

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:

M5MW19

Lab Name: FMETL NJDEP#: 13461
Project: LTM Case No.: 20760 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 2076012
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008768.D
Level: (low/med) LOW Date Received: 10/28/02
% Moisture: not dec. _____ Date Analyzed: 11/7/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008769.D**
 Operator **Skelton**
 Date Acquired **7-Nov-02**

Sample Name **2076013**
 Field ID **M5MW20**
 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	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	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	
156-59-2	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 ether			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	24.70	189216	12.99 ug/L	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 2-Sept 97

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:

M5MW20

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20760 Location: M5 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2076013

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008769.D

Level: (low/med) LOW Date Received: 10/28/02

% Moisture: not dec. _____ Date Analyzed: 11/7/02

GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008770.D**
 Operator **Skelton**
 Date Acquired **7-Nov-02**

Sample Name **2076014**
 Field ID **M5MW23**
 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	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	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	
156-59-2	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 ether			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 2-Sept 97

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:

M5MW23

Lab Name: FMETL NJDEP#: 13461
Project: LTM Case No.: 20760 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 2076014
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008770.D
Level: (low/med) LOW Date Received: 10/28/02
% Moisture: not dec. _____ Date Analyzed: 11/7/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008771.D**
 Operator **Skelton**
 Date Acquired **7-Nov-02**

Sample Name **2076015**
 Field ID **M5MW25**
 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	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	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	
156-59-2	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 ether			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., 7:9-6.2-Sept 97

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:

M5MW25

Lab Name: FMETL NJDEP#: 13461
Project: LTM Case No.: 20760 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 2076015
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008771.D
Level: (low/med) LOW Date Received: 10/28/02
% Moisture: not dec. _____ Date Analyzed: 11/7/02
GC Column: ZB-624 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
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Semi-Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File Name **BNA07247.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **MB-102902**
 Misc Info **MB-102902**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.27 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78 ug/L	
62-53-3	Aniline			not detected	NLE	1.11 ug/L	
108-95-2	Phenol			not detected	4000	0.45 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.97 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.93 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.78 ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.78 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.88 ug/L	
98-95-3	Nitrobenzene			not detected	10	1.15 ug/L	
78-59-1	Isophorone			not detected	100	0.92 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.00 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.82 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.74 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.77 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.68 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.24 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.84 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.86 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.79 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.84 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.66 ug/L	
83-32-9	Acenaphthene			not detected	400	0.86 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.37 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.85 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.58 ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name **BNA07247.D**
Operator **BPatel**
Date Acquired **30-Oct-02**

Sample Name **MB-102902**
Misc Info **MB-102902**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86 ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.71 ug/L	
86-73-7	Fluorene			not detected	300	0.86 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.19 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83 ug/L	
103-33-3	Azobenzene			not detected	NLE	0.75 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.61 ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.36 ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.84 ug/L	
120-12-7	Anthracene			not detected	2000	0.72 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.61 ug/L	
206-44-0	Fluoranthene			not detected	300	0.60 ug/L	
92-87-5	Benzidine			not detected	50	2.71 ug/L	
129-00-0	Pyrene			not detected	200	0.89 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.67 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.69 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79 ug/L	
218-01-9	Chrysene			not detected	20	0.91 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.59 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.72 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66 ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

MB-102902

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20760 Location: M5 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: MB-102902

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07247.D

Level: (low/med) LOW Date Received: 10/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/29/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/30/02

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.	unknown	7.42	11	J

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

Data File Name **BNA07249.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **2076002**
 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	1.27 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78 ug/L	
62-53-3	Aniline			not detected	NLE	1.11 ug/L	
108-95-2	Phenol			not detected	4000	0.45 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.97 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.93 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.78 ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.78 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.88 ug/L	
98-95-3	Nitrobenzene			not detected	10	1.15 ug/L	
78-59-1	Isophorone			not detected	100	0.92 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.00 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.82 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.74 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.77 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.68 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.24 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.84 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.86 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.79 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.84 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.66 ug/L	
83-32-9	Acenaphthene			not detected	400	0.86 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.37 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.85 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.58 ug/L	

Semi-Volatile Analysis Report
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Data File Name **BNA07249.D**
Operator **BPatel**
Date Acquired **30-Oct-02**

Sample Name **2076002**
Misc Info **Field Blank**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86 ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.71 ug/L	
86-73-7	Fluorene			not detected	300	0.86 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.19 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83 ug/L	
103-33-3	Azobenzene			not detected	NLE	0.75 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.61 ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.36 ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.84 ug/L	
120-12-7	Anthracene			not detected	2000	0.72 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.61 ug/L	
206-44-0	Fluoranthene			not detected	300	0.60 ug/L	
92-87-5	Benzydine			not detected	50	2.71 ug/L	
129-00-0	Pyrene			not detected	200	0.89 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.67 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.69 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79 ug/L	
218-01-9	Chrysene			not detected	20	0.91 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.59 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.72 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66 ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

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

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

Field Blank

Lab Name: FMETL Lab Code 13461
Project: LTM Case No.: 20760 Location: M5 SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 2076002
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07249.D
Level: (low/med) LOW Date Received: 10/28/02
% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/29/02
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/30/02
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.	unknown	7.42	10	J

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

Data File Name **BNA07250.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **2076003**
 Misc Info **Dupe**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.27 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78 ug/L	
62-53-3	Aniline			not detected	NLE	1.11 ug/L	
108-95-2	Phenol			not detected	4000	0.45 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.97 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.93 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.78 ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96 ug/L	
106-44-5	4-Methylphenol	11.87	39761	2.08 ug/L	NLE	0.78 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.88 ug/L	
98-95-3	Nitrobenzene			not detected	10	1.15 ug/L	
78-59-1	Isophorone			not detected	100	0.92 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.00 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.82 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.74 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.77 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.68 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.24 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.84 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.86 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.79 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.84 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.66 ug/L	
83-32-9	Acenaphthene			not detected	400	0.86 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.37 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.85 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.58 ug/L	

Semi-Volatile Analysis Report

Page 2

Data File Name **BNA07250.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **2076003**
 Misc Info **Dupe**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86 ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.71 ug/L	
86-73-7	Fluorene			not detected	300	0.86 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.19 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83 ug/L	
103-33-3	Azobenzene			not detected	NLE	0.75 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.61 ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.36 ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.84 ug/L	
120-12-7	Anthracene			not detected	2000	0.72 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.61 ug/L	
206-44-0	Fluoranthene			not detected	300	0.60 ug/L	
92-87-5	Benzidine			not detected	50	2.71 ug/L	
129-00-0	Pyrene			not detected	200	0.89 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.67 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.69 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79 ug/L	
218-01-9	Chrysene			not detected	20	0.91 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.59 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.72 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66 ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

Dupe

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20760 Location: M5 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2076003

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07250.D

Level: (low/med) LOW Date Received: 10/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/29/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/30/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

Number TICs found: 8 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.81	8	J
2. 000107-92-6	Butanoic acid	6.57	39	JN
3.	unknown	7.44	11	J
4. 000503-74-2	Butanoic acid, 3-methyl-	7.67	6	JN
5.	unknown	7.90	17	J
6. 000109-52-4	Pentanoic acid	8.65	92	JN
7.	unknown	9.49	5	J
8.	unknown	18.83	4	J

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

Data File Name **BNA07251.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **2076004**
 Misc Info **M5MW10**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.27 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78 ug/L	
62-53-3	Aniline			not detected	NLE	1.11 ug/L	
108-95-2	Phenol			not detected	4000	0.45 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.97 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.93 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.78 ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.78 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.88 ug/L	
98-95-3	Nitrobenzene			not detected	10	1.15 ug/L	
78-59-1	Isophorone			not detected	100	0.92 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.00 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.82 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.74 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.77 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.68 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.24 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.84 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.86 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.79 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.84 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.66 ug/L	
83-32-9	Acenaphthene			not detected	400	0.86 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.37 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.85 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.58 ug/L	

Semi-Volatile Analysis Report
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Data File Name **BNA07251.D**
Operator **BPatel**
Date Acquired **30-Oct-02**

Sample Name **2076004**
Misc Info **M5MW10**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86 ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.71 ug/L	
86-73-7	Fluorene			not detected	300	0.86 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.19 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83 ug/L	
103-33-3	Azobenzene			not detected	NLE	0.75 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.61 ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.36 ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.84 ug/L	
120-12-7	Anthracene			not detected	2000	0.72 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.61 ug/L	
206-44-0	Fluoranthene			not detected	300	0.60 ug/L	
92-87-5	Benzidine			not detected	50	2.71 ug/L	
129-00-0	Pyrene			not detected	200	0.89 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.67 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.69 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79 ug/L	
218-01-9	Chrysene			not detected	20	0.91 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.59 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.72 ug/L	
193-39-5	Indenof[1,2,3-cd]pyrene			not detected	20	2.56 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66 ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

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:

M5MW10

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20760 Location: M5 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2076004

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07251.D

Level: (low/med) LOW Date Received: 10/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/29/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/30/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.42	10	J
2.	unknown	25.25	4	J

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

Data File Name **BNA07252.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **2076005**
 Misc Info **M5MW11**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.27 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78 ug/L	
62-53-3	Aniline			not detected	NLE	1.11 ug/L	
108-95-2	Phenol			not detected	4000	0.45 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.97 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.93 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.78 ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.78 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.88 ug/L	
98-95-3	Nitrobenzene			not detected	10	1.15 ug/L	
78-59-1	Isophorone			not detected	100	0.92 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.00 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.82 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.74 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.77 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.68 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.24 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.84 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.86 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.79 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.84 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.66 ug/L	
83-32-9	Acenaphthene			not detected	400	0.86 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.37 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.85 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.58 ug/L	

Semi-Volatile Analysis Report

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Data File Name **BNA07252.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **2076005**
 Misc Info **M5MW11**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86 ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.71 ug/L	
86-73-7	Fluorene			not detected	300	0.86 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.19 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83 ug/L	
103-33-3	Azobenzene			not detected	NLE	0.75 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.61 ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.36 ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.84 ug/L	
120-12-7	Anthracene			not detected	2000	0.72 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.61 ug/L	
206-44-0	Fluoranthene			not detected	300	0.60 ug/L	
92-87-5	Benzydine			not detected	50	2.71 ug/L	
129-00-0	Pyrene			not detected	200	0.89 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.67 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.69 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79 ug/L	
218-01-9	Chrysene			not detected	20	0.91 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.59 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.72 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66 ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

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

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW11

Lab Name: FMETL Lab Code 13461
 Project: LTM Case No.: 20760 Location: M5 SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 2076005
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07252.D
 Level: (low/med) LOW Date Received: 10/28/02
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 10/29/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/30/02
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.42	10	J
2.	unknown	25.25	5	J

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

Data File Name **BNA07253.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **2076006**
 Misc Info **M5MW12**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.27 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78 ug/L	
62-53-3	Aniline			not detected	NLE	1.11 ug/L	
108-95-2	Phenol			not detected	4000	0.45 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.97 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.93 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.78 ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.78 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.88 ug/L	
98-95-3	Nitrobenzene			not detected	10	1.15 ug/L	
78-59-1	Isophorone			not detected	100	0.92 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.00 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.82 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.74 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.77 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.68 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.24 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.84 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.86 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.79 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.84 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.66 ug/L	
83-32-9	Acenaphthene			not detected	400	0.86 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.37 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.85 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.58 ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name **BNA07253.D**
Operator **BPatel**
Date Acquired **30-Oct-02**

Sample Name **2076006**
Misc Info **MSMW12**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86 ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.71 ug/L	
86-73-7	Fluorene			not detected	300	0.86 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.19 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83 ug/L	
103-33-3	Azobenzene			not detected	NLE	0.75 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.61 ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.36 ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.84 ug/L	
120-12-7	Anthracene			not detected	2000	0.72 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.61 ug/L	
206-44-0	Fluoranthene			not detected	300	0.60 ug/L	
92-87-5	Benzidine			not detected	50	2.71 ug/L	
129-00-0	Pyrene			not detected	200	0.89 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.67 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.69 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79 ug/L	
218-01-9	Chrysene			not detected	20	0.91 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	28.28	57759	1.30 ug/L	30	1.06 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.59 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.72 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66 ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW12

Lab Name: FMETL Lab Code 13461
 Project: LTM Case No.: 20760 Location: M5 SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 2076006
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07253.D
 Level: (low/med) LOW Date Received: 10/28/02
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 10/29/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/30/02
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.42	9	J
2.	unknown	25.24	6	J

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

Data File Name **BNA07254.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **2076007**
 Misc Info **M5MW13**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.27 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78 ug/L	
62-53-3	Aniline			not detected	NLE	1.11 ug/L	
108-95-2	Phenol			not detected	4000	0.45 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.97 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.93 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.78 ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.78 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.88 ug/L	
98-95-3	Nitrobenzene			not detected	10	1.15 ug/L	
78-59-1	Isophorone			not detected	100	0.92 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.00 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.82 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.74 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.77 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.68 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.24 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.84 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.86 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.79 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.84 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.66 ug/L	
83-32-9	Acenaphthene			not detected	400	0.86 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.37 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.85 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.58 ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name **BNA07254.D**
Operator **BPatel**
Date Acquired **30-Oct-02**

Sample Name **2076007**
Misc Info **MSMW13**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86 ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.71 ug/L	
86-73-7	Fluorene			not detected	300	0.86 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.19 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83 ug/L	
103-33-3	Azobenzene			not detected	NLE	0.75 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.61 ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.36 ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.84 ug/L	
120-12-7	Anthracene			not detected	2000	0.72 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.61 ug/L	
206-44-0	Fluoranthene			not detected	300	0.60 ug/L	
92-87-5	Benzidine			not detected	50	2.71 ug/L	
129-00-0	Pyrene			not detected	200	0.89 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.67 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.69 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79 ug/L	
218-01-9	Chrysene			not detected	20	0.91 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	28.28	60911	1.45 ug/L	30	1.06 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.59 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.72 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66 ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW13

Lab Name: FMETL Lab Code 13461
Project: LTM Case No.: 20760 Location: M5 SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 2076007
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07254.D
Level: (low/med) LOW Date Received: 10/28/02
% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/29/02
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/30/02
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.42	9	J
2.	unknown	25.24	6	J

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

Data File Name **BNA07255.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **2076008**
 Misc Info **MSMW14**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.27 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78 ug/L	
62-53-3	Aniline			not detected	NLE	1.11 ug/L	
108-95-2	Phenol			not detected	4000	0.45 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.97 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.93 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.78 ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.78 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.88 ug/L	
98-95-3	Nitrobenzene			not detected	10	1.15 ug/L	
78-59-1	Isophorone			not detected	100	0.92 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.00 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.82 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.74 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.77 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.68 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.24 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.84 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.86 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.79 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.84 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.66 ug/L	
83-32-9	Acenaphthene			not detected	400	0.86 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.37 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.85 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.58 ug/L	

Semi-Volatile Analysis Report
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Data File Name **BNA07255.D**
Operator **BPatel**
Date Acquired **30-Oct-02**

Sample Name **2076008**
Misc Info **MSMW14**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86 ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.71 ug/L	
86-73-7	Fluorene			not detected	300	0.86 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.19 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83 ug/L	
103-33-3	Azobenzene			not detected	NLE	0.75 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.61 ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.36 ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.84 ug/L	
120-12-7	Anthracene			not detected	2000	0.72 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.61 ug/L	
206-44-0	Fluoranthene			not detected	300	0.60 ug/L	
92-87-5	Benzidine			not detected	50	2.71 ug/L	
129-00-0	Pyrene			not detected	200	0.89 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.67 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.69 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79 ug/L	
218-01-9	Chrysene			not detected	20	0.91 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.59 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.72 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66 ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

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:

M5MW14

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20760 Location: M5 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2076008

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07255.D

Level: (low/med) LOW Date Received: 10/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/29/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/30/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.41	11	J
2. 000629-62-9	Pentadecane	17.94	4	JN
3.	unknown	25.25	4	J

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

Data File Name **BNA07256.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **2076009**
 Misc Info **M5MW15**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.27 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78 ug/L	
62-53-3	Aniline			not detected	NLE	1.11 ug/L	
108-95-2	Phenol			not detected	4000	0.45 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.97 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.93 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.78 ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.78 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.88 ug/L	
98-95-3	Nitrobenzene			not detected	10	1.15 ug/L	
78-59-1	Isophorone			not detected	100	0.92 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.00 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.82 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.74 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.77 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.68 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.24 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.84 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.86 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.79 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.84 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.66 ug/L	
83-32-9	Acenaphthene			not detected	400	0.86 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.37 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.85 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.58 ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name **BNA07256.D**
Operator **BPatel**
Date Acquired **30-Oct-02**

Sample Name **2076009**
Misc Info **M5MW15**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86 ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.71 ug/L	
86-73-7	Fluorene			not detected	300	0.86 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.19 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83 ug/L	
103-33-3	Azobenzene			not detected	NLE	0.75 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.61 ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.36 ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.84 ug/L	
120-12-7	Anthracene			not detected	2000	0.72 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.61 ug/L	
206-44-0	Fluoranthene			not detected	300	0.60 ug/L	
92-87-5	Benzidine			not detected	50	2.71 ug/L	
129-00-0	Pyrene			not detected	200	0.89 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.67 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.69 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79 ug/L	
218-01-9	Chrysene			not detected	20	0.91 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.59 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.72 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66 ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW15

Lab Name: FMETL Lab Code 13461
Project: LTM Case No.: 20760 Location: M5 SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 2076009
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07256.D
Level: (low/med) LOW Date Received: 10/28/02
% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/29/02
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/30/02
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.41	12	J
2.	unknown	25.25	4	J

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

Data File Name **BNA07257.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **2076010**
 Misc Info **M5MW16**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.27 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78 ug/L	
62-53-3	Aniline			not detected	NLE	1.11 ug/L	
108-95-2	Phenol			not detected	4000	0.45 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.97 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.93 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.78 ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96 ug/L	
106-44-5	4-Methylphenol	11.86	143763	7.99 ug/L	NLE	0.78 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.88 ug/L	
98-95-3	Nitrobenzene			not detected	10	1.15 ug/L	
78-59-1	Isophorone			not detected	100	0.92 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.00 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.82 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.74 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.77 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.68 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.24 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.84 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.86 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.79 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.84 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.66 ug/L	
83-32-9	Acenaphthene			not detected	400	0.86 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.37 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.85 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.58 ug/L	

Semi-Volatile Analysis Report

Page 2

Data File Name **BNA07257.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **2076010**
 Misc Info **M5MW16**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86 ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.71 ug/L	
86-73-7	Fluorene			not detected	300	0.86 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.19 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83 ug/L	
103-33-3	Azobenzene			not detected	NLE	0.75 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.61 ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.36 ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.84 ug/L	
120-12-7	Anthracene			not detected	2000	0.72 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.61 ug/L	
206-44-0	Fluoranthene			not detected	300	0.60 ug/L	
92-87-5	Benzidine			not detected	50	2.71 ug/L	
129-00-0	Pyrene			not detected	200	0.89 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.67 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.69 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79 ug/L	
218-01-9	Chrysene			not detected	20	0.91 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.59 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.72 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66 ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW16

Lab Name: FMETL Lab Code 13461
Project: LTM Case No.: 20760 Location: M5 SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 2076010
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07257.D
Level: (low/med) LOW Date Received: 10/28/02
% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/29/02
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/30/02
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.42	12	J
2. 000116-53-0	Butanoic acid, 2-methyl-	7.64	8	JN

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

Data File Name **BNA07258.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **2076011**
 Misc Info **M5MW18**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.27 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78 ug/L	
62-53-3	Aniline			not detected	NLE	1.11 ug/L	
108-95-2	Phenol			not detected	4000	0.45 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.97 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.93 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.78 ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.78 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.88 ug/L	
98-95-3	Nitrobenzene			not detected	10	1.15 ug/L	
78-59-1	Isophorone			not detected	100	0.92 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.00 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.82 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.74 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.77 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.68 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.24 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.84 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.86 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.79 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.84 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.66 ug/L	
83-32-9	Acenaphthene			not detected	400	0.86 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.37 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.85 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.58 ug/L	

Semi-Volatile Analysis Report

Page 2

Data File Name **BNA07258.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **2076011**
 Misc Info **M5MW18**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86 ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.71 ug/L	
86-73-7	Fluorene			not detected	300	0.86 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.19 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83 ug/L	
103-33-3	Azobenzene			not detected	NLE	0.75 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.61 ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.36 ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.84 ug/L	
120-12-7	Anthracene			not detected	2000	0.72 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.61 ug/L	
206-44-0	Fluoranthene			not detected	300	0.60 ug/L	
92-87-5	Benzidine			not detected	50	2.71 ug/L	
129-00-0	Pyrene			not detected	200	0.89 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.67 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.69 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79 ug/L	
218-01-9	Chrysene			not detected	20	0.91 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.59 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.72 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66 ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

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:

M5MW18

Lab Name: FMETL Lab Code 13461
 Project: LTM Case No.: 20760 Location: M5 SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 2076011
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07258.D
 Level: (low/med) LOW Date Received: 10/28/02
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 10/29/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/30/02
 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.	unknown	7.42	15	J

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

Data File Name **BNA07259.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **2076012**
 Misc Info **M5MW19**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.27 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78 ug/L	
62-53-3	Aniline			not detected	NLE	1.11 ug/L	
108-95-2	Phenol			not detected	4000	0.45 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.97 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.93 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.78 ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96 ug/L	
106-44-5	4-Methylphenol	11.86	57172	3.13 ug/L	NLE	0.78 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.88 ug/L	
98-95-3	Nitrobenzene			not detected	10	1.15 ug/L	
78-59-1	Isophorone			not detected	100	0.92 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.00 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.82 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.74 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.77 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.68 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.24 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.84 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.86 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.79 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.84 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.66 ug/L	
83-32-9	Acenaphthene			not detected	400	0.86 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.37 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.85 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.58 ug/L	

Semi-Volatile Analysis Report

Page 2

Data File Name **BNA07259.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **2076012**
 Misc Info **MSMW19**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86 ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.71 ug/L	
86-73-7	Fluorene			not detected	300	0.86 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.19 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83 ug/L	
103-33-3	Azobenzene			not detected	NLE	0.75 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.61 ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.36 ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.84 ug/L	
120-12-7	Anthracene			not detected	2000	0.72 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.61 ug/L	
206-44-0	Fluoranthene			not detected	300	0.60 ug/L	
92-87-5	Benzidine			not detected	50	2.71 ug/L	
129-00-0	Pyrene			not detected	200	0.89 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.67 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.69 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79 ug/L	
218-01-9	Chrysene			not detected	20	0.91 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.59 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.72 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66 ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

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

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW19

Lab Name: FMETL Lab Code 13461
 Project: LTM Case No.: 20760 Location: M5 SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 2076012
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07259.D
 Level: (low/med) LOW Date Received: 10/28/02
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 10/29/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/30/02
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 7 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.80	10	J
2.	unknown	7.44	12	J
3.	unknown	7.74	8	J
4.	unknown	7.97	23	J
5. 000109-52-4	Pentanoic acid	8.55	46	JN
6. 000097-61-0	Pentanoic acid, 2-methyl-	9.54	7	JN
7.	unknown	11.09	5	J

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

Data File Name **BNA07262.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **2076013**
 Misc Info **M5MW20**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.27 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78 ug/L	
62-53-3	Aniline			not detected	NLE	1.11 ug/L	
108-95-2	Phenol			not detected	4000	0.45 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.97 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.93 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.78 ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.78 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.88 ug/L	
98-95-3	Nitrobenzene			not detected	10	1.15 ug/L	
78-59-1	Isophorone			not detected	100	0.92 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.00 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.82 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.74 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.77 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.68 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.24 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.84 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.86 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.79 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.84 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.66 ug/L	
83-32-9	Acenaphthene			not detected	400	0.86 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.37 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.85 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.58 ug/L	

Semi-Volatile Analysis Report Page 2

Data File Name **BNA07262.D**
Operator **BPatel**
Date Acquired **30-Oct-02**

Sample Name **2076013**
Misc Info **MSMW20**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86 ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.71 ug/L	
86-73-7	Fluorene			not detected	300	0.86 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.19 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83 ug/L	
103-33-3	Azobenzene			not detected	NLE	0.75 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.61 ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.36 ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.84 ug/L	
120-12-7	Anthracene			not detected	2000	0.72 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.61 ug/L	
206-44-0	Fluoranthene			not detected	300	0.60 ug/L	
92-87-5	Benzidine			not detected	50	2.71 ug/L	
129-00-0	Pyrene			not detected	200	0.89 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.67 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.69 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79 ug/L	
218-01-9	Chrysene			not detected	20	0.91 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.59 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.72 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66 ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW20

Lab Name: FMETL Lab Code 13461
Project: LTM Case No.: 20760 Location: M5 SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 2076013
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07262.D
Level: (low/med) LOW Date Received: 10/28/02
% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/29/02
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/30/02
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.	unknown	7.42	13	J

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

Data File Name **BNA07263.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **2076014**
 Misc Info **M5MW23**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.27 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78 ug/L	
62-53-3	Aniline			not detected	NLE	1.11 ug/L	
108-95-2	Phenol			not detected	4000	0.45 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.97 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.93 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.78 ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.78 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.88 ug/L	
98-95-3	Nitrobenzene			not detected	10	1.15 ug/L	
78-59-1	Isophorone			not detected	100	0.92 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.00 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.82 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.74 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.77 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.68 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.24 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.84 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.86 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.79 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.84 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.66 ug/L	
83-32-9	Acenaphthene			not detected	400	0.86 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.37 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.85 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.58 ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name **BNA07263.D**
Operator **BPatel**
Date Acquired **30-Oct-02**

Sample Name **2076014**
Misc Info **M5MW23**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86 ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.71 ug/L	
86-73-7	Fluorene			not detected	300	0.86 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.19 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83 ug/L	
103-33-3	Azobenzene			not detected	NLE	0.75 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.61 ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.36 ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.84 ug/L	
120-12-7	Anthracene			not detected	2000	0.72 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.61 ug/L	
206-44-0	Fluoranthene			not detected	300	0.60 ug/L	
92-87-5	Benzidine			not detected	50	2.71 ug/L	
129-00-0	Pyrene			not detected	200	0.89 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.67 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.69 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79 ug/L	
218-01-9	Chrysene			not detected	20	0.91 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.59 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.72 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66 ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

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

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW23

Lab Name: FMETL Lab Code 13461
 Project: LTM Case No.: 20760 Location: M5 SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 2076014
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07263.D
 Level: (low/med) LOW Date Received: 10/28/02
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 10/29/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/30/02
 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.	unknown	7.42	12	J

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

Data File Name **BNA07264.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **2076015**
 Misc Info **M5MW25**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.27 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78 ug/L	
62-53-3	Aniline			not detected	NLE	1.11 ug/L	
108-95-2	Phenol			not detected	4000	0.45 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.97 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.93 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.78 ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.78 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.88 ug/L	
98-95-3	Nitrobenzene			not detected	10	1.15 ug/L	
78-59-1	Isophorone			not detected	100	0.92 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.00 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.82 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.74 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.77 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.68 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.24 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.84 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.86 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.79 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.84 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.66 ug/L	
83-32-9	Acenaphthene			not detected	400	0.86 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.37 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.85 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.58 ug/L	

Semi-Volatile Analysis Report

Page 2

Data File Name **BNA07264.D**
 Operator **BPatel**
 Date Acquired **30-Oct-02**

Sample Name **2076015**
 Misc Info **M5MW25**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86 ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.71 ug/L	
86-73-7	Fluorene			not detected	300	0.86 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.19 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83 ug/L	
103-33-3	Azobenzene			not detected	NLE	0.75 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.61 ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.36 ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.84 ug/L	
120-12-7	Anthracene			not detected	2000	0.72 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.61 ug/L	
206-44-0	Fluoranthene			not detected	300	0.60 ug/L	
92-87-5	Benzidine			not detected	50	2.71 ug/L	
129-00-0	Pyrene			not detected	200	0.89 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.67 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.69 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79 ug/L	
218-01-9	Chrysene			not detected	20	0.91 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.59 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.72 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66 ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW25

Lab Name: FMETL Lab Code 13461
Project: LTM Case No.: 20760 Location: M5 SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 2076015
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07264.D
Level: (low/med) LOW Date Received: 10/28/02
% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/29/02
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/30/02
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.	unknown	7.42	10	J

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

Client :	U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Lab. ID # :	MB 30Oct02
		Date Rec'd:	28-Oct-02
		Extraction Date:	5-Dec-02
Analysis:	EPA Method 608	Location :	M5
Matrix:	Aqueous		
Analyst:	Skelton	Field ID:	MB 30Oct02
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

PQL = Practical Quantitation Limit

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

Client :	U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Lab. ID # :	MB 31Oct02
		Date Rec'd:	28-Oct-02
		Extraction Date:	15-Nov-02
Analysis:	EPA Method 608	Location :	M5
Matrix:	Aqueous		
Analyst:	Skelton	Field ID:	MB 31Oct02
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

PQL = Practical Quantitation Limit

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

Client :	U.S. Army	Lab. ID # :	2076002
	DPW, SELFM-PW-EV	Date Rec'd:	28-Oct-02
	Bldg. 173	Extraction Date:	30-Oct-02
	Ft. Monmouth, NJ 07703	Analysis Date:	5-Dec-02
Analysis:	EPA Method 608	Location :	M5
Matrix:	Aqueous		
Analyst:	Skelton	Field ID:	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

PQL = Practical Quantitation Limit

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

Client :	U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Lab. ID # :	2076003
		Date Rec'd:	28-Oct-02
		Extraction Date:	30-Oct-02
		Analysis Date:	5-Dec-02
Analysis:	EPA Method 608	Location :	M5
Matrix:	Aqueous		
Analyst:	Skelton	Field ID:	Dupe
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

PQL = Practical Quantitation Limit

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

Client :	U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Lab. ID # :	2076004
		Date Rec'd:	28-Oct-02
		Extraction Date:	30-Oct-02
		Analysis Date:	5-Dec-02
Analysis:	EPA Method 608	Location :	M5
Matrix:	Aqueous		
Analyst:	Skelton	Field ID:	M5MW10
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

PQL = Practical Quantitation Limit

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

Client :	U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Lab. ID # :	2076005
		Date Rec'd:	28-Oct-02
		Extraction Date:	30-Oct-02
		Analysis Date:	5-Dec-02
Analysis:	EPA Method 608	Location :	M5
Matrix:	Aqueous		
Analyst:	Skelton	Field ID:	M5MW11
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

PQL = Practical Quantitation Limit

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

Client :	U.S. Army	Lab. ID # :	2076006
	DPW, SELFM-PW-EV	Date Rec'd:	28-Oct-02
	Bldg. 173	Extraction Date:	30-Oct-02
	Ft. Monmouth, NJ 07703	Analysis Date:	5-Dec-02
Analysis:	EPA Method 608	Location :	M5
Matrix:	Aqueous		
Analyst:	Skelton	Field ID:	M5MW12
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

PQL = Practical Quantitation Limit

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

Client :	U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Lab. ID # :	2076007
		Date Rec'd:	28-Oct-02
		Extraction Date:	30-Oct-02
		Analysis Date:	5-Dec-02
Analysis:	EPA Method 608	Location :	M5
Matrix:	Aqueous		
Analyst:	Skelton	Field ID:	M5MW13
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

PQL = Practical Quantitation Limit

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

Client :	U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Lab. ID # :	2076008
		Date Rec'd:	28-Oct-02
		Extraction Date:	30-Oct-02
		Analysis Date:	6-Dec-02
Analysis:	EPA Method 608	Location :	M5
Matrix:	Aqueous		
Analyst:	Skelton	Field ID:	M5MW14
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

PQL = Practical Quantitation Limit

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

Client :	U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Lab. ID # :	2076010
		Date Rec'd:	28-Oct-02
		Extraction Date:	31-Oct-02
		Analysis Date:	6-Dec-02
Analysis:	EPA Method 608	Location :	M5
Matrix:	Aqueous		
Analyst:	Skelton	Field ID:	M5MW16
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

PQL = Practical Quantitation Limit

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

Client :	U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Lab. ID # :	2076011
		Date Rec'd:	28-Oct-02
		Extraction Date:	31-Oct-02
		Analysis Date:	6-Dec-02
Analysis:	EPA Method 608	Location :	M5
Matrix:	Aqueous		
Analyst:	Skelton	Field ID:	M5MW18
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

PQL = Practical Quantitation Limit

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

Client :	U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Lab. ID # :	2076012
		Date Rec'd:	28-Oct-02
		Extraction Date:	31-Oct-02
		Analysis Date:	6-Dec-02
Analysis:	EPA Method 608	Location :	M5
Matrix:	Aqueous		
Analyst:	Skelton	Field ID:	M5MW19
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides 2 30m/.32mm ID/.25um

PQL = Practical Quantitation Limit

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

Client :	U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Lab. ID # :	2076013
		Date Rec'd:	28-Oct-02
		Extraction Date:	31-Oct-02
		Analysis Date:	6-Dec-02
Analysis:	EPA Method 608	Location :	M5
Matrix:	Aqueous		
Analyst:	Skelton	Field ID:	M5MW20
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

PQL = Practical Quantitation Limit

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

Client :	U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Lab. ID # :	2076014
		Date Rec'd:	28-Oct-02
		Extraction Date:	31-Oct-02
		Analysis Date:	6-Dec-02
Analysis:	EPA Method 608	Location :	M5
Matrix:	Aqueous		
Analyst:	Skelton	Field ID:	M5MW23
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

PQL = Practical Quantitation Limit

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

Client :	U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Lab. ID # :	2076015
		Date Rec'd:	28-Oct-02
		Extraction Date:	31-Oct-02
		Analysis Date:	6-Dec-02
Analysis:	EPA Method 608	Location :	M5
Matrix:	Aqueous		
Analyst:	Skelton	Field ID:	M5MW25
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

PQL = Practical Quantitation Limit

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

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

Lab ID #:
 Sample Prepared: 11/08/02

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/08/02	20.2	200	10.0
Antimony	11/08/02	2.42	20	2.0
Arsenic	11/08/02	2.65	8	2.0
Barium	11/08/02	ND	2000	0.5
Beryllium	11/08/02	ND	20	0.5
Cadmium	11/08/02	ND	4	0.5
Calcium	11/08/02	ND	NLE	20.0
Chromium	11/08/02	ND	100	0.5
Cobalt	11/08/02	ND	NLE	0.5
Copper	11/08/02	ND	1000	2.0
Iron	11/08/02	ND	300	10.0
Lead	11/08/02	ND	10	1.0
Magnesium	11/08/02	25.6	NLE	10.0
Manganese	11/08/02	ND	50	0.5
Mercury	11/15/02	ND	2	0.1
Nickel	11/08/02	ND	100	1.0
Potassium	11/08/02	72.2	NLE	40.0
Selenium	11/08/02	ND	50	3.0
Silver	11/08/02	ND	20	1.0
Sodium	11/08/02	338	50000	20.0
Thallium	11/08/02	ND	10	2.0
Vanadium	11/08/02	ND	NLE	0.5
Zinc	11/08/02	ND	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
 * Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2076002
 Sample Received: 10/28/02
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/08/02	13.3	200	10.0
Antimony	11/08/02	ND	20	2.0
Arsenic	11/08/02	ND	8	2.0
Barium	11/08/02	12.9	2000	0.5
Beryllium	11/08/02	ND	20	0.5
Cadmium	11/08/02	ND	4	0.5
Calcium	11/08/02	130	NLE	20.0
Chromium	11/08/02	ND	100	0.5
Cobalt	11/08/02	ND	NLE	0.5
Copper	11/08/02	2.68	1000	2.0
Iron	11/08/02	44.9	300	10.0
Lead	11/08/02	ND	10	1.0
Magnesium	11/08/02	30.1	NLE	10.0
Manganese	11/08/02	1.67	50	0.5
Mercury	11/15/02	ND	2	0.1
Nickel	11/08/02	ND	100	1.0
Potassium	11/08/02	48.0	NLE	40.0
Selenium	11/08/02	5.31	50	3.0
Silver	11/08/02	ND	20	1.0
Sodium	11/08/02	724	50000	20.0
Thallium	11/08/02	ND	10	2.0
Vanadium	11/08/02	ND	NLE	0.5
Zinc	11/08/02	ND	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
 * Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2076003
 Sample Received: 10/28/02
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: Dupe

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/08/02	99.1	200	10.0
Antimony	11/08/02	ND	20	2.0
Arsenic	11/08/02	5.72	8	2.0
Barium	11/08/02	55.9	2000	0.5
Beryllium	11/08/02	ND	20	0.5
Cadmium	11/08/02	ND	4	0.5
Calcium	11/08/02	27200	NLE	20.0
Chromium	11/08/02	0.585	100	0.5
Cobalt	11/08/02	ND	NLE	0.5
Copper	11/08/02	ND	1000	2.0
Iron	11/08/02	21400	300	10.0
Lead	11/08/02	ND	10	1.0
Magnesium	11/08/02	5360	NLE	10.0
Manganese	11/08/02	80.8	50	0.5
Mercury	11/15/02	ND	2	0.1
Nickel	11/08/02	ND	100	1.0
Potassium	11/08/02	7170	NLE	40.0
Selenium	11/08/02	ND	50	3.0
Silver	11/08/02	ND	20	1.0
Sodium	11/08/02	9830	50000	20.0
Thallium	11/08/02	ND	10	2.0
Vanadium	11/08/02	0.692	NLE	0.5
Zinc	11/08/02	ND	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
 * Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2076004
 Sample Received: 10/28/02
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW10

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/08/02	281	200	10.0
Antimony	11/08/02	ND	20	2.0
Arsenic	11/08/02	4.68	8	2.0
Barium	11/08/02	66.7	2000	0.5
Beryllium	11/08/02	ND	20	0.5
Cadmium	11/08/02	ND	4	0.5
Calcium	11/08/02	15700	NLE	20.0
Chromium	11/08/02	2.45	100	0.5
Cobalt	11/08/02	ND	NLE	0.5
Copper	11/08/02	10.8	1000	2.0
Iron	11/08/02	6260	300	10.0
Lead	11/08/02	4.45	10	1.0
Magnesium	11/08/02	9840	NLE	10.0
Manganese	11/08/02	304	50	0.5
Mercury	11/15/02	ND	2	0.1
Nickel	11/08/02	ND	100	1.0
Potassium	11/08/02	7580	NLE	40.0
Selenium	11/08/02	7.86	50	3.0
Silver	11/08/02	ND	20	1.0
Sodium	11/08/02	57600	50000	20.0
Thallium	11/08/02	ND	10	2.0
Vanadium	11/08/02	1.49	NLE	0.5
Zinc	11/08/02	38.2	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

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

Lab ID #: 2076005
 Sample Received: 10/28/02
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW11

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/08/02	111	200	10.0
Antimony	11/08/02	2.23	20	2.0
Arsenic	11/08/02	3.04	8	2.0
Barium	11/08/02	15.4	2000	0.5
Beryllium	11/08/02	ND	20	0.5
Cadmium	11/08/02	ND	4	0.5
Calcium	11/08/02	17600	NLE	20.0
Chromium	11/08/02	2.26	100	0.5
Cobalt	11/08/02	ND	NLE	0.5
Copper	11/08/02	ND	1000	2.0
Iron	11/08/02	2240	300	10.0
Lead	11/08/02	1.84	10	1.0
Magnesium	11/08/02	4130	NLE	10.0
Manganese	11/08/02	15.8	50	0.5
Mercury	11/15/02	ND	2	0.1
Nickel	11/08/02	ND	100	1.0
Potassium	11/08/02	3740	NLE	40.0
Selenium	11/08/02	5.26	50	3.0
Silver	11/08/02	ND	20	1.0
Sodium	11/08/02	13000	50000	20.0
Thallium	11/08/02	ND	10	2.0
Vanadium	11/08/02	2.03	NLE	0.5
Zinc	11/08/02	79.8	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
 * Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2076006
 Sample Received: 10/28/02
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW12

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/08/02	90.9	200	10.0
Antimony	11/08/02	ND	20	2.0
Arsenic	11/08/02	ND	8	2.0
Barium	11/08/02	11.6	2000	0.5
Beryllium	11/08/02	ND	20	0.5
Cadmium	11/08/02	ND	4	0.5
Calcium	11/08/02	18600	NLE	20.0
Chromium	11/08/02	1.95	100	0.5
Cobalt	11/08/02	ND	NLE	0.5
Copper	11/08/02	5.87	1000	2.0
Iron	11/08/02	6090	300	10.0
Lead	11/08/02	2.12	10	1.0
Magnesium	11/08/02	27700	NLE	10.0
Manganese	11/08/02	54.6	50	0.5
Mercury	11/15/02	ND	2	0.1
Nickel	11/08/02	ND	100	1.0
Potassium	11/08/02	20700	NLE	40.0
Selenium	11/08/02	10.6	50	3.0
Silver	11/08/02	ND	20	1.0
Sodium	11/08/02	61100	50000	20.0
Thallium	11/08/02	ND	10	2.0
Vanadium	11/08/02	1.35	NLE	0.5
Zinc	11/08/02	5.69	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
 * Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2076007
 Sample Received: 10/28/02
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW13

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/08/02	132	200	10.0
Antimony	11/08/02	ND	20	2.0
Arsenic	11/08/02	ND	8	2.0
Barium	11/08/02	105	2000	0.5
Beryllium	11/08/02	ND	20	0.5
Cadmium	11/08/02	ND	4	0.5
Calcium	11/08/02	21700	NLE	20.0
Chromium	11/08/02	1.94	100	0.5
Cobalt	11/08/02	ND	NLE	0.5
Copper	11/08/02	ND	1000	2.0
Iron	11/08/02	10900	300	10.0
Lead	11/08/02	2.02	10	1.0
Magnesium	11/08/02	15500	NLE	10.0
Manganese	11/08/02	364	50	0.5
Mercury	11/15/02	ND	2	0.1
Nickel	11/08/02	ND	100	1.0
Potassium	11/08/02	6960	NLE	40.0
Selenium	11/08/02	7.10	50	3.0
Silver	11/08/02	ND	20	1.0
Sodium	11/08/02	92700	50000	20.0
Thallium	11/08/02	ND	10	2.0
Vanadium	11/08/02	1.53	NLE	0.5
Zinc	11/08/02	104	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
 * Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2076008
 Sample Received: 10/28/02
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW14

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/08/02	18.3	200	10.0
Antimony	11/08/02	ND	20	2.0
Arsenic	11/08/02	ND	8	2.0
Barium	11/08/02	50.4	2000	0.5
Beryllium	11/08/02	ND	20	0.5
Cadmium	11/08/02	ND	4	0.5
Calcium	11/08/02	42700	NLE	20.0
Chromium	11/08/02	1.97	100	0.5
Cobalt	11/08/02	8.54	NLE	0.5
Copper	11/08/02	ND	1000	2.0
Iron	11/08/02	1110	300	10.0
Lead	11/08/02	ND	10	1.0
Magnesium	11/08/02	16600	NLE	10.0
Manganese	11/08/02	632	50	0.5
Mercury	11/15/02	ND	2	0.1
Nickel	11/08/02	3.70	100	1.0
Potassium	11/08/02	10500	NLE	40.0
Selenium	11/08/02	8.11	50	3.0
Silver	11/08/02	ND	20	1.0
Sodium	11/08/02	36000	50000	20.0
Thallium	11/08/02	ND	10	2.0
Vanadium	11/08/02	ND	NLE	0.5
Zinc	11/08/02	13.9	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

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

Lab ID #: 2076009
 Sample Received: 10/28/02
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW15

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/08/02	511	200	10.0
Antimony	11/08/02	ND	20	2.0
Arsenic	11/08/02	ND	8	2.0
Barium	11/08/02	115	2000	0.5
Beryllium	11/08/02	1.40	20	0.5
Cadmium	11/08/02	ND	4	0.5
Calcium	11/08/02	4980	NLE	20.0
Chromium	11/08/02	1.25	100	0.5
Cobalt	11/08/02	7.22	NLE	0.5
Copper	11/08/02	ND	1000	2.0
Iron	11/08/02	797	300	10.0
Lead	11/08/02	1.32	10	1.0
Magnesium	11/08/02	9370	NLE	10.0
Manganese	11/08/02	15.5	50	0.5
Mercury	11/15/02	ND	2	0.1
Nickel	11/08/02	13.2	100	1.0
Potassium	11/08/02	4040	NLE	40.0
Selenium	11/08/02	3.44	50	3.0
Silver	11/08/02	ND	20	1.0
Sodium	11/08/02	10700	50000	20.0
Thallium	11/08/02	ND	10	2.0
Vanadium	11/08/02	ND	NLE	0.5
Zinc	11/08/02	87.7	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
 * Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2076010
 Sample Received: 10/28/02
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW16

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/08/02	446	200	10.0
Antimony	11/08/02	ND	20	2.0
Arsenic	11/08/02	27.3	8	2.0
Barium	11/08/02	233	2000	0.5
Beryllium	11/08/02	ND	20	0.5
Cadmium	11/08/02	0.986	4	0.5
Calcium	11/08/02	25500	NLE	20.0
Chromium	11/08/02	7.10	100	0.5
Cobalt	11/08/02	6.28	NLE	0.5
Copper	11/08/02	ND	1000	2.0
Iron	11/08/02	32300	300	10.0
Lead	11/08/02	1.60	10	1.0
Magnesium	11/08/02	10100	NLE	10.0
Manganese	11/08/02	85.6	50	0.5
Mercury	11/15/02	ND	2	0.1
Nickel	11/08/02	15.3	100	1.0
Potassium	11/08/02	5000	NLE	40.0
Selenium	11/08/02	4.27	50	3.0
Silver	11/08/02	ND	20	1.0
Sodium	11/08/02	43300	50000	20.0
Thallium	11/08/02	ND	10	2.0
Vanadium	11/08/02	1.78	NLE	0.5
Zinc	11/08/02	32.8	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
 * Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2076011
 Sample Received: 10/28/02
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW18

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/08/02	27.1	200	10.0
Antimony	11/08/02	ND	20	2.0
Arsenic	11/08/02	6.73	8	2.0
Barium	11/08/02	78.9	2000	0.5
Beryllium	11/08/02	ND	20	0.5
Cadmium	11/08/02	ND	4	0.5
Calcium	11/08/02	22200	NLE	20.0
Chromium	11/08/02	1.27	100	0.5
Cobalt	11/08/02	0.805	NLE	0.5
Copper	11/08/02	ND	1000	2.0
Iron	11/08/02	13500	300	10.0
Lead	11/08/02	ND	10	1.0
Magnesium	11/08/02	4060	NLE	10.0
Manganese	11/08/02	53.7	50	0.5
Mercury	11/15/02	ND	2	0.1
Nickel	11/08/02	ND	100	1.0
Potassium	11/08/02	7280	NLE	40.0
Selenium	11/08/02	3.59	50	3.0
Silver	11/08/02	ND	20	1.0
Sodium	11/08/02	9290	50000	20.0
Thallium	11/08/02	ND	10	2.0
Vanadium	11/08/02	ND	NLE	0.5
Zinc	11/08/02	13.6	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
 * Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2076012
 Sample Received: 10/28/02
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW19

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/08/02	73.6	200	10.0
Antimony	11/08/02	ND	20	2.0
Arsenic	11/08/02	8.10	8	2.0
Barium	11/08/02	69.1	2000	0.5
Beryllium	11/08/02	ND	20	0.5
Cadmium	11/08/02	ND	4	0.5
Calcium	11/08/02	27500	NLE	20.0
Chromium	11/08/02	2.42	100	0.5
Cobalt	11/08/02	ND	NLE	0.5
Copper	11/08/02	ND	1000	2.0
Iron	11/08/02	21500	300	10.0
Lead	11/08/02	1.39	10	1.0
Magnesium	11/08/02	5410	NLE	10.0
Manganese	11/08/02	81.3	50	0.5
Mercury	11/15/02	ND	2	0.1
Nickel	11/08/02	ND	100	1.0
Potassium	11/08/02	7280	NLE	40.0
Selenium	11/08/02	ND	50	3.0
Silver	11/08/02	ND	20	1.0
Sodium	11/08/02	9950	50000	20.0
Thallium	11/08/02	ND	10	2.0
Vanadium	11/08/02	0.609	NLE	0.5
Zinc	11/08/02	ND	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

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

Lab ID #: 2076013
 Sample Received: 10/28/02
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW20

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/08/02	6000	200	10.0
Antimony	11/08/02	ND	20	2.0
Arsenic	11/08/02	5.22	8	2.0
Barium	11/08/02	22.1	2000	0.5
Beryllium	11/08/02	ND	20	0.5
Cadmium	11/08/02	ND	4	0.5
Calcium	11/08/02	11700	NLE	20.0
Chromium	11/08/02	40.3	100	0.5
Cobalt	11/08/02	1.43	NLE	0.5
Copper	11/08/02	4.93	1000	2.0
Iron	11/08/02	11500	300	10.0
Lead	11/08/02	4.41	10	1.0
Magnesium	11/08/02	4790	NLE	10.0
Manganese	11/08/02	19.6	50	0.5
Mercury	11/15/02	ND	2	0.1
Nickel	11/08/02	3.36	100	1.0
Potassium	11/08/02	4960	NLE	40.0
Selenium	11/08/02	4.13	50	3.0
Silver	11/08/02	ND	20	1.0
Sodium	11/08/02	38000	50000	20.0
Thallium	11/08/02	ND	10	2.0
Vanadium	11/08/02	21.7	NLE	0.5
Zinc	11/08/02	20.2	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

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

Lab ID #: 2076014
 Sample Received: 10/28/02
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW23

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/08/02	100	200	10.0
Antimony	11/08/02	ND	20	2.0
Arsenic	11/08/02	16.5	8	2.0
Barium	11/08/02	5.50	2000	0.5
Beryllium	11/08/02	ND	20	0.5
Cadmium	11/08/02	ND	4	0.5
Calcium	11/08/02	8910	NLE	20.0
Chromium	11/08/02	2.40	100	0.5
Cobalt	11/08/02	0.911	NLE	0.5
Copper	11/08/02	ND	1000	2.0
Iron	11/08/02	14000	300	10.0
Lead	11/08/02	1.29	10	1.0
Magnesium	11/08/02	2300	NLE	10.0
Manganese	11/08/02	24.3	50	0.5
Mercury	11/15/02	ND	2	0.1
Nickel	11/08/02	ND	100	1.0
Potassium	11/08/02	1410	NLE	40.0
Selenium	11/08/02	ND	50	3.0
Silver	11/08/02	ND	20	1.0
Sodium	11/08/02	23900	50000	20.0
Thallium	11/08/02	ND	10	2.0
Vanadium	11/08/02	2.17	NLE	0.5
Zinc	11/08/02	ND	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

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

Lab ID #: 2076015
 Sample Received: 10/28/02
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW25

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/08/02	129	200	10.0
Antimony	11/08/02	ND	20	2.0
Arsenic	11/08/02	7.50	8	2.0
Barium	11/08/02	57.9	2000	0.5
Beryllium	11/08/02	ND	20	0.5
Cadmium	11/08/02	1.25	4	0.5
Calcium	11/08/02	13000	NLE	20.0
Chromium	11/08/02	5.80	100	0.5
Cobalt	11/08/02	3.27	NLE	0.5
Copper	11/08/02	ND	1000	2.0
Iron	11/08/02	6510	300	10.0
Lead	11/08/02	ND	10	1.0
Magnesium	11/08/02	4370	NLE	10.0
Manganese	11/08/02	101	50	0.5
Mercury	11/15/02	ND	2	0.1
Nickel	11/08/02	13.0	100	1.0
Potassium	11/08/02	2890	NLE	40.0
Selenium	11/08/02	3.38	50	3.0
Silver	11/08/02	ND	20	1.0
Sodium	11/08/02	49300	50000	20.0
Thallium	11/08/02	ND	10	2.0
Vanadium	11/08/02	ND	NLE	0.5
Zinc	11/08/02	522	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

Units:	Lab	Iron	Manganese	Aluminum	Calcium	Lead	Nickel	Potassium	Sodium	Depth to Water	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
05/08/1997	FMETL	4080	87	-	-	-	-	-	-	4.20	V,S,P,M
08/08/1997	FMETL	1680	59	-	-	-	-	-	-	4.40	V,S,P,M
10/29/1997	FMETL	7386	200	105	31340	8	1.3	13450	82150	4.30	V,S,P,M
02/18/1998	FMETL	4899	138	96	17870	ND	2.3	11160	114800	3.00	V,S,P,M
05/06/1998	FMETL	6027	75	60.1	8165	ND	2.2	6453	39780	3.90	V,S,P,M
08/04/1998	FMETL	2850	35.4	103	10300	ND	ND	22700	23400	4.54	V,S,P,M
10/27/1998	FMETL	3690	47.8	106	12900	2.45	1.53	20700	29100	5.03	V,S,P,M
02/02/1999	FMETL	8760	175	ND	15200	ND	1.81	3300	42400	4.07	V,S,P,M
04/13/1999	FMETL	6110	135	43.9	13100	3.79	0.584	6350	35200	3.81	V,S,P,M
09/13/1999	FMETL	4330	66.7	ND	14400	ND	ND	15100	47100	4.83	V,S,P,M
11/18/1999	FMETL	5880	33.6	21.4	9270	ND	1.71	15500	22900	4.65	V,S,P,M
03/03/2000	FMETL	11700	166	404	18200	14.9	2.15	17000	44200	4.53	V,S,P,M
05/31/2000	FMETL	6360	86.8	429	11800	8.36	1.62	18800	30900	4.30	V,S,P,M
08/21/2000	FMETL	5940	218	259	19600	3.56	ND	10700	49800	4.43	V,S,P,M
12/11/2000	FMETL	3250	92.2	86.1	13400	ND	ND	14800	29900	4.57	V,S,P,M
03/19/2001	FMETL	23600	796	80	35400	ND	ND	8.25	175000	4.37	V,S,P,M
06/05/2001	FMETL	14200	237	ND	16200	4.50	4.64	12300	39400	4.32	V,S,P,M
09/05/2001	FMETL	4130	76.8	ND	11300	ND	ND	15400	42300	4.89	V,S,P,M
10/04/2001	FMETL	27400	1180	ND	138000	3.33	9.96	50600	996000	4.29	V,S,P,M
01/14/2002	FMETL	14400	524	25.5	36400	3.42	ND	15900	169000	4.96	V,S,P,M
04/23/2002	FMETL	10000	112	79.8	13900	3.07	ND	13600	49100	4.93	V,S,P,M
08/21/2002	FMETL	1460	62.3	246	14800	ND	2.21	15300	91200	4.94	V,S,P,M
10/28/2002	FMETL	6260	304	281	15700	4.45	ND	7580	57600	4.14	V,S,P,M

FORT MONMOUTH

GW MONITORING
Bldg. M-5

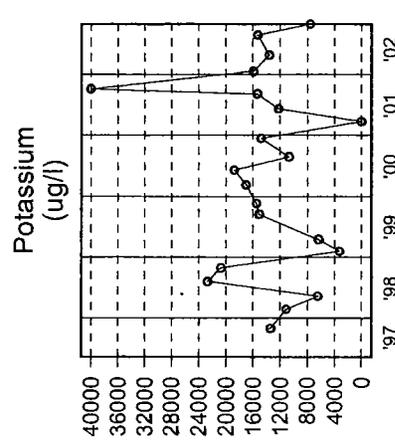
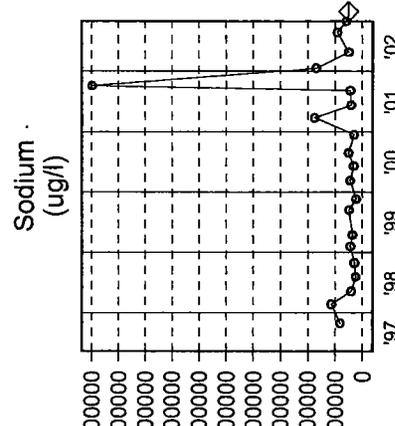
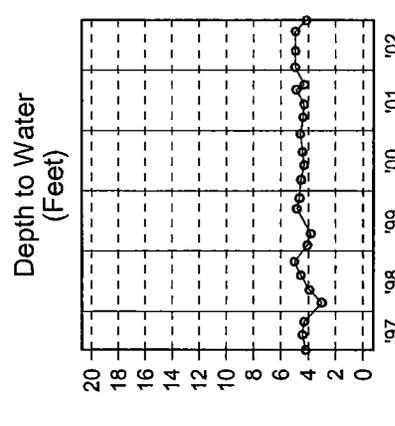
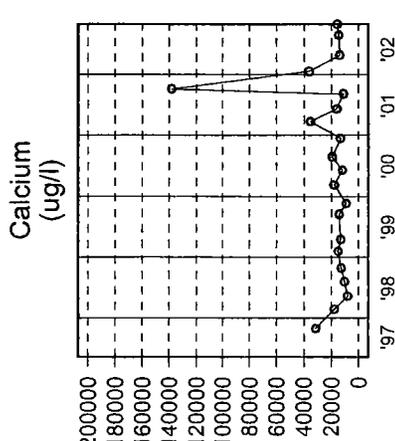
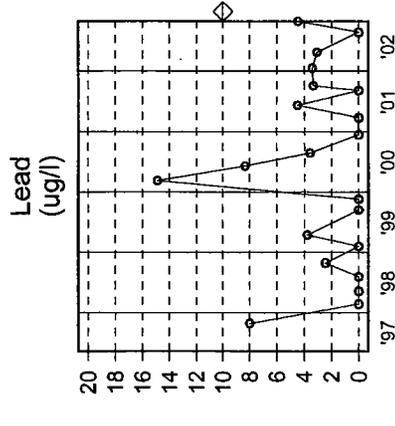
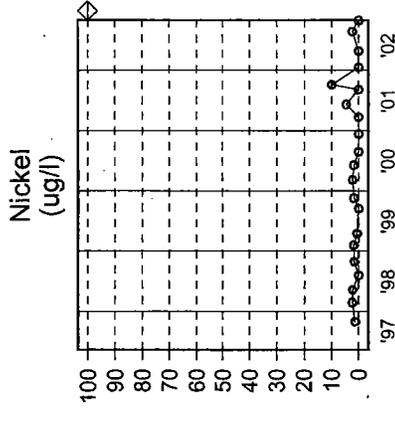
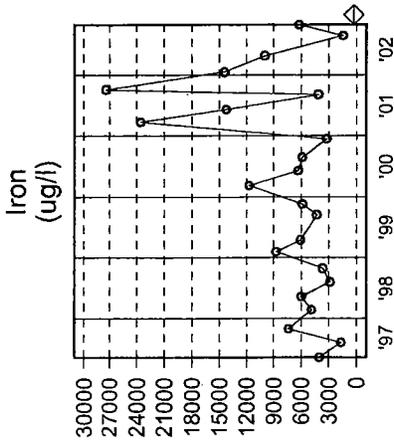
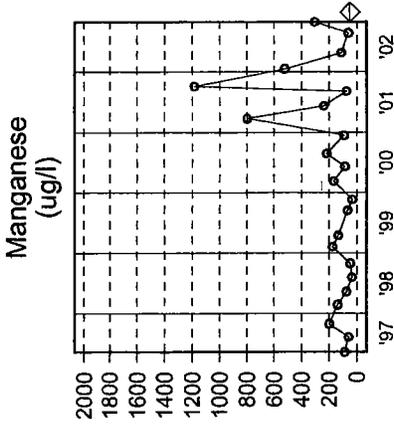
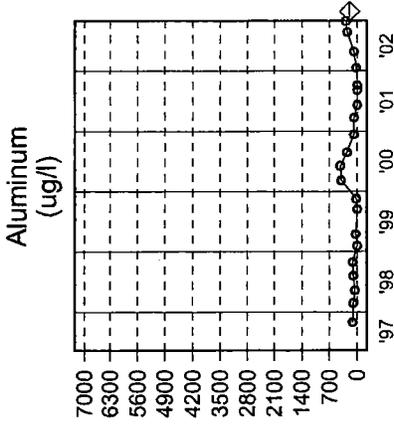
Source 3 of 14

Ag in blank > GW Criteria for 5/8/97.



SOURCE: 00M5MW10

Sampling Dates:
05/08/1997 - 10/28/2002



LEGEND:

PARAMETER

- o = Date Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 3 of 14, Graph

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Lab	2-Butan one	cis-1,2-Dichloro ethene	Tri chloro ethene	Tetra chloro ethene	Iron	Manganese	Aluminum	Calcium	Lead	Notes
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	
-	300	10	1	1	300	50	200	NLE	10	-
NJDEP Criteria:										
05/08/1997	FMETL ND	ND	ND	63	4060	85	-	-	-	V,S,P,M
08/08/1997	FMETL ND	ND	ND	58	110	66	-	-	-	V,S,P,M
10/29/1997	FMETL ND	ND	ND	65	1551	12.7	669	10060	8	V,S,P,M
02/18/1998	FMETL ND	ND	ND	39	305	32	222	10710	ND	V,S,P,M
05/06/1998	FMETL ND	ND	ND	24.39	58	6.4	ND	8788	ND	V,S,P,M
08/04/1998	FMETL 2.92	ND	ND	18.37	1500	16.9	4570	19500	2.38	V,S,P,M
10/27/1998	FMETL ND	ND	ND	52.64	184	7.74	78.8	9090	ND	V,S,P,M
02/02/1999	FMETL ND	ND	ND	5.16	1670	44.4	267	14800	ND	V,S,P,M
04/13/1999	FMETL ND	ND	ND	33.38	227	9.71	92.9	11700	ND	V,S,P,M
09/13/1999	FMETL ND	ND	ND	49.25	680	16.5	ND	14100	ND	V,S,P,M
11/18/1999	FMETL ND	ND	ND	74.12	30.5	ND	ND	ND	ND	V,S,P,M
03/03/2000	FMETL ND	ND	ND	30.62	330	9.56	189	13900	ND	V,S,P,M
05/31/2000	FMETL ND	ND	ND	13.38	657	10.1	76.2	31500	ND	V,S,P,M
08/21/2000	FMETL ND	ND	ND	18.79	438	38.8	350	25400	1.34	V,S,P,M
08/21/2000D	FMETL ND	ND	ND	19.64	583	38	414	24900	1.24	V,S,P,M
12/11/2000	FMETL 7.89	ND	ND	18.86	5580	24.4	279	23500	ND	V,S,P,M
12/11/2000D	FMETL 9.66	ND	ND	17.98	5610	25.4	260	24100	ND	V,S,P,M
03/19/2001	FMETL ND	ND	ND	11.01	35200	17.7	240	17600	ND	V,S,P,M
06/05/2001	FMETL ND	ND	ND	11.27	6590	31.9	ND	26200	ND	V,S,P,M
09/05/2001	FMETL ND	6.64	1.28	6.11	31100	93.3	ND	38600	6.36	V,S,P,M
10/04/2001	FMETL ND	ND	1.05	15.13	18500	62.7	75.2	35000	ND	V,S,P,M
01/14/2002	FMETL ND	ND	1.40	19.04	10400	174	31.1	27700	ND	V,S,P,M
04/23/2002	FMETL ND	ND	ND	14.43	7850	34.2	48.1	17800	ND	V,S,P,M
08/21/2002	FMETL 370.61	7.39	ND	8.90	18000	61.3	137	24600	ND	V,S,P,M
10/28/2002	FMETL ND	ND	ND	8.14	2240	15.8	111	17600	1.84	V,S,P,M

SOURCE: 00M5MW11

Sampling Dates:
05/08/1997 - 10/28/2002

NOTES:
Page 1 of 2

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 4 of 14

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**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

SOURCE: 00M5MW11

Sampling Dates:
05/08/1997 - 10/28/2002

NOTES:

Page 2 of 2

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 4 of 14

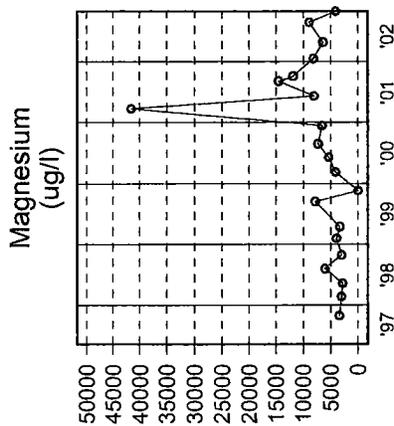
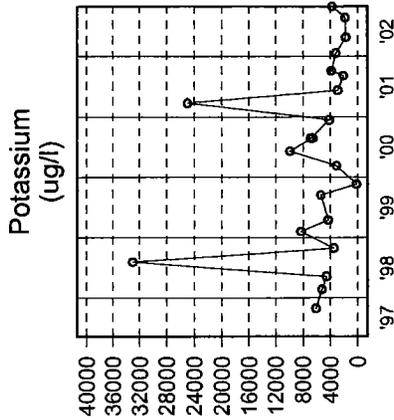
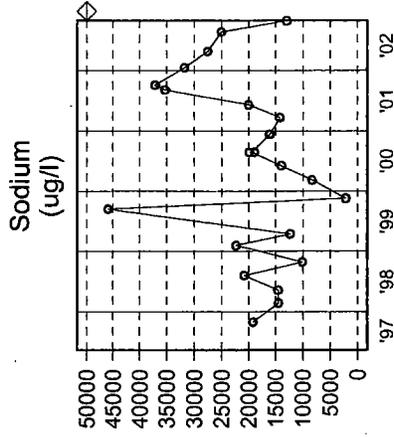
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 **U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

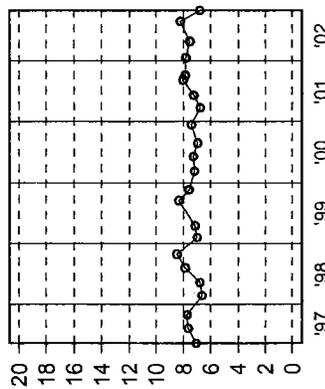
Units:	Lab	Magnesium	Potassium	Sodium	Depth to Water	Notes
NJDEP Criteria:	ug/l	ug/l	ug/l	Feet		
05/08/1997	FMETL	-	-	-	7.10	V,S,P,M
08/08/1997	FMETL	-	-	-	7.70	V,S,P,M
10/29/1997	FMETL	3380	6120	19220	7.75	V,S,P,M
02/18/1998	FMETL	2990	5260	14550	6.65	V,S,P,M
05/06/1998	FMETL	2781	4573	14570	6.80	V,S,P,M
08/04/1998	FMETL	6090	33000	20800	7.91	V,S,P,M
10/27/1998	FMETL	2960	3480	10200	8.51	V,S,P,M
02/02/1999	FMETL	3930	8340	22300	6.99	V,S,P,M
04/13/1999	FMETL	3300	4340	12400	7.16	V,S,P,M
09/13/1999	FMETL	7840	5420	45900	8.35	V,S,P,M
11/18/1999	FMETL	ND	178	2150	7.62	V,S,P,M
03/03/2000	FMETL	4080	3110	8380	7.21	V,S,P,M
05/31/2000	FMETL	5370	9970	14000	7.28	V,S,P,M
08/21/2000	FMETL	7410	6940	18900	6.97	V,S,P,M
08/21/2000D	FMETL	7330	6570	19900	6.97	V,S,P,M
12/11/2000	FMETL	6550	4170	16100	7.43	V,S,P,M
12/11/2000D	FMETL	6600	4190	16200	7.43	V,S,P,M
03/19/2001	FMETL	41600	24900	14300	6.77	V,S,P,M
06/05/2001	FMETL	8010	2920	20000	7.26	V,S,P,M
09/05/2001	FMETL	14600	2070	35300	8.05	V,S,P,M
10/04/2001	FMETL	11900	3840	37100	7.88	V,S,P,M
01/14/2002	FMETL	8130	3200	31700	7.83	V,S,P,M
04/23/2002	FMETL	6420	1710	27500	7.54	V,S,P,M
08/21/2002	FMETL	8930	1840	25000	8.25	V,S,P,M
10/28/2002	FMETL	4130	3740	13000	6.81	V,S,P,M

SOURCE: 00M5MW11

Sampling Dates:
05/08/1997 - 10/28/2002



Depth to Water
(Feet)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 4 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:		Lab	Iron	Manganese	Aluminum	Calcium	Lead	Magnesium	Potassium	Sodium	Depth to Water	Notes
NJDEP Criteria:			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	
SOURCE: 00M5MW12												
Sampling Dates:												
10/07/1998 - 10/28/2002												
NOTES:												
Well installed 9/98.												
10/07/1998	FMETL	51400	1340	3310	111000	7	168000	65300	1860000	6.86	V,S,P,M	
10/21/1998	FMETL	28400	853	359	98000	ND	145000	42100	1240000	6.62	V,S,P,M	
02/02/1999	FMETL	ND	ND	1910	28200	5.45	26300	15900	235000	6.36	V,S,P,M	
04/13/1999	FMETL	29500	263	1880	17400	7.66	20500	18300	75300	5.92	V,S,P,M	
09/13/1999	FMETL	36500	566	119	152000	ND	284000	89200	2040000	6.86	V,S,P,M	
11/18/1999	FMETL	7020	76.9	80.9	22300	ND	32800	23800	171000	7.96	V,S,P,M	
03/06/2000	FMETL	13000	109	1060	22200	6.78	31800	20000	77000	5.95	V,S,P,M	
05/31/2000	FMETL	11400	67.9	422	16500	19.3	26200	20500	71800	5.93	V,S,P,M	
08/21/2000	FMETL	9060	97	503	16600	1.83	26300	20800	72600	5.84	V,S,P,M	
12/11/2000	FMETL	6620	43.8	189	13400	4.85	22900	21100	46000	5.89	V,S,P,M	
03/19/2001	FMETL	15100	181	170	30300	ND	41100	22600	114000	5.83	V,S,P,M	
06/05/2001	FMETL	8030	50.8	ND	17300	ND	28900	21300	57000	5.73	V,S,P,M	
09/05/2001	FMETL	19900	155	732	36700	4.43	55000	30400	149000	6.29	V,S,P,M	
10/04/2001	FMETL	ND	ND	24.6	66500	1.30	78500	35000	341000	5.64	V,S,P,M	
01/14/2002	FMETL	15600	328	192	38200	16.8	52800	29400	169000	5.21	V,S,P,M	
04/23/2002	FMETL	16500	72.4	481	20700	2.64	32200	21700	64000	5.98	V,S,P,M	
08/21/2002	FMETL	13800	78.1	1140	23700	2.40	36300	26000	82500	6.41	V,S,P,M	
10/28/2002	FMETL	6090	54.6	90.9	18600	2.12	27700	20700	61100	5.60	V,S,P,M	
FORT MONMOUTH												
GW MONITORING Bldg. M-5												
Source 5 of 14												
Ag in blank > GW Criteria for 5/8/97.												
 U.S. ARMY FORT MONMOUTH SELF-M-PW-EV												

SOURCE: 00M5MW13

Sampling Dates:
10/21/1998 - 10/28/2002

NOTES:
Well installed 9/98.

FORT MONMOUTH

GW MONITORING
Bldg. M-5
Source 6 of 14

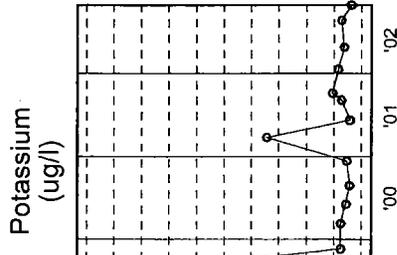
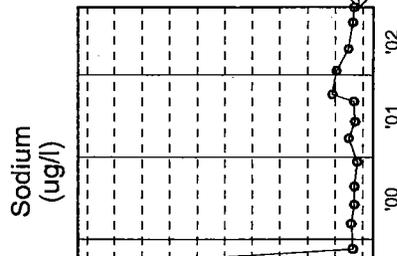
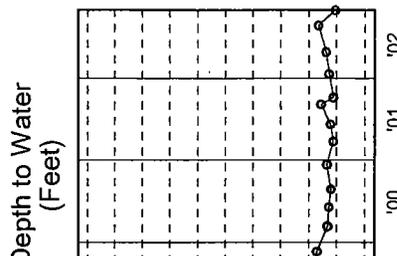
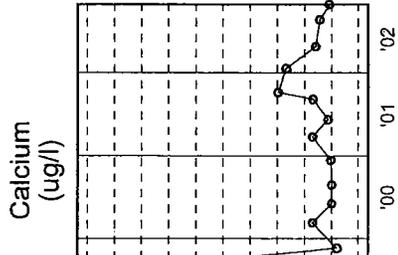
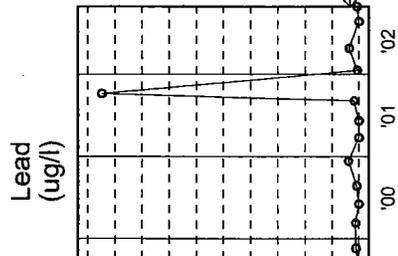
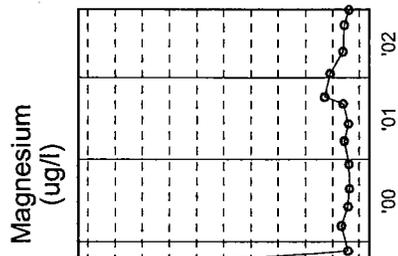
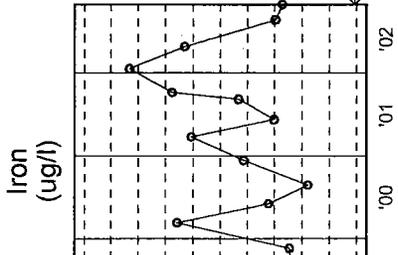
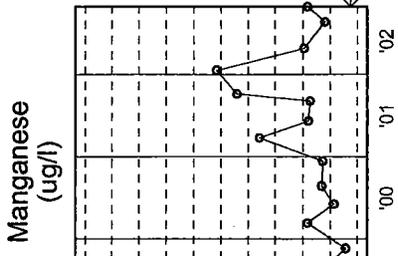
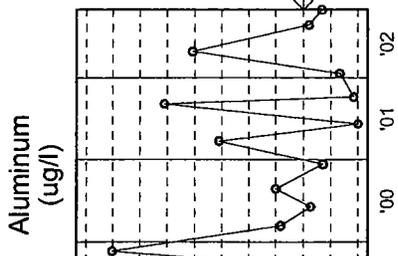
Ag in blank > GW Criteria for 5/8/97.

**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

Units:	Lab	Iron	Manganese	Aluminum	Calcium	Lead	Magnesium	Potassium	Sodium	Depth to Water	Notes
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	
NJDEP Criteria:	-	300	50	200	NLE	10	NLE	NLE	50000	-	-
10/21/1998	FMETL	11700	203	287	67000	ND	112000	46400	1030000	3.75	V,S,P,M
02/02/1999	FMETL	9810	137	244	13700	17.6	9990	5090	80100	2.67	V,S,P,M
04/13/1999	FMETL	1170	18.4	64.8	35100	2.37	17700	13100	7630	2.48	V,S,P,M
09/13/1999	FMETL	9520	203	225	130000	ND	324000	114000	2690000	3.41	V,S,P,M
11/18/1999	FMETL	9860	87.8	901	16200	3.04	17300	15100	103000	3.40	V,S,P,M
03/06/2000	FMETL	26300	366	282	34300	3.62	27100	15000	121000	2.64	V,S,P,M
05/31/2000	FMETL	12900	173	174	20100	ND	17100	11000	88700	2.54	V,S,P,M
08/21/2000	FMETL	7170	261	301	20000	2.49	15400	8380	88900	2.39	V,S,P,M
12/11/2000	FMETL	16500	255	128	20500	11.7	15700	10400	61200	2.68	V,S,P,M
03/19/2001	FMETL	24200	717	510	34400	ND	23300	68800	149000	2.23	V,S,P,M
06/05/2001	FMETL	12100	357	ND	22700	ND	16600	8050	81400	2.44	V,S,P,M
09/05/2001	FMETL	17300	348	711	33900	5.36	24800	14200	96300	3.12	V,S,P,M
10/04/2001	FMETL	27000	880	16.0	59600	284	51900	21300	331000	2.24	V,S,P,M
01/14/2002	FMETL	33300	1030	66.5	53500	1.81	44000	16700	286000	2.53	V,S,P,M
04/23/2002	FMETL	25200	391	606	32000	11.1	25000	12300	152000	2.73	V,S,P,M
08/21/2002	FMETL	11900	237	179	28900	ND	23300	14400	108000	3.32	V,S,P,M
10/28/2002	FMETL	10900	364	132	21700	2.02	15500	6960	92700	2.08	V,S,P,M

SOURCE: 00M5MW13

Sampling Dates:
10/21/1998 - 10/28/2002



LEGEND:

PARAMETER

- o = Date Sampled
- ◇ = NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 6 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW14	
Sampling Dates: 10/07/1998 - 10/28/2002	
NOTES: Well installed 9/98.	
 U.S. ARMY FORT MONMOUTH SELF-M-PW-EV	

Units:	Lab	Iron	Manganese	Aluminum	Calcium	Lead	Magnesium	Potassium	Sodium	Depth to Water	Notes
NJDEP Criteria:	-	ug/l 300	ug/l 50	ug/l 200	ug/l NLE	ug/l 10	ug/l NLE	ug/l NLE	ug/l 50000	Feet	-
10/07/1998	FMETL	ND	ND	1210	38000	ND	23900	27000	45400	3.54	V,S,P,M
10/21/1998	FMETL	911	15	120	34600	ND	19300	16200	8970	4.24	V,S,P,M
02/02/1999	FMETL	1910	20.7	172	36100	ND	17900	12900	9450	2.63	V,S,P,M
04/13/1999	FMETL	14000	191	658	16400	6.77	11600	7220	63400	2.57	V,S,P,M
09/13/1999	FMETL	571	16.4	ND	41300	ND	17600	13300	7290	4.35	V,S,P,M
11/18/1999	FMETL	639	17.9	ND	39700	ND	16400	12400	8460	3.92	V,S,P,M
03/06/2000	FMETL	6660	29.1	79.2	45200	ND	17300	10700	10300	2.75	V,S,P,M
05/31/2000	FMETL	2480	178	ND	57600	ND	14700	7850	70700	3.55	V,S,P,M
08/21/2000	FMETL	844	96.3	242	46300	12	18000	11800	11200	2.71	V,S,P,M
12/11/2000	FMETL	6920	21.5	234	44000	ND	17000	13400	8240	3.48	V,S,P,M
03/19/2001	FMETL	12400	18.4	20.0	46500	ND	18100	12000	81000	3.66	V,S,P,M
06/05/2001	FMETL	758	14.3	ND	43500	ND	16200	11000	14200	3.57	V,S,P,M
09/05/2001	FMETL	987	30.0	ND	47300	ND	18400	12500	10000	3.30	V,S,P,M
10/04/2001	FMETL	953	14.2	27.2	44800	ND	21700	12700	72000	2.91	V,S,P,M
01/14/2002	FMETL	6010	165	11.7	46700	ND	17800	13300	10500	3.97	V,S,P,M
04/23/2002	FMETL	4850	18.5	69.0	47300	ND	17300	11400	8250	3.23	V,S,P,M
08/21/2002	FMETL	874	21.5	21.2	47600	1.81	17700	12700	7910	3.29	V,S,P,M
10/28/2002	FMETL	1110	632	18.3	42700	ND	16600	10500	36000	2.29	V,S,P,M

FORT MONMOUTH

GW MONITORING
Bldg. M-5

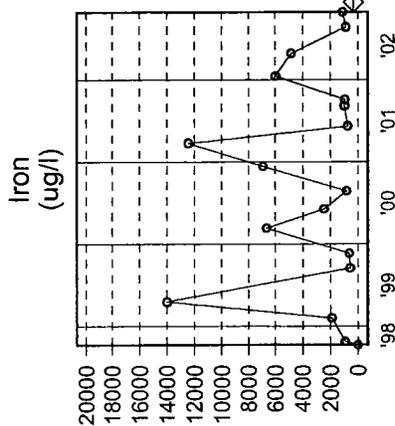
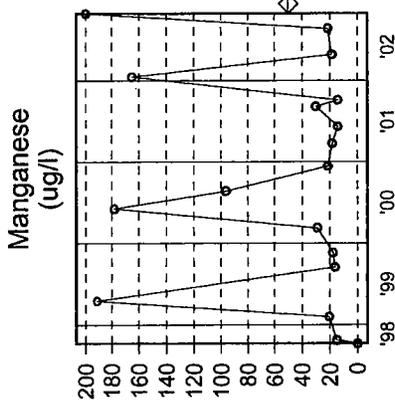
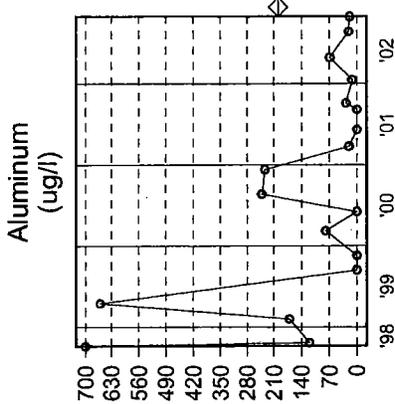
Source 7 of 14

Ag in blank > GW Criteria for 5/8/97.

SOURCE: 00M5MW14

Sampling Dates:

10/07/1998 - 10/28/2002

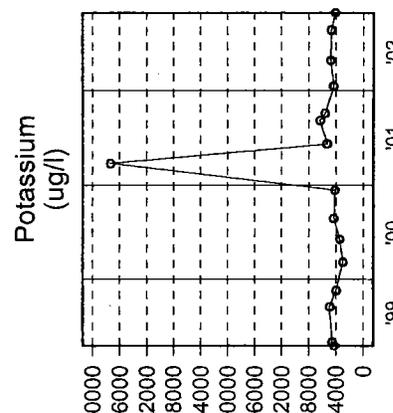
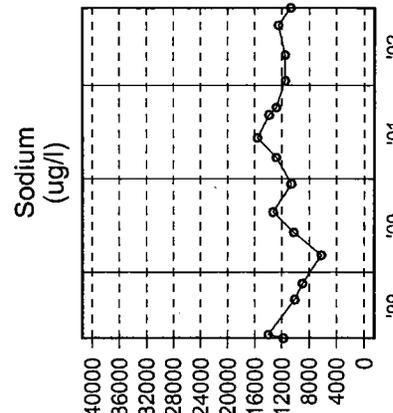
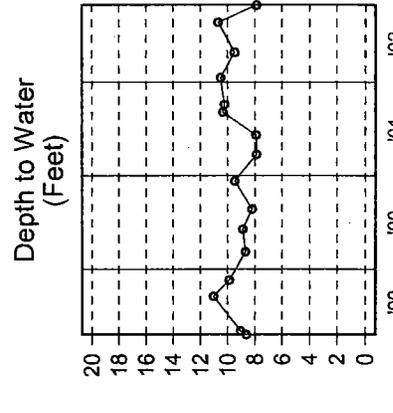
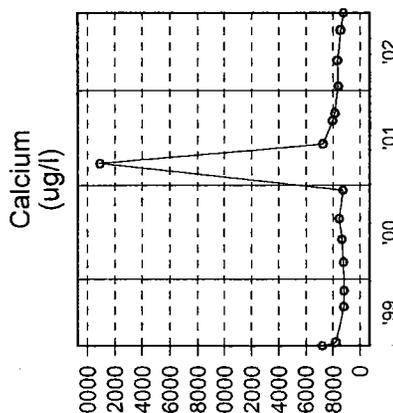
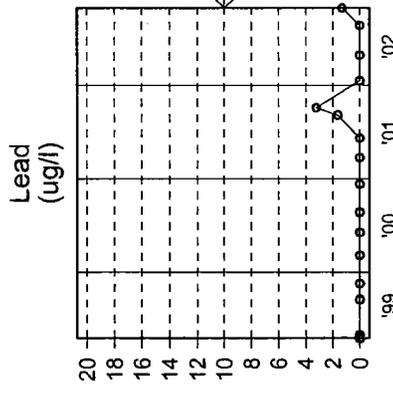
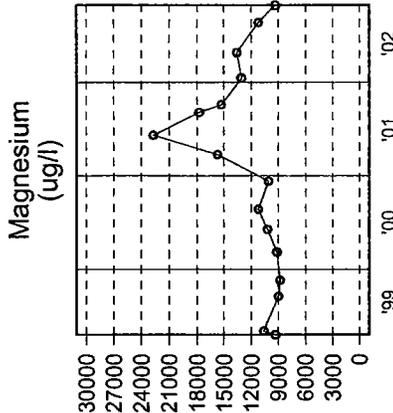
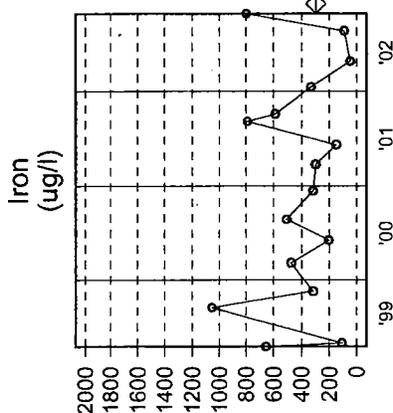
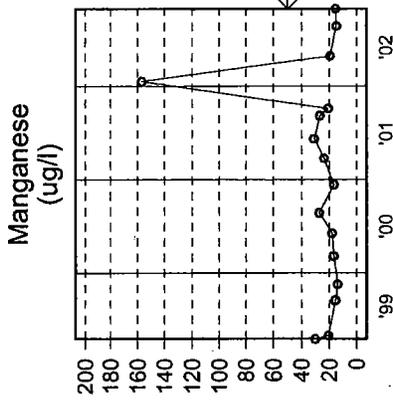
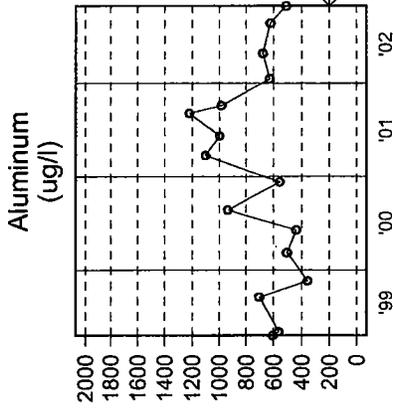


SOURCE: 00M5MW15	
Sampling Dates: 04/14/1999 - 10/28/2002	
NOTES: Installed 3/99	
FORT MONMOUTH	
GW MONITORING Bldg. M-5 Source 8 of 14	
Ag in blank > GW Criteria for 5/8/97.	
 U.S. ARMY FORT MONMOUTH SELF-M-PW-EV	

Units:	Lab	Iron	Manganese	Aluminum	Calcium	Lead	Magnesium	Potassium	Sodium	Depth to Water	Notes
NJDEP Criteria:		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	
04/14/1999	FMETL	654	30.2	606	11100	ND	9370	4240	11800	8.59	V,S,P,M
04/28/1999	FMETL	108	20.7	564	7240	ND	10600	4540	14000	9.04	V,S,P,M
09/14/1999	FMETL	1050	15.7	702	4890	ND	9050	4920	10100	11.03	V,S,P,M
11/18/1999	FMETL	316	13.9	357	4760	ND	8870	3950	8990	9.87	V,S,P,M
03/03/2000	FMETL	477	16.8	508	4970	ND	9190	2950	6200	8.68	V,S,P,M
05/31/2000	FMETL	203	18.2	441	5450	ND	10200	3410	10300	8.88	V,S,P,M
08/21/2000	FMETL	510	27.3	933	6170	ND	11200	4330	13300	8.21	V,S,P,M
12/11/2000	FMETL	319	16.7	556	5040	ND	10100	4120	10600	9.48	V,S,P,M
03/19/2001	FMETL	300	23.9	1100	76300	ND	15700	37300	12800	7.88	V,S,P,M
06/05/2001	FMETL	150	31.1	996	11000	ND	22700	5270	15600	7.93	V,S,P,M
09/05/2001	FMETL	788	27.1	1220	8180	1.64	17700	6310	13900	10.35	V,S,P,M
10/04/2001	FMETL	588	21.0	981	7560	3.22	15300	5570	12800	10.24	V,S,P,M
01/14/2002	FMETL	334	157	629	6610	ND	13100	4310	11500	10.51	V,S,P,M
04/23/2002	FMETL	48.2	19.5	676	6720	ND	13600	4740	11500	9.49	V,S,P,M
08/21/2002	FMETL	93.6	14.9	624	5850	ND	11200	4700	12500	10.70	V,S,P,M
10/28/2002	FMETL	797	15.5	511	4980	1.32	9370	4040	10700	7.87	V,S,P,M

SOURCE: 00M5MW15

Sampling Dates:
04/14/1999 - 10/28/2002



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 8 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW16

Sampling Dates: 04/14/1999 - 10/28/2002

NOTES:
Installed 3/99.
Page 1 of 2.

Units:	Lab	2-Butan one	cis-1,2-Dichloro ethene	Tri chloro ethene	Tetra chloro ethene	Iron	Manganese	Aluminum	Calcium	Lead	Notes
NJDEP Criteria:	-	ug/l 300	ug/l 10	ug/l 1	ug/l 1	ug/l 300	ug/l 50	ug/l 200	ug/l NLE	ug/l 10	-
04/14/1999	FMETL	ND	ND	ND	96.37	4770	29.2	1030	11200	ND	V,S,P,M
04/28/1999	FMETL	ND	ND	ND	8.35	11800	31.9	1240	12500	ND	V,S,P,M
09/14/1999	FMETL	ND	ND	ND	639.7	11100	32.1	3510	10800	ND	V,S,P,M
11/18/1999	FMETL	ND	ND	ND	54.42	9840	24.7	242	10800	ND	V,S,P,M
03/03/2000	FMETL	ND	ND	ND	37.76	37800	119	848	14400	ND	V,S,P,M
05/31/2000	FMETL	ND	ND	ND	27.79	10000	35.8	78.2	16500	ND	V,S,P,M
08/21/2000	FMETL	ND	ND	ND	20.36	8060	49.3	293	16900	ND	V,S,P,M
12/11/2000	FMETL	ND	ND	ND	23.20	11400	33.2	258	15400	ND	V,S,P,M
03/19/2001	FMETL	ND	ND	ND	17.88	13000	73.0	220	18800	4.0	V,S,P,M
06/05/2001	FMETL	13.45	ND	ND	24.47	14500	46.6	ND	18900	ND	V,S,P,M
09/05/2001	FMETL	ND	ND	ND	205.77	14800	83.4	175	31100	1.48	V,S,P,M
10/04/2001	FMETL	ND	ND	ND	620.81	32100	83.0	1710	33000	1.67	V,S,P,M
01/14/2002	FMETL	ND	1.93	1.93	839.5	9910	197	863	24200	ND	V,S,P,M
04/23/2002	FMETL	ND	69.44	35.84	213.53	10000	63.5	1010	20400	1.23	V,S,P,M
08/21/2002	FMETL	ND	3.38	ND	416.79	4560	112	1560	38800	ND	V,S,P,M
10/28/2002	FMETL	2.59	103.82	2.23	42.41	32300	85.6	446	25500	1.60	V,S,P,M

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 9 of 14

Ag in blank > GW Criteria for 5/8/97.



SOURCE: 00M5MW16

Sampling Dates:
04/14/1999 - 10/28/2002

NOTES:

Installed 3/99.
Page 2 of 2.

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 9 of 14

Ag in blank > GW Criteria for 5/8/97.

**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

Units:	Lab	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water	Notes
-	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	NLE	100	NLE	50000	5000	-	-
04/14/1999	FMETL	4020	6.65	6230	11700	36.5	6.96	V,S,P,M
04/28/1999	FMETL	3580	5.88	8260	15100	36.3	7.26	V,S,P,M
09/14/1999	FMETL	4990	10.8	9670	10000	46.2	8.66	V,S,P,M
11/18/1999	FMETL	3620	6.73	5500	8850	41.2	7.76	V,S,P,M
03/03/2000	FMETL	4410	24700	5500	7070	65.4	7.00	V,S,P,M
05/31/2000	FMETL	4130	8.11	6020	9380	6.87	7.06	V,S,P,M
08/21/2000	FMETL	4410	6.59	6050	11100	29	6.70	V,S,P,M
12/11/2000	FMETL	4070	1.43	6540	9500	42.5	7.40	V,S,P,M
03/19/2001	FMETL	46100	22.0	5990	10700	101	6.37	V,S,P,M
06/05/2001	FMETL	5340	10.5	6320	15900	48.6	7.02	V,S,P,M
09/05/2001	FMETL	9390	14.8	10600	30100	64.5	8.14	V,S,P,M
10/04/2001	FMETL	10500	16.1	11500	38600	161	8.04	V,S,P,M
01/14/2002	FMETL	11600	20.3	7810	47300	119	8.04	V,S,P,M
04/23/2002	FMETL	9500	15.1	6400	39900	94.5	7.52	V,S,P,M
08/21/2002	FMETL	18900	32.6	12700	78600	205	8.53	V,S,P,M
10/28/2002	FMETL	10100	15.3	5000	43300	32.8	6.84	V,S,P,M

SOURCE: 00M5MW18
 Sampling Dates: 04/13/1999 - 10/28/2002
 NOTES:

Units:	Lab	Tetra chloro ethene	Iron	Manganese	Aluminum	Calcium	Lead	Magnesium	Sodium	Depth to Water	Notes
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	
NJDEP Criteria:	-	1	300	50	200	NLE	10	NLE	50000	-	-
04/13/1999	FMETL	ND	6550	40.9	327	18700	11.8	3380	8680	7.16	V,S,P,M
04/27/1999	FMETL	ND	8140	42.1	61.1	22200	ND	3920	10200	7.68	V,S,P,M
09/14/1999	FMETL	ND	9640	65.8	541	22600	ND	5800	15100	8.86	V,S,P,M
11/18/1999	FMETL	ND	10300	34.6	27	15900	ND	2990	7320	8.02	V,S,P,M
03/03/2000	FMETL	ND	19800	48.6	131	20000	ND	3840	6360	7.40	V,S,P,M
05/31/2000	FMETL	ND	16200	50.2	28.0	21500	ND	3990	10100	7.48	V,S,P,M
08/21/2000	FMETL	ND	14900	53.7	325	23800	1.89	4390	10300	7.12	V,S,P,M
12/11/2000	FMETL	ND	357000	88.4	942	31300	ND	4560	7400	7.71	V,S,P,M
03/19/2001	FMETL	ND	26200	59.1	60.0	23700	ND	43600	11200	6.90	V,S,P,M
06/05/2001	FMETL	ND	98600	70.5	63.0	28000	3.08	4500	10600	7.39	V,S,P,M
09/05/2001	FMETL	ND	16500	69.7	38.3	24200	1.14	5260	15300	8.39	V,S,P,M
10/04/2001	FMETL	2.95	21000	60.2	111	24700	ND	4980	13300	8.30	V,S,P,M
01/14/2002	FMETL	1.34	18400	240	113	20800	ND	7120	34100	8.33	V,S,P,M
04/23/2002	FMETL	ND	82000	66.8	541	27500	1.35	4630	8880	7.75	V,S,P,M
08/21/2002	FMETL	ND	16500	49.0	162	22500	ND	4080	10000	8.68	V,S,P,M
10/28/2002	FMETL	ND	13500	53.7	27.1	22200	ND	4060	9290	6.76	V,S,P,M

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 10 of 14

Ag in blank > GW Criteria for 5/8/97.

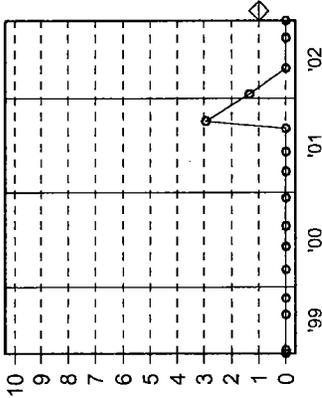


SOURCE: 00M5MW18

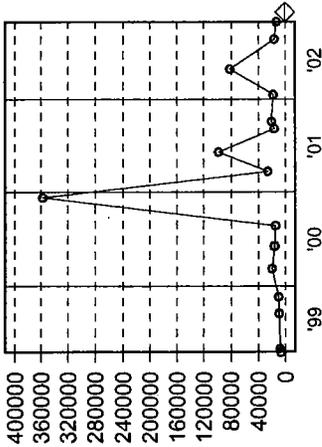
Sampling Dates:

04/13/1999 - 10/28/2002

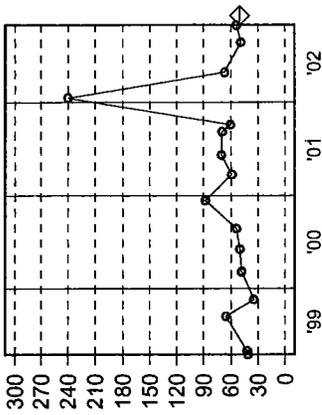
Tetrachlorethene (ug/l)



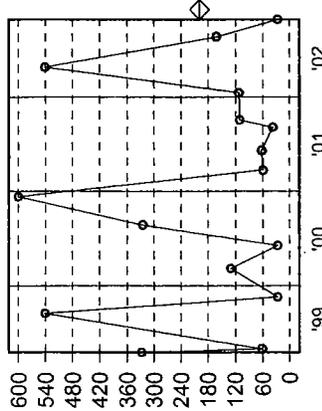
Iron (ug/l)



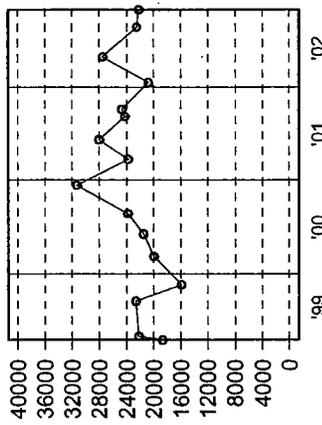
Manganese (ug/l)



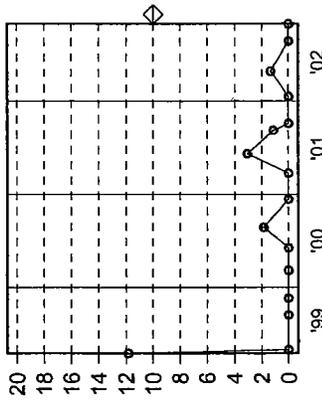
Aluminum (ug/l)



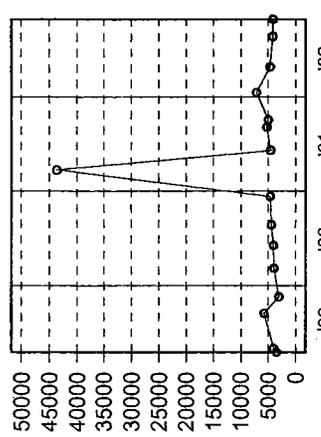
Calcium (ug/l)



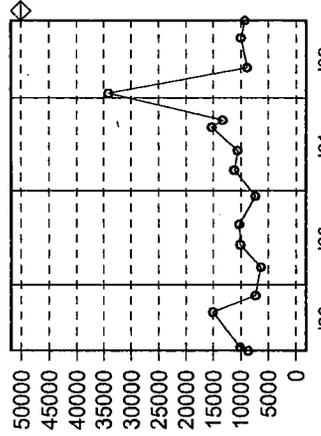
Lead (ug/l)



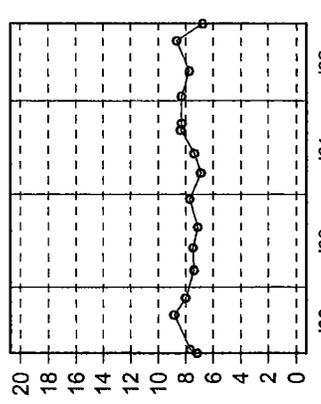
Magnesium (ug/l)



Sodium (ug/l)



Depth to Water (Feet)



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 10 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.

SOURCE: 00M5MW19
 Sampling Dates: 04/13/1999 - 10/28/2002
 NOTES:

Units:	Lab	cis-1,2-Dichloro ethene	Tri chloro ethene	Tetra chloro ethene	Iron	Manganese	Aluminum	Calcium	Lead	Depth to Water	Notes
NJDEP Criteria:		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	
04/13/1999	FMETL	ND	ND	11.53	7900	50.1	1110	18400	4.92	6.74	V,S,P,M
04/27/1999	FMETL	ND	ND	3.72	12300	49.1	1710	20000	ND	7.04	V,S,P,M
09/14/1999	FMETL	ND	ND	10.24	9230	33.8	2320	14400	ND	8.48	V,S,P,M
11/18/1999	FMETL	ND	ND	69.22	11700	39	130	15600	ND	7.63	V,S,P,M
03/06/2000	FMETL	ND	ND	5.44	15000	53.9	133	20300	ND	7.01	V,S,P,M
05/31/2000	FMETL	ND	ND	ND	12100	51.6	47.8	21200	ND	7.01	V,S,P,M
08/21/2000	FMETL	ND	ND	4.77	12400	71.7	227	22900	1.14	6.66	V,S,P,M
12/11/2000	FMETL	ND	ND	3.80	39600	56.2	271	21800	ND	7.28	V,S,P,M
03/19/2001	FMETL	ND	ND	2.43	17800	78.5	740	25000	ND	6.97	V,S,P,M
06/05/2001	FMETL	ND	ND	6.89	27300	72.3	ND	26100	ND	6.68	V,S,P,M
09/05/2001	FMETL	3.87	1.66	34.94	22100	75.3	ND	25000	2.10	8.03	V,S,P,M
10/04/2001	FMETL	1.84	ND	13.62	21700	66.3	ND	23400	ND	7.92	V,S,P,M
01/14/2002	FMETL	16.64	17.44	284.64	30100	229	185	11800	ND	8.04	V,S,P,M
04/23/2002	FMETL	5.93	2.80	18.2	28900	83.1	562	19800	ND	7.39	V,S,P,M
08/21/2002	FMETL	51.33	6.44	34.31	20800	74.3	152	13000	ND	8.33	V,S,P,M
10/28/2002	FMETL	2.28	1.00	5.10	21500	81.3	73.6	27500	1.39	6.47	V,S,P,M

FORT MONMOUTH

GW MONITORING
 Bldg. M-5

Source 11 of 14

Ag in blank > GW Criteria for 5/8/97.



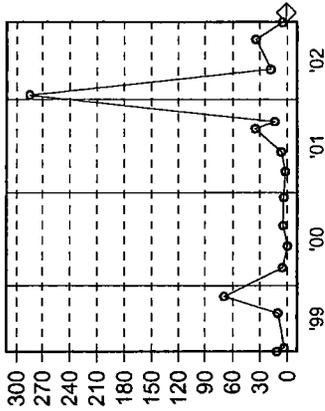
U.S. ARMY
 FORT MONMOUTH
 SELF-M-PW-EV

SOURCE: 00M5MW19

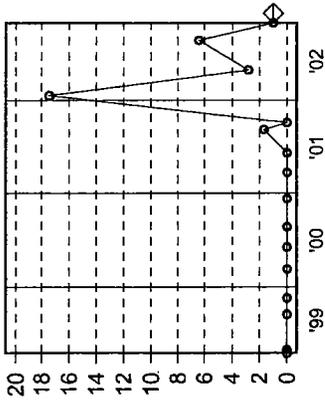
Sampling Dates:

04/13/1999 - 10/28/2002

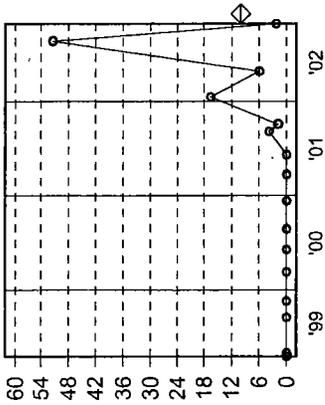
Tetrachlorethene (ug/l)



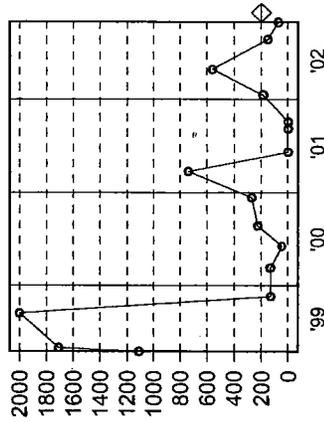
Trichloroethene (ug/l)



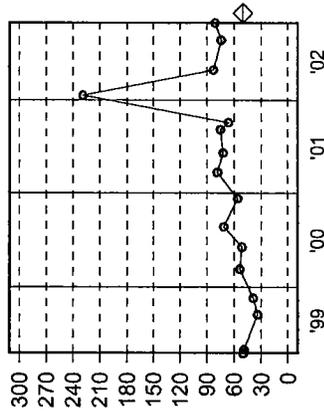
cis-1,2-Dichloroethene (ug/l)



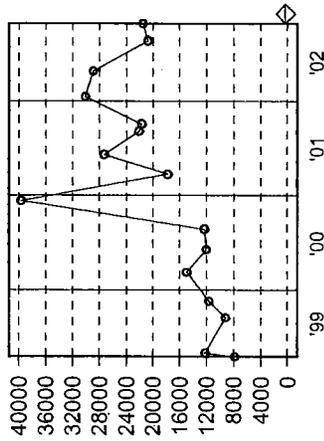
Aluminum (ug/l)



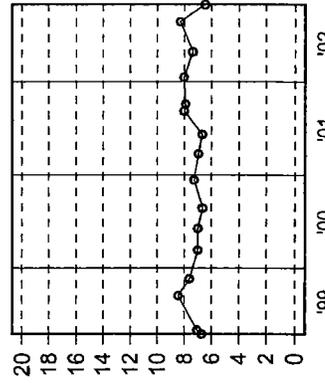
Manganese (ug/l)



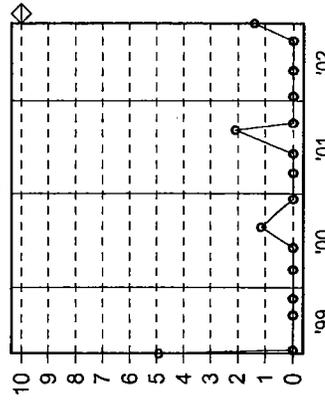
Iron (ug/l)



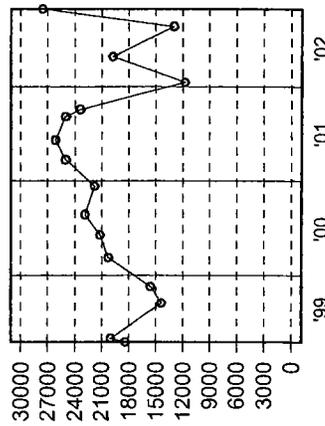
Depth to Water (Feet)



Lead (ug/l)



Calcium (ug/l)



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 11 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW20
 Sampling Dates: 04/13/1999 - 10/28/2002

NOTES:

FORT MONMOUTH

GW MONITORING
 Bldg. M-5
 Source 12 of 14

Ag in blank > GW Criteria for 5/8/97.

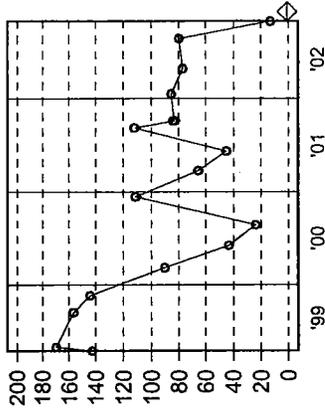
**U.S. ARMY
 FORT MONMOUTH
 SELFM-PW-EV**

Units:	Lab	cis-1,2-Dichloro ethene	Tri chloro ethene	Tetra chloro ethene	Iron	Manganese	Aluminum	Lead	Magnesium	Depth to Water	Notes
ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	
NJDEP Criteria:	-	10	1	1	300	50	200	10	NILE	-	-
04/13/1999	FMETL	ND	ND	142.59	9380	36.6	3150	9.54	6060	5.72	V,S,P,M
04/27/1999	FMETL	ND	ND	169.54	7520	29.2	2980	2.5	7270	6.08	V,S,P,M
09/13/1999	FMETL	ND	ND	156.58	376	28.0	64.6	ND	5790	7.42	V,S,P,M
11/18/1999	FMETL	ND	ND	143.93	676	21.1	143	ND	4540	6.61	V,S,P,M
03/03/2000	FMETL	ND	ND	90.03	1640	17.8	500	ND	4900	6.05	V,S,P,M
05/31/2000	FMETL	ND	ND	43.44	914	13.2	248	ND	5850	8.13	V,S,P,M
08/21/2000	FMETL	ND	ND	23.85	4060	14.9	1910	1.66	4060	5.78	V,S,P,M
12/11/2000	FMETL	ND	ND	110.95	502	11.9	96.6	ND	3400	6.33	V,S,P,M
03/19/2001	FMETL	ND	ND	65.73	900	40.3	280	ND	13200	5.68	V,S,P,M
03/19/2001D	FMETL	ND	ND	65.5	870	27.7	300	ND	13200	5.68	V,S,P,M
06/05/2001	FMETL	ND	ND	45.30	495	15.4	ND	ND	7980	7.98	V,S,P,M
09/05/2001	FMETL	1.22	1.18	111.58	1320	26.9	204	ND	4180	7.04	V,S,P,M
10/04/2001	FMETL	3.38	3.56	83.81	1640	23.9	198	ND	4740	6.77	V,S,P,M
10/04/2001D	FMETL	3.41	3.66	82.54	1450	24.2	252	1.65	4860	6.77	V,S,P,M
01/14/2002	FMETL	3.09	4.27	85.31	2020	159	452	ND	5720	6.74	V,S,P,M
04/23/2002	FMETL	ND	ND	76.89	1510	27.3	216	1.29	6510	6.36	V,S,P,M
08/21/2002	FMETL	ND	ND	79.41	5320	34.5	1580	ND	9770	7.24	V,S,P,M
10/28/2002	FMETL	ND	ND	12.99	11500	19.6	6000	4.41	4790	5.45	V,S,P,M

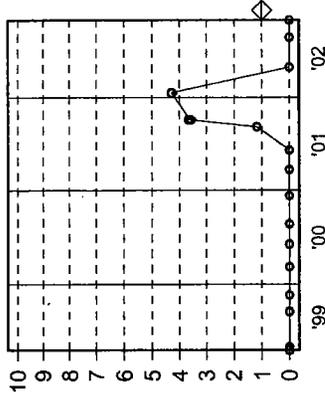
SOURCE: 00M5MW20

Sampling Dates:
04/13/1999 - 10/28/2002

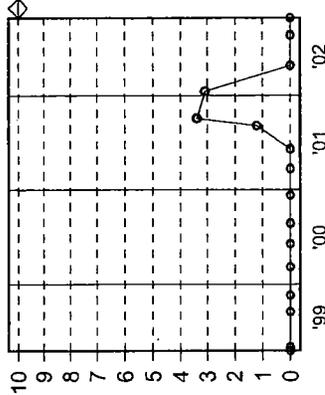
Tetrachlorethene
(ug/l)



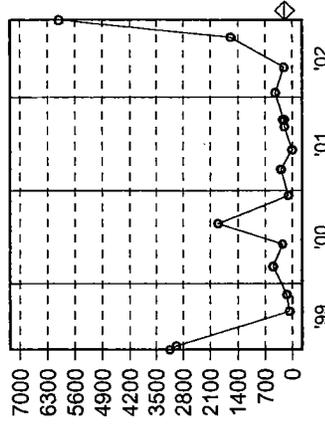
Trichloroethene
(ug/l)



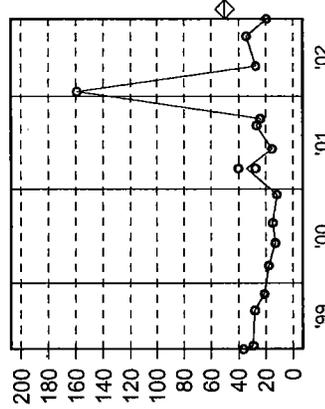
cis-1,2-Dichloroethene
(ug/l)



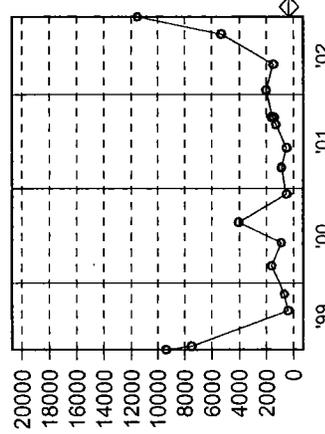
Aluminum
(ug/l)



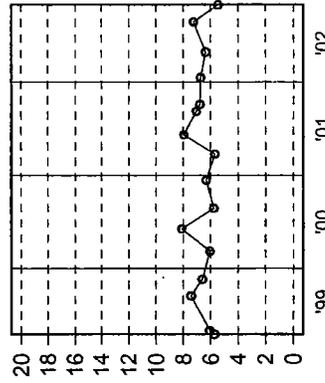
Manganese
(ug/l)



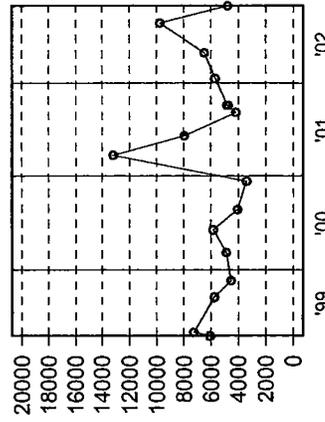
Iron
(ug/l)



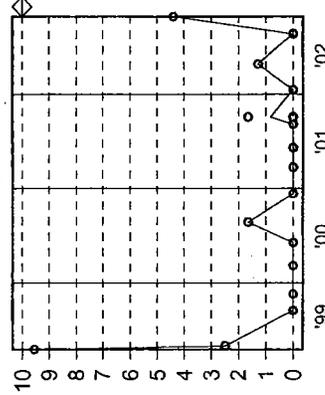
Depth to Water
(Feet)



Magnesium
(ug/l)



Lead
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING

Bldg. M-5

Source 12 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW23

Sampling Dates: 04/14/1999 - 10/28/2002

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 13 of 14

Ag in blank > GW Criteria for 5/8/97.

U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

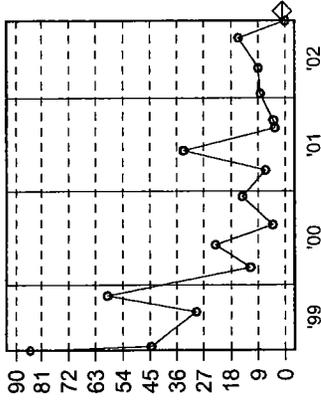
Units:	Lab	2-Butan one	cis-1,2-Dichloro ethene	Tetra chloro ethene	Iron	Manganese	Aluminum	Calcium	Lead	Depth to Water	Notes
NJDEP Criteria:		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	
04/14/1999	FMETL	ND	ND	84.93	848	9.64	148	11700	ND	8.19	V,S,P,M
04/28/1999	FMETL	ND	ND	44.43	1590	19.8	195	24400	ND	8.46	V,S,P,M
09/13/1999	FMETL	ND	ND	29.53	10700	10.4	1410	7180	ND	9.56	V,S,P,M
11/18/1999	FMETL	ND	ND	59.02	1290	10.4	157	10400	ND	8.88	V,S,P,M
03/03/2000	FMETL	ND	ND	11.53	13600	23.1	248	25400	ND	8.38	V,S,P,M
05/31/2000	FMETL	ND	ND	23.13	25100	23.6	ND	18100	ND	7.70	V,S,P,M
08/21/2000	FMETL	ND	ND	4.22	20300	30.9	332	9460	ND	7.93	V,S,P,M
12/11/2000	FMETL	4.92	ND	14.27	19200	27.1	108	10900	ND	8.61	V,S,P,M
03/19/2001	FMETL	ND	ND	6.39	31400	26.6	810	10400	ND	7.85	V,S,P,M
06/05/2001	FMETL	ND	ND	33.84	3280	31.1	ND	20300	ND	8.33	V,S,P,M
06/05/2001D	FMETL	ND	ND	33.54	3650	31.6	ND	20400	1.30	8.33	V,S,P,M
09/05/2001	FMETL	ND	1.48	3.41	21600	21.1	1300	5570	2.41	9.15	V,S,P,M
10/04/2001	FMETL	ND	1.77	3.85	13000	16.5	1270	5440	2.00	8.90	V,S,P,M
01/14/2002	FMETL	ND	1.77	8.26	36400	185	1340	7310	4.02	9.03	V,S,P,M
04/23/2002	FMETL	ND	3.31	8.97	67900	42.8	5120	9280	4.22	8.53	V,S,P,M
08/21/2002	FMETL	14.45	ND	15.68	15400	37.6	426	11600	ND	9.33	V,S,P,M
10/28/2002	FMETL	ND	ND	ND	14000	24.3	100	8910	1.29	7.72	V,S,P,M

SOURCE: 00M5MW23

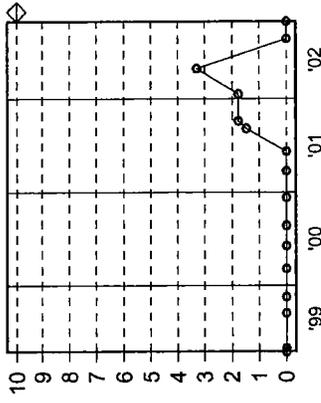
Sampling Dates:

04/14/1999 - 10/26/2002

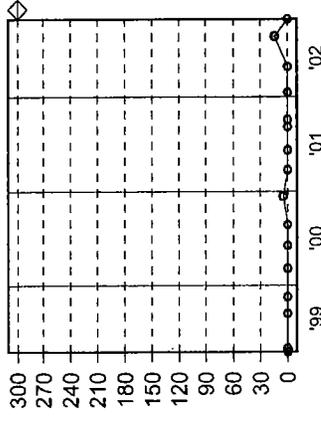
Tetrachlorethene (ug/l)



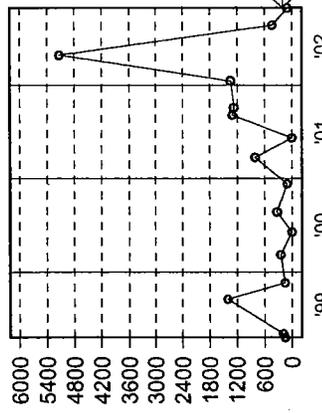
cis-1,2-Dichloroethene (ug/l)



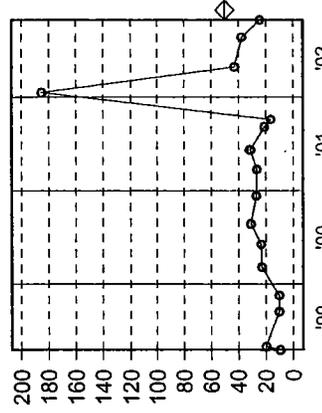
2-Butanone (ug/l)



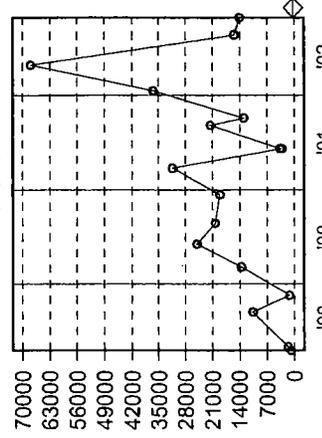
Aluminum (ug/l)



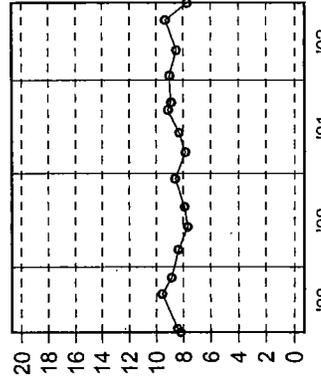
Manganese (ug/l)



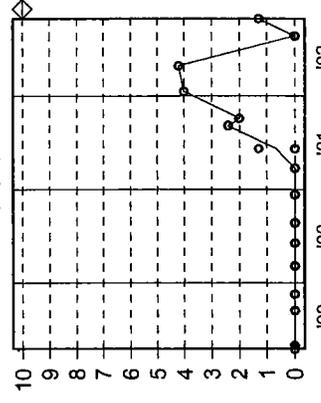
Iron (ug/l)



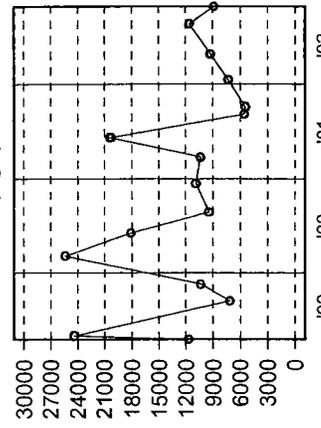
Depth to Water (Feet)



Lead (ug/l)



Calcium (ug/l)



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING

Bldg. M-5

Source 13 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	Iron	Manganese	Aluminum	Calcium	Lead	Magnesium	Potassium	Sodium	Depth to Water	Notes
	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	50	200	NLE	10	NLE	NLE	50000	-	-
04/14/1999	FMETL	18000	41.9	5640	12100	4.75	6120	9700	18900	11.32	V,S,P,M
04/28/1999	FMETL	12300	48.3	4630	15500	6.35	4960	8700	25200	11.59	V,S,P,M
09/14/1999	FMETL	8930	43.9	151	17700	ND	3440	8110	8680	13.21	V,S,P,M
11/18/1999	FMETL	15400	35.1	3560	14100	ND	7040	9990	25700	12.26	V,S,P,M
03/03/2000	FMETL	783	25.3	220	11000	ND	4100	2740	22900	11.39	V,S,P,M
05/31/2000	FMETL	191	13.8	ND	8680	ND	3460	2120	49100	11.61	V,S,P,M
05/31/2000D	FMETL	712	15.3	98.7	9230	ND	3460	2220	36500	11.61	V,S,P,M
08/21/2000	FMETL	453	46.7	250	13200	1.91	4620	2990	42900	11.05	V,S,P,M
12/11/2000	FMETL	877	18.7	209	9160	ND	4130	2950	42000	12.00	V,S,P,M
03/19/2001	FMETL	10900	43.1	140	38800	ND	10400	30500	153000	10.98	V,S,P,M
06/05/2001	FMETL	295	27.7	ND	20900	ND	10400	3000	76100	11.84	V,S,P,M
09/05/2001	FMETL	21600	21.1	1300	5570	2.41	1900	2180	29100	12.72	V,S,P,M
09/05/2001D	FMETL	476	63.9	ND	28700	ND	13700	5680	71400	12.72	V,S,P,M
10/04/2001	FMETL	26500	56.4	6880	20300	6.17	13200	13200	56900	11.77	V,S,P,M
01/14/2002	FMETL	1570	182	388	18400	11.0	8590	5490	48300	12.97	V,S,P,M
04/29/2002	FMETL	101	27.8	70.2	16300	1.59	7320	1930	80400	11.90	V,S,P,M
08/21/2002	FMETL	836	40.6	262	17500	ND	8210	4250	64100	12.86	V,S,P,M
10/28/2002	FMETL	6510	101	129	13000	ND	4370	2890	49300	10.93	V,S,P,M

SOURCE: 00M5MW25

Sampling Dates:
04/14/1999 - 10/28/2002

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 14 of 14

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

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

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING



ANALYTICAL DATA REPORT FOR

Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: M-5

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
3003204	00M5MW10	29-32574	01/22/03
3003205	00M5MW11	29-32575	01/22/03
3003206	00M5MW12	29-39179	01/22/03
3003207	00M5MW13	29-39178	01/22/03
3003208	00M5MW14	29-39177	01/22/03
3003209	00M5MW15	29-40120	01/22/03
3003210	00M5MW16	29-40121	01/22/03
3003211	00M5MW18	29-40123	01/22/03
3003212	00M5MW19	29-40124	01/22/03
3003213	00M5MW20	29-40122	01/22/03
3003214	00M5MW23	29-40125	01/22/03
3003215	00M5MW25	29-40126	01/22/03

NJDEP Laboratory Certification # 13461


3-18-03
Daniel Wright/Date
Laboratory Director

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST METALS	Standard Methods, 18th ed.
Aluminum	3120B
Antimony	3120B
Arsenic	3120B
Barium	3120B
Beryllium	3120B
Cadmium	3120B
Calcium	3120B
Chromium	3120B
Cobalt	3120B
Copper	3120B
Iron	3120B
Lead	3120B
Magnesium	3120B
Manganese	3120B
Mercury	3112B
Nickel	3120B
Potassium	3120B
Selenium	3120B
Silver	3120B
Sodium	3120B
Thallium	3120B
Vanadium	3120B
Zinc	3120B

PARAMETER	REFERENCE
TARGET COMPOUND LIST ORGANICS	Federal Register 40 CFR Part 136 Appendix A
Base/Neutral and Acid Extractables by GC/MS	625
Purgeable Organics by GC/MS	624
Pesticide and PCB by GC	608

Fort Monmouth Environmental Testing Laboratory

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

Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: J. J. J. J.		Project No:		Analysis Parameters		Comments:		
Phone #: 201-201-2012	Location: MS Wells	Location: 1st Qtr, '03	Sample #	TAL MHS	Post PCB		BNA TSS	
Sampers Name / Company: Corey McCormack, TUS		Date	Time	VOIIS			Remarks / Preservation Method	
LIMS Work Order #	Sample Location							
30032	01 Trip	1/22/03	0750	AQ	✓		Hu Lead	
	02 Field Blank		0904		✓			
	03 Dupe				✓			
	04 MS MW 10		1357		✓		29-32574	
	05 MS MW 11		1323		✓		29-32575	
	06 MS MW 12		1431		✓		29-32576	
	07 MS MW 13		1446		✓		29-39178	
	08 MS MW 14		1533		✓		29-39177	
	09 MS MW 15		1019		✓		29-40120	
	10 MS MW 16		1028		✓		29-40121	
	11 MS MW 18 *		1043		✓		29-40123	
	12 MS MW 19		1052		✓		29-40124	
	13 MS MW 20		1038		✓		29-40122	
	14 MS MW 23		1336		✓		29-40125	
Reinquired by (signature): Corey McCormack		Date/Time: 1/22/03 1000	Received by (signature): J. J. J. J.		Reinquired by (signature):		Date/Time:	Received by (signature):
Reinquired by (signature):		Date/Time:	Received by (signature):		Reinquired by (signature):		Date/Time:	Received by (signature):
Report Type: <input checked="" type="checkbox"/> Full, <input type="checkbox"/> Reduced, <input checked="" type="checkbox"/> Standard, <input type="checkbox"/> Screen / non-certified, <input type="checkbox"/> JEDD		Turnaround time: <input checked="" type="checkbox"/> Standard 3 wks, <input type="checkbox"/> Rush Days, <input type="checkbox"/> ASAP Verbal Hrs.		Remarks: Tide: L → H				

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW10
NJDEP ID #: 29-32574
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/03
WEATHER: Sunny and cold.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 4.43 ft
DEPTH OF WELL: 17.25 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.82 ft
(12.82) X .65 X 3 =24.99
GALLONS OF H₂O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:08
pH 6.08 su
DISSOLVED O₂ 5.11 mg/L
TEMP 9.99 °C
SPECIFIC CONDUCTIVITY 549.5 ms/cm

PURGE END TIME: 13:56
pH 6.05 su
DISSOLVED O₂ 1.01 mg/L
TEMP 10.02 °C
SPECIFIC CONDUCTIVITY 548.7 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 4.81 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 13:57
pH 6.04 su
DISSOLVED O₂ 1.00 mg/L
TEMP 10.05 °C
SPECIFIC CONDUCTIVITY 548.4 ms/cm

SAMPLE END TIME: 14:00

COMMENTS: Low draw down, slightly cloudy.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW11
NJDEP ID #: 29-32575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/03
WEATHER: Sunny and cold.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.00 ft
DEPTH OF WELL: 16.80 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.80 ft
(9.80) X .65 X 3 =19.11
GALLONS OF H₂O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:00
pH 5.40 su
DISSOLVED O₂ 3.33 mg/L
TEMP 7.80 °C
SPECIFIC CONDUCTIVITY 240.3 ms/cm

PURGE END TIME: 13:22
pH 5.41 su
DISSOLVED O₂ 1.33 mg/L
TEMP 7.71 °C
SPECIFIC CONDUCTIVITY 240.9 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 7.60 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 13:23
pH 5.40 su
DISSOLVED O₂ 1.25 mg/L
TEMP 7.70 °C
SPECIFIC CONDUCTIVITY 241.0 ms/cm

SAMPLE END TIME: 13:27

COMMENTS: Slightly cloudy end of bail.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW12
NJDEP ID #: 29-39179
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/03
WEATHER: Sunny and cold.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 5.95 ft
DEPTH OF WELL: 16.10 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.15 ft
(10.15) X .163 X 3 = 4.96
GALLONS OF H₂O TO BE PURGED: 5 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 14:08
pH 6.34 su
DISSOLVED O₂ 4.76 mg/L
TEMP 10.52 °C
SPECIFIC CONDUCTIVITY 884.2 ms/cm

PURGE END TIME: 14:30
pH 6.32 su
DISSOLVED O₂ 1.91 mg/L
TEMP 10.49 °C
SPECIFIC CONDUCTIVITY 880.8 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 8.65 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 5 gal

SAMPLE START TIME: 14:31
pH 6.31 su
DISSOLVED O₂ 1.90 mg/L
TEMP 10.61 °C
SPECIFIC CONDUCTIVITY 879.5 ms/cm

SAMPLE END TIME: 14:35

COMMENTS: Cloudy while bailing.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW13
NJDEP ID #: 29-39178
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/03
WEATHER: Sunny and cold.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 2.37 ft
DEPTH OF WELL: 18.82 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 16.45 ft
(16.45) X .163 X 3 =8.04
GALLONS OF H₂O TO BE PURGED: 8 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 14:10

pH 5.89 su

DISSOLVED O₂ 4.53 mg/L

TEMP 9.13 °C

SPECIFIC CONDUCTIVITY 760.7 ms/cm

PURGE END TIME: 14:45

pH 5.88 su

DISSOLVED O₂ 1.00 mg/L

TEMP 9.21 °C

SPECIFIC CONDUCTIVITY 759.3 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 2.76 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 8 gal

SAMPLE START TIME: 14:46

pH 5.87 su

DISSOLVED O₂ 1.00 mg/L

TEMP 9.22 °C

SPECIFIC CONDUCTIVITY 759.0 ms/cm

SAMPLE END TIME: 14:49

COMMENTS: Low draw down, cloudy while bailing.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW14
NJDEP ID #: 29-39177
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/03
WEATHER: Sunny and cold.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 3.42 ft
DEPTH OF WELL: 20.15 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 16.73 ft
(16.73) X .163 X 3 = 8.18
GALLONS OF H₂O TO BE PURGED: 8 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 14:57
pH 6.45 su
DISSOLVED O₂ 4.76 mg/L
TEMP 13.71 °C
SPECIFIC CONDUCTIVITY 592.2 ms/cm

PURGE END TIME: 15:32
pH 6.46 su
DISSOLVED O₂ 2.11 mg/L
TEMP 13.74 °C
SPECIFIC CONDUCTIVITY 592.3 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 4.16 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 8 gal

SAMPLE START TIME: 15:33
pH 6.46 su
DISSOLVED O₂ 2.07 mg/L
TEMP 13.67 °C
SPECIFIC CONDUCTIVITY 592.6 ms/cm

SAMPLE END TIME: 13:59

COMMENTS: Cloudy w/white strands.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW15
NJDEP ID #: 29-40120
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/03
WEATHER: Sunny and cold.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.91 ft
DEPTH OF WELL: 19.71 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.80 ft
(11.80) X .65 X 3 =23.01
GALLONS OF H₂O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:38
pH 4.99 su
DISSOLVED O₂ 4.13 mg/L
TEMP 10.22 °C
SPECIFIC CONDUCTIVITY 312.8 ms/cm

PURGE END TIME: 10:18
pH 5.97 su
DISSOLVED O₂ 0.94 mg/L
TEMP 10.18 °C
SPECIFIC CONDUCTIVITY 313.4 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 8.06 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 10:19
pH 5.96 su
DISSOLVED O₂ 1.00 mg/L
TEMP 10.15 °C
SPECIFIC CONDUCTIVITY 313.7 ms/cm

SAMPLE END TIME: 10:24

COMMENTS:

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW16
NJDEP ID #: 29-40121
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/03
WEATHER: Sunny and cold.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.45 ft
DEPTH OF WELL: 17.93 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.48 ft
(11.48) X .65 X 3 = 22.38
GALLONS OF H₂O TO BE PURGED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hmu READING: 0.0 ppm

PURGE START TIME: 08:43
pH 5.38 su
DISSOLVED O₂ 5.40 mg/L
TEMP 9.14 °C
SPECIFIC CONDUCTIVITY 411.1 ms/cm

PURGE END TIME: 10:18
pH 5.40 su
DISSOLVED O₂ 0.10 mg/L
TEMP 9.13 °C
SPECIFIC CONDUCTIVITY 411.0 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 7.23 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 10:28
pH 5.39 su
DISSOLVED O₂ 0.09 mg/L
TEMP 9.13 °C
SPECIFIC CONDUCTIVITY 411.7 ms/cm

SAMPLE END TIME: 10:34

COMMENTS: Very strong odor w/white strands.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW18
NJDEP ID #: 29-40123
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/03
WEATHER: Sunny and cold.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.99 ft
DEPTH OF WELL: 20.17 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.18 ft
(13.18) X .65 X 3 =25.70
GALLONS OF H2O TO BE PURGED: 26 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:49
pH 5.88 su
DISSOLVED O₂ 3.11 mg/L
TEMP 12.91 °C
SPECIFIC CONDUCTIVITY 404.8 ms/cm

PURGE END TIME: 10:42
pH 5.64 su
DISSOLVED O₂ 2.01 mg/L
TEMP 12.78 °C
SPECIFIC CONDUCTIVITY 404.9 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.15 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 26 gal

SAMPLE START TIME: 10:43
pH 5.62 su
DISSOLVED O₂ 1.97 mg/L
TEMP 12.77 °C
SPECIFIC CONDUCTIVITY 404.9 ms/cm

SAMPLE END TIME: 10:49

COMMENTS: Cloudy and yellow.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW19
NJDEP ID #: 29-40124
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/03
WEATHER: Sunny and cold.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.58 ft
DEPTH OF WELL: 19.98 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.40 ft
(13.40) X .65 X 3 =26.13
GALLONS OF H₂O TO BE PURGED: 26 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:54
pH 5.87 su
DISSOLVED O₂ 5.21 mg/L
TEMP 8.76 °C
SPECIFIC CONDUCTIVITY 366.2 ms/cm

PURGE END TIME: 10:47
pH 5.80 su
DISSOLVED O₂ 1.79 mg/L
TEMP 8.76 °C
SPECIFIC CONDUCTIVITY 365.0 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 7.65 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 26 gal

SAMPLE START TIME: 10:52
pH 5.81 su
DISSOLVED O₂ 1.77 mg/L
TEMP 8.76 °C
SPECIFIC CONDUCTIVITY 365.2 ms/cm

SAMPLE END TIME: 10:57

COMMENTS: DUP. here. Strong odor.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW20
NJDEP ID #: 29-40122
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/03
WEATHER: Sunny and cold.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.73 ft
DEPTH OF WELL: 16.07 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.34 ft
(10.34) X .65 X 3 = 20.16
GALLONS OF H₂O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:59
pH 5.30 su
DISSOLVED O₂ 5.00 mg/L
TEMP 7.11 °C
SPECIFIC CONDUCTIVITY 567.2 ms/cm

PURGE END TIME: 10:26
pH 5.25 su
DISSOLVED O₂ 1.00 mg/L
TEMP 7.24 °C
SPECIFIC CONDUCTIVITY 566.7 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 6.93 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 10:38
pH 5.26 su
DISSOLVED O₂ 1.00 mg/L
TEMP 7.26 °C
SPECIFIC CONDUCTIVITY 566.9 ms/cm

SAMPLE END TIME: 10:41

COMMENTS:

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW23
NJDEP ID #: 29-40125
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/03
WEATHER: Sunny and cold.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.75 ft
DEPTH OF WELL: 19.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.00 ft
(12.00) X .65 X 3 =23.40
GALLONS OF H₂O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:55
pH 5.74 su
DISSOLVED O₂ 5.00 mg/L
TEMP 7.80 °C
SPECIFIC CONDUCTIVITY 1001.2 ms/cm

PURGE END TIME: 13:35
pH 5.72 su
DISSOLVED O₂ 1.11 mg/L
TEMP 7.80 °C
SPECIFIC CONDUCTIVITY 999.1 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 7.93 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 13:36
pH 5.72 su
DISSOLVED O₂ 1.08 mg/L
TEMP 7.85 °C
SPECIFIC CONDUCTIVITY 1001.1 ms/cm

SAMPLE END TIME: 13:39

COMMENTS: Low draw down, very cloudy/orange.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW25
NJDEP ID #: 29-40126
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/03
WEATHER: Sunny and cold.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 10.75 ft
DEPTH OF WELL: 19.94 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.19 ft
(9.19) X .65 X 3 =17.92
GALLONS OF H₂O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:31
pH 4.77 su
DISSOLVED O₂ 4.71 mg/L
TEMP 9.72 °C
SPECIFIC CONDUCTIVITY 482.7 ms/cm

PURGE END TIME: 09:49
pH 4.78 su
DISSOLVED O₂ 0.67 mg/L
TEMP 9.77 °C
SPECIFIC CONDUCTIVITY 482.5 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 11.86 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 09:50
pH 4.76 su
DISSOLVED O₂ 0.77 mg/L
TEMP 9.76 °C
SPECIFIC CONDUCTIVITY 482.6 ms/cm

SAMPLE END TIME: 09:55

COMMENTS: Slightly orange/w particles.

**US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461**

Definition of Qualifiers

MDL : Method Detection Limit
J : Compound identified below detection limit
B : Compound found in blank
D : Results are from a dilution of the sample
U : Compound searched for but not detected
E : Compound exceeds calibration limit
PQL : Practical Quantitation Limit
NLE : No limit established
RT : Retention time

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

Data File **VB012751.D**
 Operator **Skelton**
 Date Acquired **3 Feb 2003 11:36 am**

Sample Name **MB 03Feb03**
 Field ID **MB 03Feb03**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated value.

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

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
 R.L. = Reporting Limit

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

MB 03Feb03

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30032 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: MB 03Feb03
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012751.D
Level: (low/med) LOW Date Received: 1/22/03
% Moisture: not dec. _____ Date Analyzed: 2/3/03
GC Column: RTX502. 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB012784.D**
 Operator **Skelton**
 Date Acquired **4 Feb 2003 1:35 pm**

Sample Name **MB 04Feb2003**
 Field ID **MB 04Feb2003**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated value

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6.2-Sept-9

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
 R.L. = Reporting Limit

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

MB 04Feb2003

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30032 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: MB 04Feb2003
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012784.D
Level: (low/med) LOW Date Received: 1/22/03
% Moisture: not dec. _____ Date Analyzed: 2/4/03
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB012752.D**
 Operator **Skelton**
 Date Acquired **3 Feb 2003 12:18 pm**

Sample Name **3003201**
 Field ID **Trip Blank**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	17.05	282083	2.28 ug/L	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated value.

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

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
 R.L. = Reporting Limit

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: LTM
 NJDEP#: 13461 Case No.: 30032 Location: M5 SDG No.: Wells
 Matrix: (soil/water) WATER Lab Sample ID: 3003201
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012752.D
 Level: (low/med) LOW Date Received: 1/22/03
 % Moisture: not dec. _____ Date Analyzed: 2/3/03
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB012753.D**
 Operator **Skelton**
 Date Acquired **3 Feb 2003 1:00 pm**

Sample Name **3003202**
 Field ID **Field Blank**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	17.05	288302	2.40 ug/L	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated value

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

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
 R.L. = Reporting Limit

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30032 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 3003202
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012753.D
Level: (low/med) LOW Date Received: 1/22/03
% Moisture: not dec. _____ Date Analyzed: 2/3/03
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB012754.D**
 Operator **Skelton**
 Date Acquired **3 Feb 2003 1:43 pm**

Sample Name **3003203**
 Field ID **Dupe**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone	16.16	32549	1.59 ug/L	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.84	103305	1.35 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated value.

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Dupe

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30032 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 3003203
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012754.D
Level: (low/med) LOW Date Received: 1/22/03
% Moisture: not dec. _____ Date Analyzed: 2/3/03
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB012755.D**
 Operator **Skelton**
 Date Acquired **3 Feb 2003 2:25 pm**

Sample Name **3003204**
 Field ID **M5MW10**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated value

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW10

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30032 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 3003204
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012755.D
Level: (low/med) LOW Date Received: 1/22/03
% Moisture: not dec. _____ Date Analyzed: 2/3/03
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB012756.D**
 Operator **Skelton**
 Date Acquired **3 Feb 2003 3:07 pm**

Sample Name **3003205**
 Field ID **M5MW11**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene	20.24	73713	1.06 ug/L	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.84	385889	5.20 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated value.

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

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
 R.L. = Reporting Limit

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW11

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30032 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 3003205
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012756.D
Level: (low/med) LOW Date Received: 1/22/03
% Moisture: not dec. _____ Date Analyzed: 2/3/03
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB012757.D**
 Operator **Skelton**
 Date Acquired **3 Feb 2003 3:49 pm**

Sample Name **3003206**
 Field ID **M5MW12**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated value.

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW12

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30032 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 3003206
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012757.D
Level: (low/med) LOW Date Received: 1/22/03
% Moisture: not dec. _____ Date Analyzed: 2/3/03
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB012758.D**
 Operator **Skelton**
 Date Acquired **3 Feb 2003 4:31 pm**

Sample Name **3003207**
 Field ID **M5MW13**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone	9.78	57254	2.30 ug/L	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated value

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6.2-Sept-9

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
 R.L. = Reporting Limit

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW13

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30032 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 3003207
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012758.D
Level: (low/med) LOW Date Received: 1/22/03
% Moisture: not dec. _____ Date Analyzed: 2/3/03
GC Column: RTX502. 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB012759.D**
 Operator **Skelton**
 Date Acquired **3 Feb 2003 5:13 pm**

Sample Name **3003208**
 Field ID **M5MW14**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated value.

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

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
 R.L. = Reporting Limit

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW14

Lab Name: FMETL Project: LTM
 NJDEP#: 13461 Case No.: 30032 Location: M5 SDG No.: Wells
 Matrix: (soil/water) WATER Lab Sample ID: 3003208
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012759.D
 Level: (low/med) LOW Date Received: 1/22/03
 % Moisture: not dec. _____ Date Analyzed: 2/3/03
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB012760.D**
 Operator **Skelton**
 Date Acquired **3 Feb 2003 5:55 pm**

Sample Name **3003209**
 Field ID **M5MW15**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated value

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

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
 R.L. = Reporting Limit

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW15

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30032 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 3003209
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012760.D
Level: (low/med) LOW Date Received: 1/22/03
% Moisture: not dec. _____ Date Analyzed: 2/3/03
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB012761.D**
 Operator **Skelton**
 Date Acquired **3 Feb 2003 6:36 pm**

Sample Name **3003210**
 Field ID **M5MW16**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	16.02	1894995	22.02 ug/L	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene	20.23	92675	1.36 ug/L	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.84	2321776	31.09 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated value.

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

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
 R.L. = Reporting Limit

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW16

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30032 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 3003210
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012761.D
Level: (low/med) LOW Date Received: 1/22/03
% Moisture: not dec. _____ Date Analyzed: 2/3/03
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB012762.D**
 Operator **Skelton**
 Date Acquired **3 Feb 2003 7:18 pm**

Sample Name **3003211**
 Field ID **M5MW18**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated value.

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW18

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30032 Location: M5 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3003211

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012762.D

Level: (low/med) LOW Date Received: 1/22/03

% Moisture: not dec. _____ Date Analyzed: 2/3/03

GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB012763.D**
 Operator **Skelton**
 Date Acquired **3 Feb 2003 7:59 pm**

Sample Name **3003212**
 Field ID **MSMW19**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone	16.15	21376	1.18 ug/L	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.83	111874	1.54 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated value.

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW19

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30032 Location: M5 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3003212

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012763.D

Level: (low/med) LOW Date Received: 1/22/03

% Moisture: not dec. _____ Date Analyzed: 2/3/03

GC Column: RTX502. 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB012764.D**
 Operator **Skelton**
 Date Acquired **3 Feb 2003 8:41 pm**

Sample Name **3003213**
 Field ID **M5MW20**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethane			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.84	2062088	27.87 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated value.

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

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
 R.L. = Reporting Limit

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW20

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30032 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 3003213
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012764.D
Level: (low/med) LOW Date Received: 1/22/03
% Moisture: not dec. _____ Date Analyzed: 2/3/03
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB012765.D**
 Operator **Skelton**
 Date Acquired **3 Feb 2003 9:22 pm**

Sample Name **3003214**
 Field ID **M5MW23**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene	20.24	267906	3.97 ug/L	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.84	3681433	50.11 ug/L	1	0.32 ug/L	2.00 ug/L	E
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated value.

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

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
 R.L. = Reporting Limit

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

Data File **VB012785.D**
 Operator **Skelton**
 Date Acquired **4 Feb 2003 2:21 pm**

Sample Name **3003214**
 Field ID **M5MW23**
 Sample Multiplier **5**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	9.25 ug/L	100.00 ug/L	
107131	Acrylonitrile			not detected	50	13.90 ug/L	100.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	42.60 ug/L	100.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.80 ug/L	10.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	10.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	8.40 ug/L	10.00 ug/L	
74-87-3	Chloromethane			not detected	30	5.80 ug/L	10.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	5.30 ug/L	10.00 ug/L	
74-83-9	Bromomethane			not detected	10	5.50 ug/L	10.00 ug/L	
75-00-3	Chloroethane			not detected	nle	5.05 ug/L	10.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	2.50 ug/L	10.00 ug/L	
75-35-4	1,1-Dichloroethane			not detected	2	1.20 ug/L	10.00 ug/L	
67-64-1	Acetone			not detected	700	6.80 ug/L	10.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	2.30 ug/L	10.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.20 ug/L	10.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.80 ug/L	10.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.60 ug/L	10.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	3.90 ug/L	10.00 ug/L	
78-93-3	2-Butanone			not detected	300	3.10 ug/L	10.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.85 ug/L	10.00 ug/L	
67-66-3	Chloroform			not detected	6	1.50 ug/L	10.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	1.15 ug/L	10.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	2.35 ug/L	10.00 ug/L	
71-43-2	Benzene			not detected	1	1.15 ug/L	10.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.90 ug/L	10.00 ug/L	
79-01-6	Trichloroethene	20.23	99295	7.45 ug/L	1	1.15 ug/L	10.00 ug/L	D
78-87-5	1,2-Dichloropropane			not detected	1	2.00 ug/L	10.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	2.75 ug/L	10.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	3.25 ug/L	10.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	3.45 ug/L	10.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	2.95 ug/L	10.00 ug/L	
108-88-3	Toluene			not detected	1000	1.85 ug/L	10.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	4.35 ug/L	10.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	2.40 ug/L	10.00 ug/L	
127-18-4	Tetrachloroethene	24.84	1123670	79.46 ug/L	1	1.60 ug/L	10.00 ug/L	D
591-78-6	2-Hexanone			not detected	nle	3.55 ug/L	10.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	4.30 ug/L	10.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	1.95 ug/L	10.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	3.25 ug/L	10.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	5.70 ug/L	20.00 ug/L	
95-47-6	o-Xylene			not detected	nle	3.10 ug/L	10.00 ug/L	
100-42-5	Styrene			not detected	100	2.80 ug/L	10.00 ug/L	
75-25-2	Bromoform			not detected	4	3.50 ug/L	10.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	2.35 ug/L	10.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.75 ug/L	10.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	2.85 ug/L	10.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	3.20 ug/L	10.00 ug/L	

*Results between MDL and RL are estimated value.

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW23

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30032 Location: M5 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3003214

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012765.D

Level: (low/med) LOW Date Received: 1/22/03

% Moisture: not dec. _____ Date Analyzed: 2/3/03

GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB012768.D**
 Operator **Skelton**
 Date Acquired **3 Feb 2003 11:26 pm**

Sample Name **3003215**
 Field ID **M5MW25**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated value.

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

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
 R.L. = Reporting Limit

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW25

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30032 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 3003215
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012768.D
Level: (low/med) LOW Date Received: 1/22/03
% Moisture: not dec. _____ Date Analyzed: 2/3/03
GC Column: RTX502 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
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Semi-Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File Name **BN06164.D**
 Operator **B.Patel**
 Date Acquired **30-Jan-03**

Sample Name **MB-012703**
 Misc Info **MB-012703**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	1.27	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.11	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.45	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	0.97	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.93	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	0.78	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	0.78	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.88	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	1.15	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.92	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.00	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	0.82	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	0.74	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.77	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.68	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.24	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.84	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	0.86	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.79	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.84	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.66	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.86	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.37	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.85	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.58	10.00	ug/L

Semi-Volatile Analysis Report

Page 2

Data File Name **BN06164.D**
 Operator **B.Patel**
 Date Acquired **30-Jan-03**

Sample Name **MB-012703**
 Misc Info **MB-012703**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.71	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.86	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	1.19	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.75	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.61	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.36	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.84	10.00	ug/L
120-12-7	Anthracene			not detected	2000	0.72	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.61	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	0.60	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.71	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.89	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.67	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.69	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.91	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	0.59	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.72	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

MB-012703

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30032 Location: M5 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: MB-012703

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06164.D

Level: (low/med) LOW Date Received: 1/22/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/27/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/30/03

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.	unknown	7.68	8	J

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

Data File Name **BN06166.D**
 Operator **B.Patel**
 Date Acquired **30-Jan-03**

Sample Name **3003202**
 Misc Info **Field Blank**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	1.27	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.11	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.45	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	0.97	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.93	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	0.78	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	0.78	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.88	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	1.15	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.92	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.00	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	0.82	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	0.74	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.77	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.68	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.24	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.84	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	0.86	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.79	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.84	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.66	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.86	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.37	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.85	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.58	10.00	ug/L

Semi-Volatile Analysis Report
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Data File Name **BN06166.D**
Operator **B.Patel**
Date Acquired **30-Jan-03**

Sample Name **3003202**
Misc Info **Field Blank**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.71	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.86	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	1.19	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.75	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.61	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.36	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.84	10.00	ug/L
120-12-7	Anthracene			not detected	2000	0.72	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.61	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	0.60	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.71	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.89	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.67	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.69	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.91	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	0.59	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.72	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7-9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

Field Blank

Lab Name: FMETL Lab Code 13461
 Project: LTM Case No.: 30032 Location: M5 SDG No: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3003202
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06166.D
 Level: (low/med) LOW Date Received: 1/22/03
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 1/27/03
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/30/03
 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.	unknown	7.68	6	J

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

Data File Name **BN06167.D**
 Operator **B.Patel**
 Date Acquired **30-Jan-03**

Sample Name **3003203**
 Misc Info **Dupe**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	1.27	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.11	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.45	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	0.97	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.93	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	0.78	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	0.78	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.88	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	1.15	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.92	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.00	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	0.82	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	0.74	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.77	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.68	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.24	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.84	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	0.86	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.79	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.84	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.66	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.86	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.37	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.85	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.58	10.00	ug/L

Semi-Volatile Analysis Report

Page 2

Data File Name **BN06167.D**
 Operator **B.Patel**
 Date Acquired **30-Jan-03**

Sample Name **3003203**
 Misc Info **Dupe**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.71	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.86	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	1.19	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.75	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.61	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.36	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.84	10.00	ug/L
120-12-7	Anthracene			not detected	2000	0.72	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.61	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	0.60	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.71	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.89	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.67	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.69	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.91	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	0.59	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.72	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

Dupe

Lab Name: FMETL Lab Code 13461
Project: LTM Case No.: 30032 Location: M5 SDG No: _____
Matrix: (soil/water) WATER Lab Sample ID: 3003203
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06167.D
Level: (low/med) LOW Date Received: 1/22/03
% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/27/03
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/30/03
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.68	7	J
2.	unknown	19.05	11	J

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

Data File Name **BN06168.D**
 Operator **B.Patel**
 Date Acquired **31-Jan-03**

Sample Name **3003204**
 Misc Info **M5MW10**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	1.27	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.11	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.45	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	0.97	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.93	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	0.78	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	0.78	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.88	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	1.15	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.92	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.00	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	0.82	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	0.74	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.77	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.68	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.24	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.84	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	0.86	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.79	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.84	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.66	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.86	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.37	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.85	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.58	10.00	ug/L

Semi-Volatile Analysis Report

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Data File Name **BN06168.D**
 Operator **B.Patel**
 Date Acquired **31-Jan-03**

Sample Name **3003204**
 Misc Info **M5MW10**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.71	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.86	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	1.19	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.75	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.61	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.36	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.84	10.00	ug/L
120-12-7	Anthracene			not detected	2000	0.72	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.61	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	0.60	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.71	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.89	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.67	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.69	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.91	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	0.59	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.72	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7-9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW10

Lab Name: FMETL Lab Code 13461
 Project: LTM Case No.: 30032 Location: M5 SDG No: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3003204
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06168.D
 Level: (low/med) LOW Date Received: 1/22/03
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 1/27/03
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/31/03
 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.	unknown	7.68	7	J

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

Data File Name **BN06169.D**
 Operator **B.Patel**
 Date Acquired **31-Jan-03**

Sample Name **3003205**
 Misc Info **M5MW11**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	1.27	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.11	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.45	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	0.97	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.93	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	0.78	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	0.78	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.88	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	1.15	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.92	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.00	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	0.82	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	0.74	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.77	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.68	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.24	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.84	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	0.86	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.79	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.84	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.66	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.86	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.37	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.85	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.58	10.00	ug/L

Semi-Volatile Analysis Report
Page 2

Data File Name **BN06169.D**
Operator **B.Patel**
Date Acquired **31-Jan-03**

Sample Name **3003205**
Misc Info **M5MW11**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.71	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.86	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	1.19	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.75	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.61	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.36	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.84	10.00	ug/L
120-12-7	Anthracene			not detected	2000	0.72	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.61	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	0.60	10.00	ug/L
92-87-5	Benzdine			not detected	50	2.71	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.89	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.67	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.69	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.91	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	0.59	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.72	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW11

Lab Name: FMETL Lab Code 13461
Project: LTM Case No.: 30032 Location: M5 SDG No: _____
Matrix: (soil/water) WATER Lab Sample ID: 3003205
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06169.D
Level: (low/med) LOW Date Received: 1/22/03
% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/27/03
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/31/03
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.68	7	J
2.	unknown	35.19	15	J

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

Data File Name **BN06170.D**
 Operator **B.Patel**
 Date Acquired **31-Jan-03**

Sample Name **3003206**
 Misc Info **M5MW12**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	1.27	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.11	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.45	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	0.97	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.93	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	0.78	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	0.78	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.88	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	1.15	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.92	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.00	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	0.82	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	0.74	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.77	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.68	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.24	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.84	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	0.86	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.79	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.84	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.66	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.86	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.37	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.85	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.58	10.00	ug/L

Semi-Volatile Analysis Report

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Data File Name **BN06170.D**
 Operator **B.Patel**
 Date Acquired **31-Jan-03**

Sample Name **3003206**
 Misc Info **M5MW12**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.71	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.86	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	1.19	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.75	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.61	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.36	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.84	10.00	ug/L
120-12-7	Anthracene			not detected	2000	0.72	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.61	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	0.60	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.71	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.89	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.67	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.69	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.91	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	28.40	33685	1.30 ug/L	30	1.06	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	0.59	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.72	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW12

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30032 Location: M5 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 3003206

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06170.D

Level: (low/med) LOW Date Received: 1/22/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/27/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/31/03

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.68	7	J
2. 000112-80-1	Oleic Acid	24.97	7	JN
3.	unknown	35.20	7	J

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

Data File Name **BN06171.D**
 Operator **B.Patel**
 Date Acquired **31-Jan-03**

Sample Name **3003207**
 Misc Info **M5MW13**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	1.27	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.11	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.45	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	0.97	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.93	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	0.78	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	0.78	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.88	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	1.15	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.92	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.00	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	0.82	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	0.74	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.77	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.68	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.24	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.84	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	0.86	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.79	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.84	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.66	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.86	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.37	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.85	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.58	10.00	ug/L

Semi-Volatile Analysis Report

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Data File Name **BN06171.D**
 Operator **B.Patel**
 Date Acquired **31-Jan-03**

Sample Name **3003207**
 Misc Info **M5MW13**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.71	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.86	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	1.19	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.75	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.61	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.36	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.84	10.00	ug/L
120-12-7	Anthracene			not detected	2000	0.72	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.61	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	0.60	10.00	ug/L
92-87-5	Benzdine			not detected	50	2.71	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.89	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.67	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.69	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.91	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	28.40	28383	1.14 ug/L	30	1.06	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	0.59	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.72	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW13

Lab Name: FMETL Lab Code 13461
 Project: LTM Case No.: 30032 Location: M5 SDG No: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3003207
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06171.D
 Level: (low/med) LOW Date Received: 1/22/03
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 1/27/03
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/31/03
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.68	7	J
2.	004727-18-8 Cyclopentadecanone, 2-hydroxy-	30.45	19	JN
3.	unknown	35.23	96	J

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

Data File Name **BN06172.D**
 Operator **B.Patel**
 Date Acquired **31-Jan-03**

Sample Name **3003208**
 Misc Info **M5MW14**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	1.27	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.11	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.45	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	0.97	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.93	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	0.78	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	0.78	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.88	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	1.15	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.92	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.00	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	0.82	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	0.74	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.77	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.68	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.24	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.84	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	0.86	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.79	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.84	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.66	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.86	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.37	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.85	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.58	10.00	ug/L

Semi-Volatile Analysis Report
Page 2

Data File Name **BN06172.D**
Operator **B.Patel**
Date Acquired **31-Jan-03**

Sample Name **3003208**
Misc Info **M5MW14**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.71	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.86	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	1.19	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.75	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.61	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.36	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.84	10.00	ug/L
120-12-7	Anthracene			not detected	2000	0.72	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.61	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	0.60	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.71	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.89	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.67	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.69	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.91	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	0.59	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.72	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
RL= Reporting Limit. The values between the MDL and RL are considered estimated.

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

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW14

Lab Name: FMETL Lab Code 13461
 Project: LTM Case No.: 30032 Location: M5 SDG No: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3003208
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06172.D
 Level: (low/med) LOW Date Received: 1/22/03
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 1/27/03
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/31/03
 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.	unknown	7.68	20	J

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

Data File Name **BN06173.D**
 Operator **B.Patel**
 Date Acquired **31-Jan-03**

Sample Name **3003209**
 Misc Info **M5MW15**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	1.27	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.11	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.45	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	0.97	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.93	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	0.78	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	0.78	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.88	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	1.15	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.92	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.00	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	0.82	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	0.74	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.77	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.68	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.24	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.84	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	0.86	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.79	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.84	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.66	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.86	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.37	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.85	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.58	10.00	ug/L

Semi-Volatile Analysis Report

Page 2

Data File Name **BN06173.D**
 Operator **B.Patel**
 Date Acquired **31-Jan-03**

Sample Name **3003209**
 Misc Info **M5MW15**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.71	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.86	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	1.19	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.75	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.61	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.36	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.84	10.00	ug/L
120-12-7	Anthracene			not detected	2000	0.72	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.61	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	0.60	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.71	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.89	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.67	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.69	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.91	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	0.59	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.72	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW15

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30032 Location: M5 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 3003209

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06173.D

Level: (low/med) LOW Date Received: 1/22/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/27/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/31/03

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.67	18	J
2. 000119-47-1	Phenol, 2,2'-methylenebis[6-(1,1-	27.51	6	JN

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

Data File Name **BN06174.D**
 Operator **B.Patel**
 Date Acquired **31-Jan-03**

Sample Name **3003210**
 Misc Info **M5MW16**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	1.27	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.11	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.45	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	0.97	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.93	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	0.78	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	0.78	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.88	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	1.15	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.92	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.00	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	0.82	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	0.74	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.77	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.68	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.24	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.84	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	0.86	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.79	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.84	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.66	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.86	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.37	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.85	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.58	10.00	ug/L

Semi-Volatile Analysis Report
Page 2

Data File Name **BN06174.D**
Operator **B.Patel**
Date Acquired **31-Jan-03**

Sample Name **3003210**
Misc Info **M5MW16**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.71	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.86	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	1.19	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.75	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.61	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.36	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.84	10.00	ug/L
120-12-7	Anthracene			not detected	2000	0.72	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.61	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	0.60	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.71	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.89	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.67	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.69	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.91	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	0.59	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.72	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW16

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30032 Location: M5 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 3003210

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06174.D

Level: (low/med) LOW Date Received: 1/22/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/27/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/31/03

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.	unknown	7.68	17	J

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

Data File Name **BN06175.D**
 Operator **B.Patel**
 Date Acquired **31-Jan-03**

Sample Name **3003211**
 Misc Info **M5MW18**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	ug/L	Qualifier
110-86-1	Pyridine			not detected	NLE	1.27	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.11	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.45	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.97	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.93	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.78	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.78	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.88	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.15	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.92	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.00	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.82	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.74	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.77	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.68	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.24	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.84	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.86	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.79	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.84	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.66	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.86	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.37	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.85	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.58	10.00	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name **BN06175.D**
Operator **B.Patel**
Date Acquired **31-Jan-03**

Sample Name **3003211**
Misc Info **M5MW18**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.71	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.86	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	1.19	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.75	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.61	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.36	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.84	10.00	ug/L
120-12-7	Anthracene			not detected	2000	0.72	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.61	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	0.60	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.71	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.89	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.67	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.69	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.91	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	0.59	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.72	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW18

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30032 Location: M5 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 3003211

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06175.D

Level: (low/med) LOW Date Received: 1/22/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/27/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/31/03

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.	unknown	7.67	15	J

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

Data File Name **BN06176.D**
 Operator **B.Patel**
 Date Acquired **31-Jan-03**

Sample Name **3003212**
 Misc Info **M5MW19**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	1.27	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.11	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.45	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	0.97	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.93	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	0.78	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	0.78	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.88	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	1.15	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.92	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.00	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	0.82	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	0.74	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.77	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.68	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.24	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.84	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	0.86	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.79	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.84	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.66	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.86	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.37	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.85	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.58	10.00	ug/L

Semi-Volatile Analysis Report
Page 2

Data File Name **BN06176.D**
Operator **B.Patel**
Date Acquired **31-Jan-03**

Sample Name **3003212**
Misc Info **M5MW19**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.71	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.86	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	1.19	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.75	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.61	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.36	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.84	10.00	ug/L
120-12-7	Anthracene			not detected	2000	0.72	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.61	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	0.60	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.71	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.89	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.67	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.69	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.91	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	0.59	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.72	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW19

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30032 Location: M5 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 3003212

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06176.D

Level: (low/med) LOW Date Received: 1/22/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/27/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/31/03

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.67	21	J
2. 010544-50-0	Sulfur, mol. (S8)	19.05	7	JN

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

Data File Name **BN06177.D**
 Operator **B.Patel**
 Date Acquired **31-Jan-03**

Sample Name **3003213**
 Misc Info **M5MW20**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	1.27	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.11	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.45	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	0.97	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.93	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	0.78	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	0.78	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.88	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	1.15	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.92	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.00	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	0.82	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	0.74	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.77	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.68	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.24	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.84	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	0.86	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.79	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.84	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.66	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.86	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.37	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.85	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.58	10.00	ug/L

Semi-Volatile Analysis Report

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Data File Name **BN06177.D**
 Operator **B.Patel**
 Date Acquired **31-Jan-03**

Sample Name **3003213**
 Misc Info **M5MW20**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.71	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.86	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	1.19	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.75	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.61	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.36	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.84	10.00	ug/L
120-12-7	Anthracene			not detected	2000	0.72	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.61	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	0.60	10.00	ug/L
92-87-5	Benzdine			not detected	50	2.71	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.89	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.67	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.69	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.91	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	0.59	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.72	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW20

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30032 Location: M5 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 3003213

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06177.D

Level: (low/med) LOW Date Received: 1/22/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/27/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/31/03

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.	unknown	7.67	18	J

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

Data File Name **BN06178.D**
 Operator **B.Patel**
 Date Acquired **31-Jan-03**

Sample Name **3003214**
 Misc Info **M5MW23**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	1.27	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.11	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.45	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	0.97	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.93	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	0.78	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	0.78	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.88	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	1.15	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.92	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.00	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	0.82	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	0.74	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.77	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.68	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.24	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.84	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	0.86	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.79	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.84	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.66	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.86	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.37	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.85	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.58	10.00	ug/L

Semi-Volatile Analysis Report
Page 2

Data File Name **BN06178.D**
Operator **B.Patel**
Date Acquired **31-Jan-03**

Sample Name **3003214**
Misc Info **M5MW23**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.71	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.86	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	1.19	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.75	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.61	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.36	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.84	10.00	ug/L
120-12-7	Anthracene			not detected	2000	0.72	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.61	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	0.60	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.71	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.89	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.67	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.69	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.91	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	0.59	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.72	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW23

Lab Name: FMETL Lab Code 13461
Project: LTM Case No.: 30032 Location: M5 SDG No: _____
Matrix: (soil/water) WATER Lab Sample ID: 3003214
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06178.D
Level: (low/med) LOW Date Received: 1/22/03
% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/27/03
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/31/03
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. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.67	21	JN

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

Data File Name **BN06179.D**
 Operator **B.Patel**
 Date Acquired **31-Jan-03**

Sample Name **3003215**
 Misc Info **M5MW25**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	1.27	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.78	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.11	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.45	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	0.97	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.80	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.93	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.99	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	0.78	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.96	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	0.78	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.01	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.88	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	1.15	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.92	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.00	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	0.82	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.83	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	0.74	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.77	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.66	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.68	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.24	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.84	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.69	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.62	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.53	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.84	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.99	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.81	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	0.86	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.79	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.84	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.95	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.66	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.86	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.37	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.85	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.58	10.00	ug/L

Semi-Volatile Analysis Report

Page 2

Data File Name **BN06179.D**
 Operator **B.Patel**
 Date Acquired **31-Jan-03**

Sample Name **3003215**
 Misc Info **M5MW25**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.86	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.71	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.86	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.67	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	1.19	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.76	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.83	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.75	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.66	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.61	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.36	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.84	10.00	ug/L
120-12-7	Anthracene			not detected	2000	0.72	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.61	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	0.60	10.00	ug/L
92-87-5	Benidine			not detected	50	2.71	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.89	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.67	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.69	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.79	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.91	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.06	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	0.59	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.88	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	0.96	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.72	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.56	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.91	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.66	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW25

Lab Name: FMETL Lab Code 13461
Project: LTM Case No.: 30032 Location: M5 SDG No: _____
Matrix: (soil/water) WATER Lab Sample ID: 3003215
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06179.D
Level: (low/med) LOW Date Received: 1/22/03
% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/27/03
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/31/03
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.	unknown	7.67	19	J

TABULATED ANALYTICAL REPORT
SW 846 8081

mb 012803

Matrix: Aqueous

Date Extracted: 1/22/03

Ext. Batch: 12803

Filename: 00319.D

Date Analysed: 2/28/03

Analyst: A.A.

<u>CAS #</u>	<u>COMPOUNDS</u>	<u>RESULTS</u> (ug/L)	<u>MDL</u> (ug/L)
319-84-6	alpha-BHC	U	0.0011
319-85-7	beta-BHC	U	0.0050
58-89-9	gamma-BHC	U	0.0013
319-86-8	delta-BHC	U	0.0016
76-44-8	Heptachlor	U	0.0035
309-00-2	Aldrin	U	0.0026
1024-57-3	Heptachlor epoxide	U	0.0020
5103-71-9	gamma-Chlordane	U	0.0007
5103-74-2	alpha-Chlordane	U	0.0036
959-98-8	Endosulfan I	U	0.0016
72-55-9	4,4'-DDE	U	0.0021
60-57-1	Dieldrin	U	0.0020
72-20-8	Endrin	U	0.0032
33213-65-9	Endosulfan II	U	0.0022
72-54-8	4,4'-DDD	U	0.0020
7421-93-4	Endrin aldehyde	U	0.0100
50-29-3	4,4'-DDT	U	0.0052
1031-07-8	Endosulfan sulfate	U	0.0026
53494-70-5	Endrin ketone	U	0.0026
72-43-5	Methoxychlor	U	0.0100
8001-35-2	Toxaphene	U	0.0157
12674-11-2	Arochlor 1016	U	0.0683
11104-28-2	Arochlor 1221	U	0.0666
11141-16-5	Arochlor 1232	U	0.0648
53469-21-9	Arochlor 1242	U	0.0485
12672-29-6	Arochlor 1248	U	0.0544
11097-69-1	Arochlor 1254	U	0.0608
11096-82-5	Arochlor 1260	U	0.0732

MDL = METHOD DETECTION LIMIT
U = UNDETECTED BELOW THE MDL

Initial vol. (ml): 1000.00
Final vol. (ml): 10

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: MS Wells
Field ID: FIELDBLANK
Lab ID: 3003202
Filename: 00321.D
Lab Project : 30032

Location: MS Wells 1st Qtr. '03
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 01/22/03
Date Analyzed: 02/28/03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS	Reporting Limit	Regulatory Level	Qualifier	MDL
		(ug/L)	(ug/L)	(ug/L)		(ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.50		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: MS Wells
Field ID: Dupe
Lab ID: 3003203
Filename: 00322.D
Lab Project : 30032

Location: MS Wells 1st Qtr. '03
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 01/22/03
Date Analyzed: 02/28/03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS	Reporting Limit	Regulatory Level	Qualifier	MDL
		(ug/L)	(ug/L)	(ug/L)		(ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.50		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CL.Pesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CL.Pesticides2 30m/.32mm ID/.5um.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: MS Wells
Field ID: MS MW 10
Lab ID: 3003204
Filename: 00323.D
Lab Project : 30032

Location: MS Wells 1st Qtr. '03
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 01/22/03
Date Analyzed: 02/28/03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS	Reporting Limit	Regulatory Level	Qualifier	MDL
		(ug/L)	(ug/L)	(ug/L)		(ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.2		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.50		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CL.Pesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CL.Pesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: MS Wells
Field ID: MS MW 11
Lab ID: 3003205
Filename: 00324.D
Lab Project : 30032

Location: MS Wells 1st Qtr. '03
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 01/22/03
Date Analyzed: 02/28/03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS	Reporting Limit	Regulatory Level	Qualifier	MDL
		(ug/L)	(ug/L)	(ug/L)		(ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.2		0.0050
58-89-9	gamma-BHC	ND	0.01	0.2		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.50		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Decedted / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CL.Pesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CL.Pesticides2 30m/.32mm ID/.5um.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: MS Wells
Field ID: MS MW 12
Lab ID: 3003206
Filename: 00325.D
Lab Project : 30032

Location: MS Wells 1st Qtr. '03
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 01/22/03
Date Analyzed: 02/28/03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS	Reporting Limit	Regulatory Level	Qualifier	MDL
		(ug/L)	(ug/L)	(ug/L)		(ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.2		0.0050
58-89-9	gamma-BHC	ND	0.01	0.2		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.50		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: MS Wells
Field ID: MS MW 13
Lab ID: 3003207
Filename: 00326.D
Lab Project : 30032

Location: MS Wells 1st Qtr. '03
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 01/22/03
Date Analyzed: 02/28/03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS	Reporting Limit	Regulatory Level	Qualifier	MDL
		(ug/L)	(ug/L)	(ug/L)		(ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.2		0.0050
58-89-9	gamma-BHC	ND	0.01	0.2		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.4		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.50		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
 Project Name: MS Wells
 Field ID: MS MW 14
 Lab ID: 3003208
 Filename: 00327.D
 Lab Project : 30032

Location: MS Wells 1st Qtr. '03
 MATRIX: Aqueous
 Ext. Batch:
 Date Extrac 01/22/03
 Date Analyz 02/28/03
 Dilution: 1
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS	Reporting Limit	Regulatory Level	Qualifier	MDL
		(ug/L)	(ug/L)	(ug/L)		(ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.2		0.0050
58-89-9	gamma-BHC	ND	0.01	0.2		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.4		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.50		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: MS Wells
Field ID: MS MW 15
Lab ID: 3003209
Filename: 00328.D
Lab Project : 30032

Location: MS Wells 1st Qtr. '03
MATRIX: Aqueous
Ext. Batch:
Date Extrac 01/22/03
Date Analyz 02/28/03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS	Reporting Limit	Regulatory Level	Qualifier	MDL
		(ug/L)	(ug/L)	(ug/L)		(ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.2		0.0050
58-89-9	gamma-BHC	ND	0.01	0.2		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.4		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.2		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.50		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Decetded / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CL.Pesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CL.Pesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: MS Wells
Field ID: MS MW 16
Lab ID: 3003210
Filename: 00346A.D
Lab Project : 30032

Location: MS Wells 1st Qtr. '03
MATRIX: Aqueous
Ext. Batch:
Date Extracted 01/22/03
Date Analyz 3 Mar 2003 10:55 am
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS	Reporting Limit	Regulatory Level	Qualifier	MDL
		(ug/L)	(ug/L)	(ug/L)		(ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.2		0.0050
58-89-9	gamma-BHC	ND	0.01	0.2		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.4		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.2		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.5		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.50		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CL.Pesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CL.Pesticides 2 30m/.32mm ID/.5um.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELEM-PW-EV
Project Name: MS Wells
Field ID: MS MW 18
Lab ID: 3003211
Filename: 00347A.D
Lab Project: 30032

Location: MS Wells 1st Qtr. '03
MATRIX: Aqueous
Ext. Batch:
Date Extracted 01/22/03
Date Analyzed 3 Mar 2003 11:29 am
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.2		0.0050
58-89-9	gamma-BHC	ND	0.01	0.2		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.4		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.2		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.5		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.5		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.50		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND = Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides 2 30m/.32mm ID/.5um.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
 Project Name: MS Wells
 Field ID: MS MW 19
 Lab ID: 3003212
 Filename: 00348A.D
 Lab Project : 30032

Location: MS Wells 1st Qtr. '03
 MATRIX: Aqueous
 Ext. Batch:
 Date Extracted: 01/22/03
 Date Analyzed: 3 Mar 2003 12:02 pm
 Dilution: 1
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.2		0.0050
58-89-9	gamma-BHC	ND	0.01	0.2		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.4		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.2		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.5		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.5		0.0036
959-98-8	Endosulfan I	ND	0.01	0.4		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.50		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: MS Wells
Field ID: MS MW 20
Lab ID: 3003213
Filename: 00349A.D
Lab Project : 30032

Location: MS Wells 1st Qtr. '03
MATRIX: Aqueous
Ext. Batch:
Date Extracted 01/22/03
Date Analyzed 3 Mar 2003 12:36 pm
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.2		0.0050
58-89-9	gamma-BHC	ND	0.01	0.2		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.4		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.2		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.5		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.5		0.0036
959-98-8	Endosulfan I	ND	0.01	0.4		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.1		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.50		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND = Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides 2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: MS Wells
Field ID: MS MW 23
Lab ID: 3003214
Filename: 00350A.D
Lab Project : 30032

Location: MS Wells 1st Qtr. '03
MATRIX: Aqueous
Ext. Batch:
Date Extrac 01/22/03
Date Analyzed 3 Mar 2003 1:10 pm
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.2		0.0050
58-89-9	gamma-BHC	ND	0.01	0.2		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.4		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.2		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.5		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.5		0.0036
959-98-8	Endosulfan I	ND	0.01	0.4		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.1		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.50		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: MS Wells
Field ID: MS MW 25
Lab ID: 3003215
Filename: 00351.D
Lab Project : 30032

Location: MS Wells 1st Qtr. '03
MATRIX: Aqueous
Ext. Batch:
Date Extrac 01/22/03
Date Analyz 3 Mar 2003 1:43 pm
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.2		0.0050
58-89-9	gamma-BHC	ND	0.01	0.2		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.4		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.2		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.5		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.5		0.0036
959-98-8	Endosulfan I	ND	0.01	0.4		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.1		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.50		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CL.Pesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CL.Pesticides2 30m/.32mm ID/.5um.

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

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

Lab ID #: 30032
 Sample Prepared: 01/27/03

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: Method Blank

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	01/27/03	ND	200	100	10.0
Antimony	01/27/03	ND	20	10	2.0
Arsenic	01/27/03	ND	8	5.0	2.0
Barium	01/27/03	ND	2000	10	0.5
Beryllium	01/27/03	ND	20	0.25	0.5
Cadmium	01/27/03	ND	4	1.0	0.5
Calcium	01/27/03	102	NLE	100	20.0
Chromium	01/27/03	1.16	100	10	0.5
Cobalt	01/27/03	ND	NLE	5.0	0.5
Copper	01/27/03	ND	1000	10	2.0
Iron	01/27/03	ND	300	200	10.0
Lead	01/27/03	ND	10	5.0	1.0
Magnesium	01/27/03	ND	NLE	100	10.0
Manganese	01/27/03	ND	50	5.0	0.5
Mercury	01/31/03	ND	2	0.20	0.15
Nickel	01/27/03	ND	100	5.0	1.0
Potassium	01/27/03	466	NLE	200	40.0
Selenium	01/27/03	ND	50	10	3.0
Silver	01/27/03	ND	20	5.0	1.0
Sodium	01/27/03	278	50000	200	20.0
Thallium	01/27/03	ND	10	10	2.0
Vanadium	01/27/03	ND	NLE	5.0	0.5
Zinc	01/27/03	ND	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3003202
 Sample Received: 01/22/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: Field Blank

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	01/27/03	ND	200	100	10.0
Antimony	01/27/03	ND	20	10	2.0
Arsenic	01/27/03	ND	8	5.0	2.0
Barium	01/27/03	ND	2000	10	0.5
Beryllium	01/27/03	ND	20	0.25	0.5
Cadmium	01/27/03	ND	4	1.0	0.5
Calcium	01/27/03	25.0	NLE	100	20.0
Chromium	01/27/03	ND	100	10	0.5
Cobalt	01/27/03	ND	NLE	5.0	0.5
Copper	01/27/03	ND	1000	10	2.0
Iron	01/27/03	ND	300	200	10.0
Lead	01/27/03	ND	10	5.0	1.0
Magnesium	01/27/03	ND	NLE	100	10.0
Manganese	01/27/03	ND	50	5.0	0.5
Mercury	01/31/03	ND	2	0.20	0.15
Nickel	01/27/03	ND	100	5.0	1.0
Potassium	01/27/03	396	NLE	200	40.0
Selenium	01/27/03	ND	50	10	3.0
Silver	01/27/03	ND	20	5.0	1.0
Sodium	01/27/03	ND	50000	200	20.0
Thallium	01/27/03	ND	10	10	2.0
Vanadium	01/27/03	ND	NLE	5.0	0.5
Zinc	01/27/03	ND	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3003203
 Sample Received: 01/22/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: Dupe

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	01/27/03	86.4	200	100	10.0
Antimony	01/27/03	ND	20	10	2.0
Arsenic	01/27/03	ND	8	5.0	2.0
Barium	01/27/03	49.0	2000	10	0.5
Beryllium	01/27/03	ND	20	0.25	0.5
Cadmium	01/27/03	ND	4	1.0	0.5
Calcium	01/27/03	23000	NLE	100	20.0
Chromium	01/27/03	0.597	100	10	0.5
Cobalt	01/27/03	ND	NLE	5.0	0.5
Copper	01/27/03	ND	1000	10	2.0
Iron	01/27/03	11800	300	200	10.0
Lead	01/27/03	ND	10	5.0	1.0
Magnesium	01/27/03	4160	NLE	100	10.0
Manganese	01/27/03	55.6	50	5.0	0.5
Mercury	01/31/03	ND	2	0.20	0.15
Nickel	01/27/03	ND	100	5.0	1.0
Potassium	01/27/03	8210	NLE	200	40.0
Selenium	01/27/03	ND	50	10	3.0
Silver	01/27/03	ND	20	5.0	1.0
Sodium	01/27/03	8510	50000	200	20.0
Thallium	01/27/03	ND	10	10	2.0
Vanadium	01/27/03	ND	NLE	5.0	0.5
Zinc	01/27/03	ND	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3003204
 Sample Received: 01/22/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW10

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	01/27/03	306	200	100	10.0
Antimony	01/27/03	5.95	20	10	2.0
Arsenic	01/27/03	2.65	8	5.0	2.0
Barium	01/27/03	183	2000	10	0.5
Beryllium	01/27/03	ND	20	0.25	0.5
Cadmium	01/27/03	1.13	4	1.0	0.5
Calcium	01/27/03	14900	NLE	100	20.0
Chromium	01/27/03	5.53	100	10	0.5
Cobalt	01/27/03	ND	NLE	5.0	0.5
Copper	01/27/03	6.26	1000	10	2.0
Iron	01/27/03	17100	300	200	10.0
Lead	01/27/03	3.39	10	5.0	1.0
Magnesium	01/27/03	10800	NLE	100	10.0
Manganese	01/27/03	252	50	5.0	0.5
Mercury	01/31/03	ND	2	0.20	0.15
Nickel	01/27/03	ND	100	5.0	1.0
Potassium	01/27/03	7500	NLE	200	40.0
Selenium	01/27/03	ND	50	10	3.0
Silver	01/27/03	ND	20	5.0	1.0
Sodium	01/27/03	43100	50000	200	20.0
Thallium	01/27/03	ND	10	10	2.0
Vanadium	01/27/03	2.27	NLE	5.0	0.5
Zinc	01/27/03	27.7	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3003205
 Sample Received: 01/22/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW11

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	01/27/03	202	200	100	10.0
Antimony	01/27/03	ND	20	10	2.0
Arsenic	01/27/03	2.60	8	5.0	2.0
Barium	01/27/03	5.68	2000	10	0.5
Beryllium	01/27/03	ND	20	0.25	0.5
Cadmium	01/27/03	ND	4	1.0	0.5
Calcium	01/27/03	11800	NLE	100	20.0
Chromium	01/27/03	2.49	100	10	0.5
Cobalt	01/27/03	ND	NLE	5.0	0.5
Copper	01/27/03	ND	1000	10	2.0
Iron	01/27/03	5250	300	200	10.0
Lead	01/27/03	ND	10	5.0	1.0
Magnesium	01/27/03	3610	NLE	100	10.0
Manganese	01/27/03	15.6	50	5.0	0.5
Mercury	01/31/03	ND	2	0.20	0.15
Nickel	01/27/03	ND	100	5.0	1.0
Potassium	01/27/03	1950	NLE	200	40.0
Selenium	01/27/03	ND	50	10	3.0
Silver	01/27/03	ND	20	5.0	1.0
Sodium	01/27/03	13400	50000	200	20.0
Thallium	01/27/03	ND	10	10	2.0
Vanadium	01/27/03	8.52	NLE	5.0	0.5
Zinc	01/27/03	75.7	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3003206
 Sample Received: 01/22/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW12

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	01/27/03	830	200	100	10.0
Antimony	01/27/03	ND	20	10	2.0
Arsenic	01/27/03	ND	8	5.0	2.0
Barium	01/27/03	24.6	2000	10	0.5
Beryllium	01/27/03	ND	20	0.25	0.5
Cadmium	01/27/03	0.646	4	1.0	0.5
Calcium	01/27/03	18900	NLE	100	20.0
Chromium	01/27/03	7.71	100	10	0.5
Cobalt	01/27/03	ND	NLE	5.0	0.5
Copper	01/27/03	13.3	1000	10	2.0
Iron	01/27/03	10700	300	200	10.0
Lead	01/27/03	4.16	10	5.0	1.0
Magnesium	01/27/03	25900	NLE	100	10.0
Manganese	01/27/03	45.9	50	5.0	0.5
Mercury	01/31/03	ND	2	0.20	0.15
Nickel	01/27/03	ND	100	5.0	1.0
Potassium	01/27/03	20100	NLE	200	40.0
Selenium	01/27/03	4.10	50	10	3.0
Silver	01/27/03	ND	20	5.0	1.0
Sodium	01/27/03	53500	50000	200	20.0
Thallium	01/27/03	ND	10	10	2.0
Vanadium	01/27/03	5.02	NLE	5.0	0.5
Zinc	01/27/03	31.3	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3003207
 Sample Received: 01/22/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW13

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	01/27/03	246	200	100	10.0
Antimony	01/27/03	ND	20	10	2.0
Arsenic	01/27/03	ND	8	5.0	2.0
Barium	01/27/03	132	2000	10	0.5
Beryllium	01/27/03	ND	20	0.25	0.5
Cadmium	01/27/03	1.64	4	1.0	0.5
Calcium	01/27/03	19100	NLE	100	20.0
Chromium	01/27/03	3.56	100	10	0.5
Cobalt	01/27/03	0.685	NLE	5.0	0.5
Copper	01/27/03	2.52	1000	10	2.0
Iron	01/27/03	29600	300	200	10.0
Lead	01/27/03	3.26	10	5.0	1.0
Magnesium	01/27/03	11300	NLE	100	10.0
Manganese	01/27/03	339	50	5.0	0.5
Mercury	01/31/03	ND	2	0.20	0.15
Nickel	01/27/03	ND	100	5.0	1.0
Potassium	01/27/03	5090	NLE	200	40.0
Selenium	01/27/03	ND	50	10	3.0
Silver	01/27/03	ND	20	5.0	1.0
Sodium	01/27/03	67000	50000	200	20.0
Thallium	01/27/03	ND	10	10	2.0
Vanadium	01/27/03	3.49	NLE	5.0	0.5
Zinc	01/27/03	20.1	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3003208
 Sample Received: 01/22/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW14

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	01/27/03	72.5	200	100	10.0
Antimony	01/27/03	ND	20	10	2.0
Arsenic	01/27/03	ND	8	5.0	2.0
Barium	01/27/03	217	2000	10	0.5
Beryllium	01/27/03	ND	20	0.25	0.5
Cadmium	01/27/03	0.602	4	1.0	0.5
Calcium	01/27/03	57900	NLE	100	20.0
Chromium	01/27/03	2.35	100	10	0.5
Cobalt	01/27/03	2.80	NLE	5.0	0.5
Copper	01/27/03	2.96	1000	10	2.0
Iron	01/27/03	20100	300	200	10.0
Lead	01/27/03	ND	10	5.0	1.0
Magnesium	01/27/03	18100	NLE	100	10.0
Manganese	01/27/03	221	50	5.0	0.5
Mercury	01/31/03	ND	2	0.20	0.15
Nickel	01/27/03	1.46	100	5.0	1.0
Potassium	01/27/03	10600	NLE	200	40.0
Selenium	01/27/03	ND	50	10	3.0
Silver	01/27/03	ND	20	5.0	1.0
Sodium	01/27/03	32400	50000	200	20.0
Thallium	01/27/03	ND	10	10	2.0
Vanadium	01/27/03	0.686	NLE	5.0	0.5
Zinc	01/27/03	13.3	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3003209
 Sample Received: 01/22/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW15

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	01/27/03	708	200	100	10.0
Antimony	01/27/03	ND	20	10	2.0
Arsenic	01/27/03	ND	8	5.0	2.0
Barium	01/27/03	72.1	2000	10	0.5
Beryllium	01/27/03	1.14	20	0.25	0.5
Cadmium	01/27/03	ND	4	1.0	0.5
Calcium	01/27/03	6770	NLE	100	20.0
Chromium	01/27/03	1.01	100	10	0.5
Cobalt	01/27/03	8.04	NLE	5.0	0.5
Copper	01/27/03	ND	1000	10	2.0
Iron	01/27/03	276	300	200	10.0
Lead	01/27/03	ND	10	5.0	1.0
Magnesium	01/27/03	11300	NLE	100	10.0
Manganese	01/27/03	17.5	50	5.0	0.5
Mercury	01/31/03	ND	2	0.20	0.15
Nickel	01/27/03	16.9	100	5.0	1.0
Potassium	01/27/03	4210	NLE	200	40.0
Selenium	01/27/03	ND	50	10	3.0
Silver	01/27/03	ND	20	5.0	1.0
Sodium	01/27/03	11500	50000	200	20.0
Thallium	01/27/03	ND	10	10	2.0
Vanadium	01/27/03	0.624	NLE	5.0	0.5
Zinc	01/27/03	108	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3003210
 Sample Received: 01/22/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW16

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	01/27/03	301	200	100	10.0
Antimony	01/27/03	ND	20	10	2.0
Arsenic	01/27/03	12.6	8	5.0	2.0
Barium	01/27/03	135	2000	10	0.5
Beryllium	01/27/03	ND	20	0.25	0.5
Cadmium	01/27/03	0.872	4	1.0	0.5
Calcium	01/27/03	15300	NLE	100	20.0
Chromium	01/27/03	1.92	100	10	0.5
Cobalt	01/27/03	2.09	NLE	5.0	0.5
Copper	01/27/03	ND	1000	10	2.0
Iron	01/27/03	14600	300	200	10.0
Lead	01/27/03	ND	10	5.0	1.0
Magnesium	01/27/03	5350	NLE	100	10.0
Manganese	01/27/03	45.2	50	5.0	0.5
Mercury	01/31/03	ND	2	0.20	0.15
Nickel	01/27/03	7.06	100	5.0	1.0
Potassium	01/27/03	4750	NLE	200	40.0
Selenium	01/27/03	ND	50	10	3.0
Silver	01/27/03	ND	20	5.0	1.0
Sodium	01/27/03	26800	50000	200	20.0
Thallium	01/27/03	ND	10	10	2.0
Vanadium	01/27/03	1.98	NLE	5.0	0.5
Zinc	01/27/03	36.3	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3003211
 Sample Received: 01/22/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW18

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	01/27/03	293	200	100	10.0
Antimony	01/27/03	ND	20	10	2.0
Arsenic	01/27/03	8.40	8	5.0	2.0
Barium	01/27/03	561	2000	10	0.5
Beryllium	01/27/03	ND	20	0.25	0.5
Cadmium	01/27/03	3.60	4	1.0	0.5
Calcium	01/27/03	27200	NLE	100	20.0
Chromium	01/27/03	1.19	100	10	0.5
Cobalt	01/27/03	ND	NLE	5.0	0.5
Copper	01/27/03	40.1	1000	10	2.0
Iron	01/27/03	62100	300	200	10.0
Lead	01/27/03	4.38	10	5.0	1.0
Magnesium	01/27/03	4580	NLE	100	10.0
Manganese	01/27/03	65.5	50	5.0	0.5
Mercury	01/31/03	ND	2	0.20	0.15
Nickel	01/27/03	2.87	100	5.0	1.0
Potassium	01/27/03	9430	NLE	200	40.0
Selenium	01/27/03	ND	50	10	3.0
Silver	01/27/03	ND	20	5.0	1.0
Sodium	01/27/03	8490	50000	200	20.0
Thallium	01/27/03	ND	10	10	2.0
Vanadium	01/27/03	ND	NLE	5.0	0.5
Zinc	01/27/03	72.6	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3003212
 Sample Received: 01/22/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW19

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	01/27/03	33.7	200	100	10.0
Antimony	01/27/03	ND	20	10	2.0
Arsenic	01/27/03	ND	8	5.0	2.0
Barium	01/27/03	48.0	2000	10	0.5
Beryllium	01/27/03	ND	20	0.25	0.5
Cadmium	01/27/03	0.735	4	1.0	0.5
Calcium	01/27/03	22900	NLE	100	20.0
Chromium	01/27/03	0.711	100	10	0.5
Cobalt	01/27/03	ND	NLE	5.0	0.5
Copper	01/27/03	2.57	1000	10	2.0
Iron	01/27/03	11700	300	200	10.0
Lead	01/27/03	ND	10	5.0	1.0
Magnesium	01/27/03	4160	NLE	100	10.0
Manganese	01/27/03	55.0	50	5.0	0.5
Mercury	01/31/03	ND	2	0.20	0.15
Nickel	01/27/03	ND	100	5.0	1.0
Potassium	01/27/03	8120	NLE	200	40.0
Selenium	01/27/03	ND	50	10	3.0
Silver	01/27/03	ND	20	5.0	1.0
Sodium	01/27/03	8420	50000	200	20.0
Thallium	01/27/03	ND	10	10	2.0
Vanadium	01/27/03	ND	NLE	5.0	0.5
Zinc	01/27/03	7.41	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3003213
 Sample Received: 01/22/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW20

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	01/27/03	109	200	100	10.0
Antimony	01/27/03	ND	20	10	2.0
Arsenic	01/27/03	ND	8	5.0	2.0
Barium	01/27/03	9.36	2000	10	0.5
Beryllium	01/27/03	ND	20	0.25	0.5
Cadmium	01/27/03	ND	4	1.0	0.5
Calcium	01/27/03	17100	NLE	100	20.0
Chromium	01/27/03	1.40	100	10	0.5
Cobalt	01/27/03	ND	NLE	5.0	0.5
Copper	01/27/03	ND	1000	10	2.0
Iron	01/27/03	292	300	200	10.0
Lead	01/27/03	ND	10	5.0	1.0
Magnesium	01/27/03	5050	NLE	100	10.0
Manganese	01/27/03	9.34	50	5.0	0.5
Mercury	01/31/03	ND	2	0.20	0.15
Nickel	01/27/03	1.53	100	5.0	1.0
Potassium	01/27/03	2440	NLE	200	40.0
Selenium	01/27/03	ND	50	10	3.0
Silver	01/27/03	ND	20	5.0	1.0
Sodium	01/27/03	57200	50000	200	20.0
Thallium	01/27/03	ND	10	10	2.0
Vanadium	01/27/03	1.04	NLE	5.0	0.5
Zinc	01/27/03	6.89	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3003214
 Sample Received: 01/22/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW23

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	01/27/03	6920	200	100	10.0
Antimony	01/27/03	ND	20	10	2.0
Arsenic	01/27/03	86.7	8	5.0	2.0
Barium	01/27/03	39.1	2000	10	0.5
Beryllium	01/27/03	0.570	20	0.25	0.5
Cadmium	01/27/03	8.11	4	1.0	0.5
Calcium	01/27/03	19300	NLE	100	20.0
Chromium	01/27/03	72.5	100	10	0.5
Cobalt	01/27/03	4.67	NLE	5.0	0.5
Copper	01/27/03	ND	1000	10	2.0
Iron	01/27/03	137000	300	200	10.0
Lead	01/27/03	8.02	10	5.0	1.0
Magnesium	01/27/03	5710	NLE	100	10.0
Manganese	01/27/03	49.2	50	5.0	0.5
Mercury	01/31/03	ND	2	0.20	0.15
Nickel	01/27/03	3.96	100	5.0	1.0
Potassium	01/27/03	5610	NLE	200	40.0
Selenium	01/27/03	ND	50	10	3.0
Silver	01/27/03	ND	20	5.0	1.0
Sodium	01/27/03	96300	50000	200	20.0
Thallium	01/27/03	ND	10	10	2.0
Vanadium	01/27/03	50.0	NLE	5.0	0.5
Zinc	01/27/03	35.3	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3003215
 Sample Received: 01/22/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: 00M5MW25

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	01/27/03	185	200	100	10.0
Antimony	01/27/03	ND	20	10	2.0
Arsenic	01/27/03	2.72	8	5.0	2.0
Barium	01/27/03	50.5	2000	10	0.5
Beryllium	01/27/03	ND	20	0.25	0.5
Cadmium	01/27/03	1.53	4	1.0	0.5
Calcium	01/27/03	12200	NLE	100	20.0
Chromium	01/27/03	7.09	100	10	0.5
Cobalt	01/27/03	1.99	NLE	5.0	0.5
Copper	01/27/03	30.8	1000	10	2.0
Iron	01/27/03	12400	300	200	10.0
Lead	01/27/03	ND	10	5.0	1.0
Magnesium	01/27/03	4550	NLE	100	10.0
Manganese	01/27/03	41.7	50	5.0	0.5
Mercury	01/31/03	ND	2	0.20	0.15
Nickel	01/27/03	13.1	100	5.0	1.0
Potassium	01/27/03	3550	NLE	200	40.0
Selenium	01/27/03	ND	50	10	3.0
Silver	01/27/03	ND	20	5.0	1.0
Sodium	01/27/03	43500	50000	200	20.0
Thallium	01/27/03	ND	10	10	2.0
Vanadium	01/27/03	1.08	NLE	5.0	0.5
Zinc	01/27/03	380	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

Lab	Iron	Manganese	Aluminum	Calcium	Lead	Magnesium	Potassium	Sodium	Depth to Water	Notes
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	300	50	200	NILE	10	NLE	NLE	50000	-	-
05/08/1997	4080	87	-	-	-	-	-	-	4.20	V,S,P,M
08/08/1997	1680	59	-	-	-	-	-	-	4.40	V,S,P,M
10/29/1997	7386	200	105	31340	8	16140	13450	82150	4.30	V,S,P,M
02/18/1998	4899	138	96	17870	ND	14860	11160	114800	3.00	V,S,P,M
05/06/1998	6027	75	60.1	8165	ND	5989	6453	39780	3.90	V,S,P,M
08/04/1998	2850	35.4	103	10300	ND	12500	22700	23400	4.54	V,S,P,M
10/27/1998	3690	47.8	106	12900	2.45	13400	20700	29100	5.03	V,S,P,M
02/02/1999	8760	175	ND	15200	ND	6920	3300	42400	4.07	V,S,P,M
04/13/1999	6110	135	43.9	13100	3.79	8050	6350	35200	3.81	V,S,P,M
09/13/1999	4330	66.7	ND	14400	ND	14600	15100	47100	4.83	V,S,P,M
11/18/1999	5880	33.6	21.4	9270	ND	11400	15500	22900	4.65	V,S,P,M
03/03/2000	11700	166	404	18200	14.9	12800	17000	44200	4.53	V,S,P,M
05/31/2000	6360	86.8	429	11800	8.36	9970	18800	30900	4.30	V,S,P,M
08/21/2000	5940	218	259	19600	3.56	9610	10700	49800	4.43	V,S,P,M
12/11/2000	3250	92.2	86.1	13400	ND	9600	14800	29900	4.57	V,S,P,M
03/19/2001	23600	796	80	35400	ND	27300	8.25	175000	4.37	V,S,P,M
06/05/2001	14200	237	ND	16200	4.50	14100	12300	39400	4.32	V,S,P,M
09/05/2001	4130	76.8	ND	11300	ND	14500	15400	42300	4.89	V,S,P,M
10/04/2001	27400	1180	ND	138000	3.33	142000	50600	996000	4.29	V,S,P,M
01/14/2002	14400	524	25.5	36400	3.42	30200	15900	169000	4.96	V,S,P,M
04/23/2002	10000	112	79.8	13900	3.07	14700	13600	49100	4.93	V,S,P,M
08/21/2002	1460	62.3	246	14800	ND	14100	15300	91200	4.94	V,S,P,M
10/28/2002	6260	304	281	15700	4.45	9840	7580	57600	4.14	V,S,P,M
01/22/2003	17100	252	306	14900	3.39	10800	7500	43100	4.43	V,S,P,M

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 3 of 14

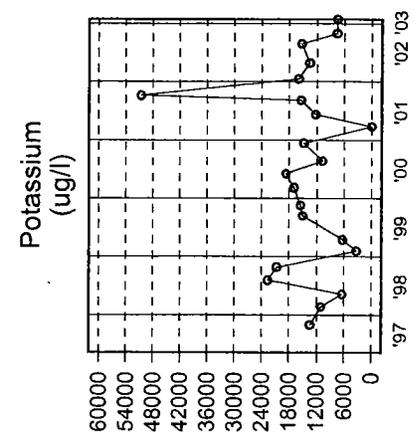
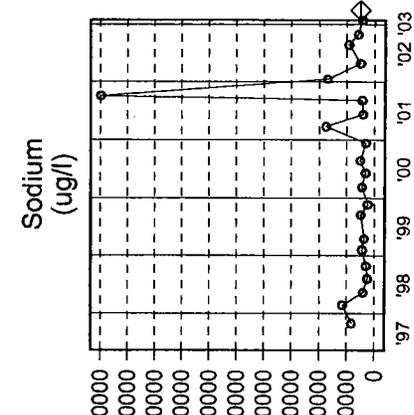
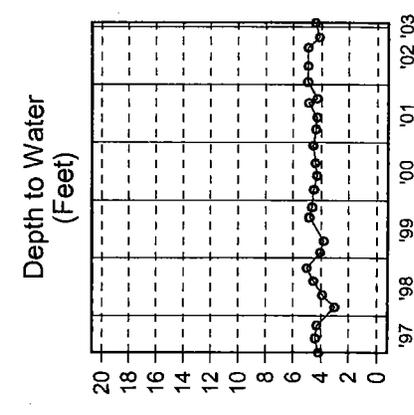
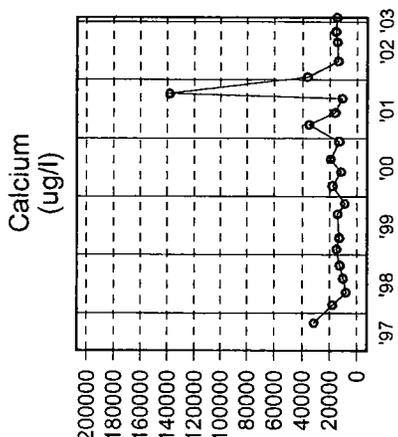
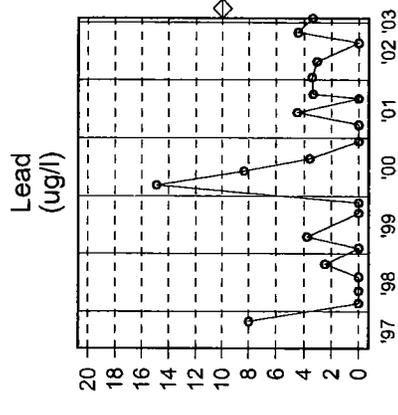
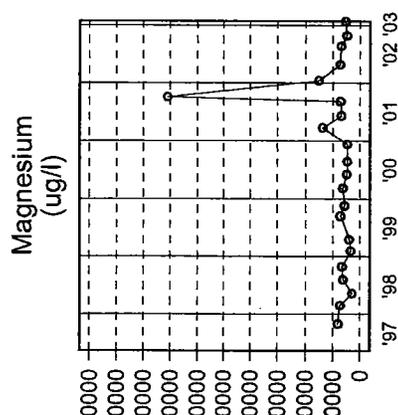
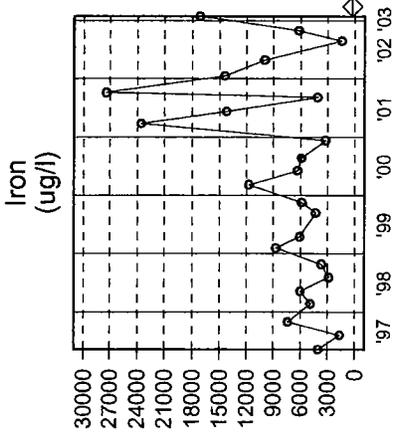
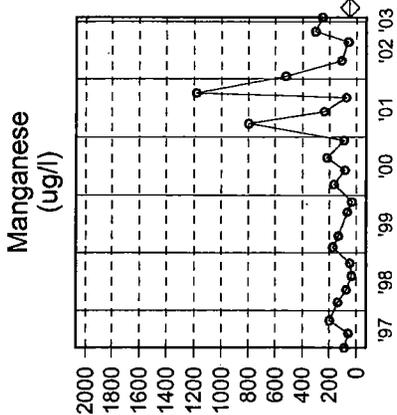
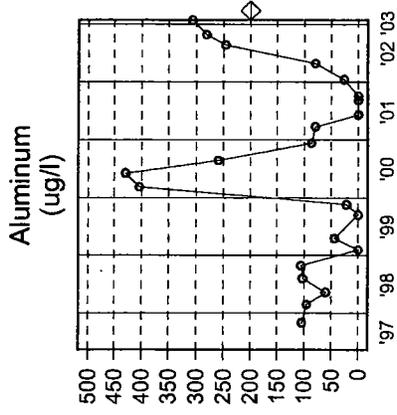
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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW10

Sampling Dates:
05/08/1997 - 01/22/2003



LEGEND:

PARAMETER
o = Date Sampled
◊ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 3 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW11

Sampling Dates:
05/08/1997 - 01/22/2003

NOTES:

Units:	Lab	2-Butan one	cis-1,2-Dichloro ethene	Tri chloro ethene	Tetra chloro ethene	Iron	Manganese	Aluminum	Sodium	Depth to Water	Notes
NJDEP Criteria:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
05/08/1997	FMETL	ND	ND	ND	63	4060	85	-	-	7.10	V,S,P,M
08/08/1997	FMETL	ND	ND	ND	58	110	66	-	-	7.70	V,S,P,M
10/29/1997	FMETL	ND	ND	ND	65	1551	12.7	669	19220	7.75	V,S,P,M
02/18/1998	FMETL	ND	ND	ND	39	305	32	222	14550	6.65	V,S,P,M
05/06/1998	FMETL	ND	ND	ND	24.39	58	6.4	ND	14570	6.80	V,S,P,M
08/04/1998	FMETL	2.92	ND	ND	18.37	1500	16.9	4570	20800	7.91	V,S,P,M
10/27/1998	FMETL	ND	ND	ND	52.64	184	7.74	78.8	10200	8.51	V,S,P,M
02/02/1999	FMETL	ND	ND	ND	5.16	1670	44.4	267	22300	6.99	V,S,P,M
04/13/1999	FMETL	ND	ND	ND	33.38	227	9.71	92.9	12400	7.16	V,S,P,M
09/13/1999	FMETL	ND	ND	ND	49.25	680	16.5	ND	45900	8.35	V,S,P,M
11/18/1999	FMETL	ND	ND	ND	74.12	30.5	ND	ND	2150	7.62	V,S,P,M
03/03/2000	FMETL	ND	ND	ND	30.62	330	9.56	189	8380	7.21	V,S,P,M
05/31/2000	FMETL	ND	ND	ND	13.38	657	10.1	76.2	14000	7.28	V,S,P,M
08/21/2000	FMETL	ND	ND	ND	18.79	438	38.8	350	18900	6.97	V,S,P,M
08/21/2000D	FMETL	ND	ND	ND	19.64	583	38	414	19900	6.97	V,S,P,M
12/11/2000	FMETL	7.89	ND	ND	18.86	5580	24.4	279	16100	7.43	V,S,P,M
12/11/2000D	FMETL	9.66	ND	ND	17.98	5610	25.4	260	16200	7.43	V,S,P,M
03/19/2001	FMETL	ND	ND	ND	11.01	35200	17.7	240	14300	6.77	V,S,P,M
06/05/2001	FMETL	ND	ND	ND	11.27	6590	31.9	ND	20000	7.26	V,S,P,M
09/05/2001	FMETL	ND	6.64	1.28	6.11	31100	93.3	ND	35300	8.05	V,S,P,M
10/04/2001	FMETL	ND	ND	1.05	15.13	18500	62.7	75.2	37100	7.88	V,S,P,M
01/14/2002	FMETL	ND	ND	1.40	19.04	10400	174	31.1	31700	7.83	V,S,P,M
04/23/2002	FMETL	ND	ND	ND	14.43	7850	34.2	48.1	27500	7.54	V,S,P,M
08/21/2002	FMETL	370.61	7.39	ND	8.90	18000	61.3	137	25000	8.25	V,S,P,M
10/28/2002	FMETL	ND	ND	ND	8.14	2240	15.8	111	13000	6.81	V,S,P,M
01/22/2003	FMETL	ND	ND	1.06	5.20	5250	15.6	202	13400	7.00	V,S,P,M

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 4 of 14

Ag in blank > GW Criteria for 5/8/97.

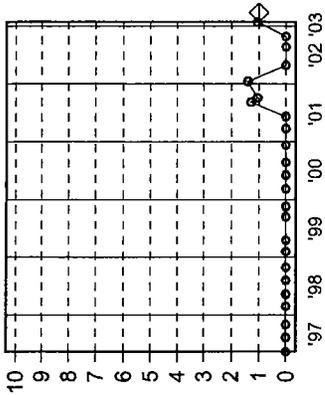


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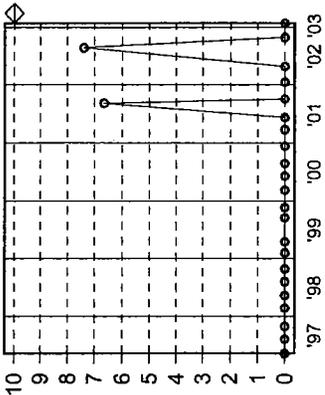
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05/08/1997 - 01/22/2003

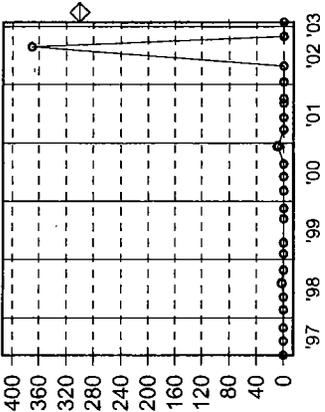
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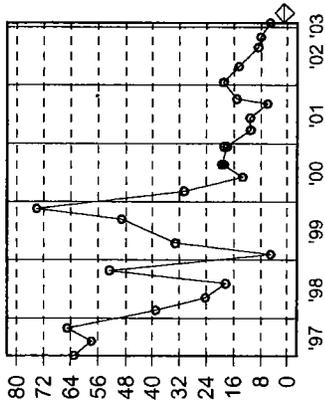
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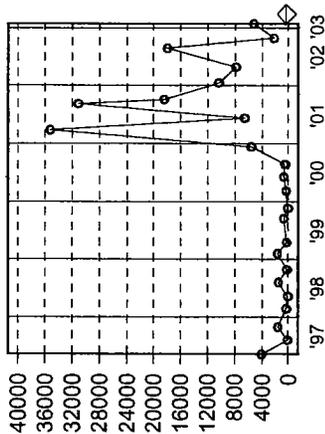
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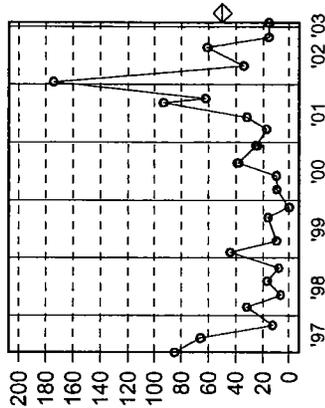
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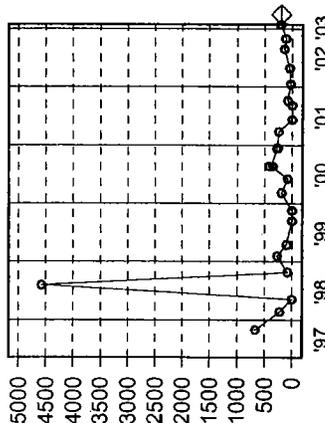
Iron (ug/l)



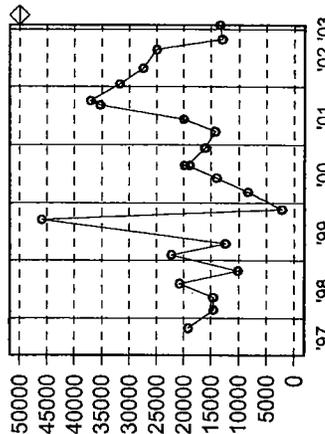
Manganese (ug/l)



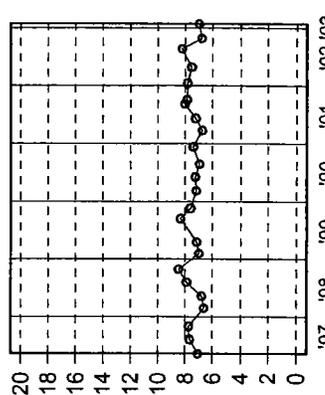
Aluminum (ug/l)



Sodium (ug/l)



Depth to Water (Feet)



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING Bldg. M-5

Source 4 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW12

Sampling Dates:
10/07/1998 - 01/22/2003

NOTES:
Well installed 9/98.

FORT MONMOUTH

GW MONITORING
Bldg. M-5
Source 5 of 14

Ag in blank > GW Criteria for 5/8/97.

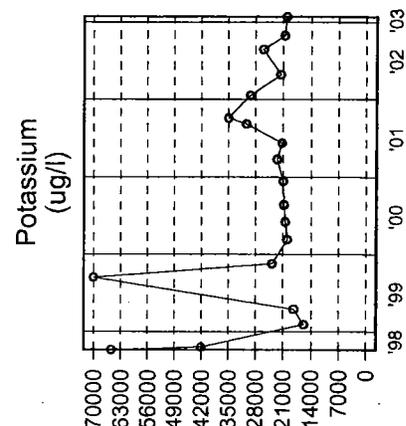
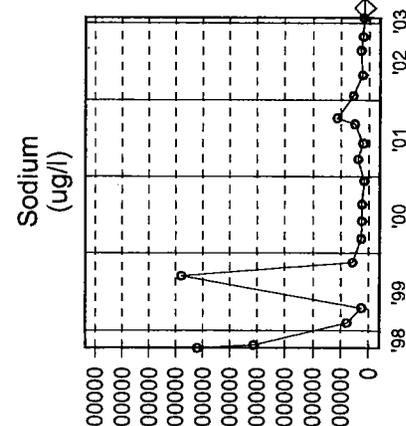
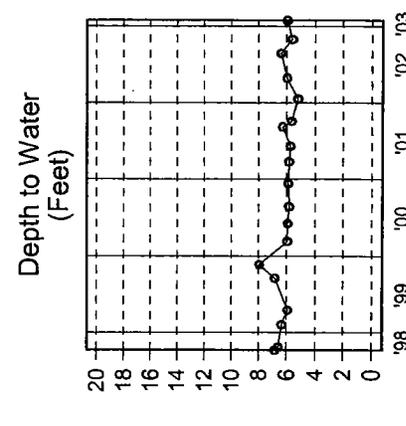
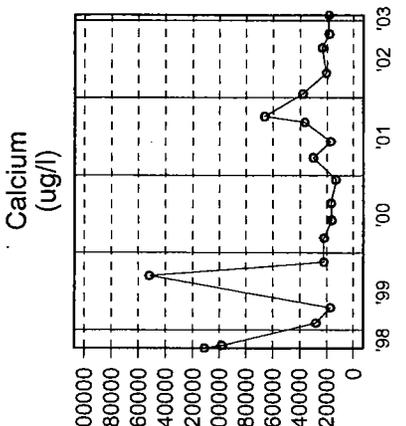
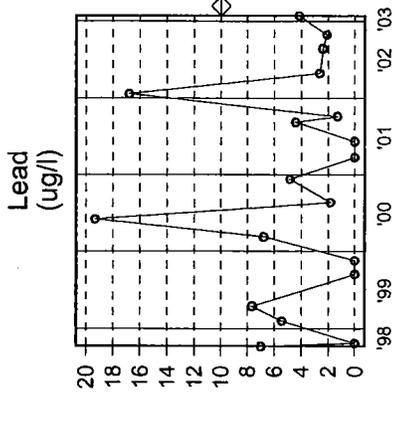
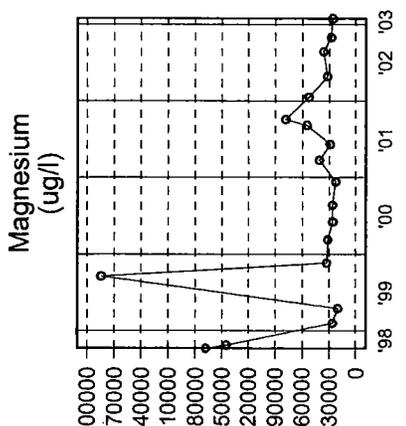
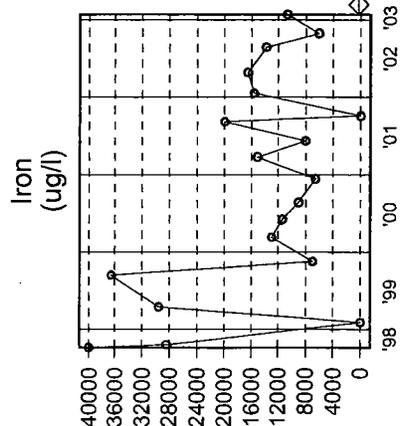
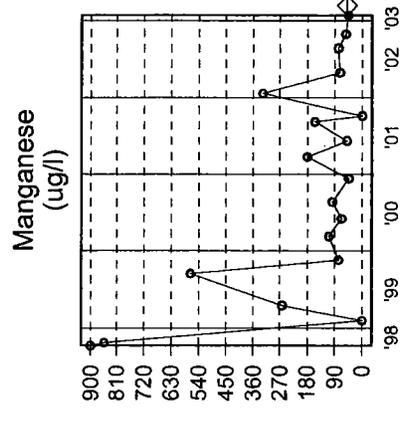
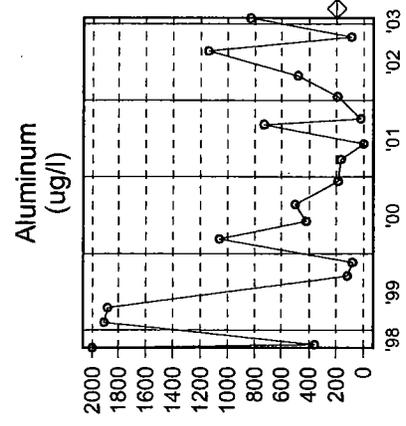
**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

Units:	Lab	Iron	Manganese	Aluminum	Calcium	Lead	Magnesium	Potassium	Sodium	Depth to Water	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
10/07/1998	FMETL	51400	1340	3310	111000	7	168000	65300	1860000	6.86	V,S,P,M
10/21/1998	FMETL	28400	853	359	98000	ND	145000	42100	1240000	6.62	V,S,P,M
02/02/1999	FMETL	ND	ND	1910	28200	5.45	26300	15900	235000	6.36	V,S,P,M
04/13/1999	FMETL	29500	263	1880	17400	7.66	20500	18300	75300	5.92	V,S,P,M
09/13/1999	FMETL	36500	566	119	152000	ND	284000	89200	2040000	6.86	V,S,P,M
11/18/1999	FMETL	7020	76.9	80.9	22300	ND	32800	23800	171000	7.96	V,SP,M
03/06/2000	FMETL	13000	109	1060	22200	6.78	31800	20000	77000	5.95	V,S,P,M
05/31/2000	FMETL	11400	67.9	422	16500	19.3	26200	20500	71800	5.93	V,S,P,M
08/21/2000	FMETL	9060	97	503	16600	1.83	26300	20800	72600	5.84	V,S,P,M
12/11/2000	FMETL	6620	43.8	189	13400	4.85	22900	21100	46000	5.89	V,S,P,M
03/19/2001	FMETL	15100	181	170	30300	ND	41100	22600	114000	5.83	V,S,P,M
06/05/2001	FMETL	8030	50.8	ND	17300	ND	28900	21300	57000	5.73	V,S,P,M
09/05/2001	FMETL	19900	155	732	36700	4.43	55000	30400	149000	6.29	V,S,P,M
10/04/2001	FMETL	ND	ND	24.6	66500	1.30	78500	35000	341000	5.64	V,S,P,M
01/14/2002	FMETL	15600	328	192	38200	16.8	52800	29400	169000	5.21	V,S,P,M
04/23/2002	FMETL	16500	72.4	481	20700	2.64	32200	21700	64000	5.98	V,S,P,M
08/21/2002	FMETL	13800	78.1	1140	23700	2.40	36300	26000	82500	6.41	V,S,P,M
10/28/2002	FMETL	6090	54.6	90.9	18600	2.12	27700	20700	61100	5.60	V,S,P,M
01/22/2003	FMETL	10700	45.9	830	18900	4.16	25900	20100	53500	5.95	V,S,P,M

SOURCE: 00M5MW12

Sampling Dates:

10/07/1998 - 01/22/2003



LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 5 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW13

Sampling Dates:
10/21/1998 - 01/22/2003

NOTES:
Well installed 9/98.

Units:	Lab	Iron	Manganese	Aluminum	Calcium	Lead	Magnesium	Potassium	Sodium	Depth to Water	Notes
NJDEP Criteria:	-	ug/l 300	ug/l 50	ug/l 200	ug/l NLE	ug/l 10	ug/l NLE	ug/l NLE	ug/l 50000	Feet -	-
10/21/1998	FMETL	11700	203	287	67000	ND	112000	46400	1030000	3.75	V,S,P,M
02/02/1999	FMETL	9810	137	244	13700	17.6	9990	5090	80100	2.67	V,S,P,M
04/13/1999	FMETL	1170	18.4	64.8	35100	2.37	17700	13100	7630	2.48	V,S,P,M
09/13/1999	FMETL	9520	203	225	130000	ND	324000	114000	2690000	3.41	V,S,P,M
11/18/1999	FMETL	9860	87.8	901	16200	3.04	17300	15100	103000	3.40	V,S,P,M
03/06/2000	FMETL	26300	366	282	34300	3.62	27100	15000	121000	2.64	V,S,P,M
05/31/2000	FMETL	12900	173	174	20100	ND	17100	11000	88700	2.54	V,S,P,M
08/21/2000	FMETL	7170	261	301	20000	2.49	15400	8380	88900	2.39	V,S,P,M
12/11/2000	FMETL	16500	255	128	20500	11.7	15700	10400	61200	2.68	V,S,P,M
03/19/2001	FMETL	24200	717	510	34400	ND	23300	68800	149000	2.23	V,S,P,M
06/05/2001	FMETL	12100	357	ND	22700	ND	16600	8050	81400	2.44	V,S,P,M
09/05/2001	FMETL	17300	348	711	33900	5.36	24800	14200	96300	3.12	V,S,P,M
10/04/2001	FMETL	27000	880	16.0	59600	284	51900	21300	331000	2.24	V,S,P,M
01/14/2002	FMETL	33300	1030	66.5	53500	1.81	44000	16700	286000	2.53	V,S,P,M
04/23/2002	FMETL	25200	391	606	32000	11.1	25000	12300	152000	2.73	V,S,P,M
08/21/2002	FMETL	11900	237	179	28900	ND	23300	14400	108000	3.32	V,S,P,M
10/28/2002	FMETL	10900	364	132	21700	2.02	15500	6960	92700	2.08	V,S,P,M
01/22/2003	FMETL	29600	339	246	19100	3.26	11300	5090	67000	2.37	V,S,P,M

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 6 of 14

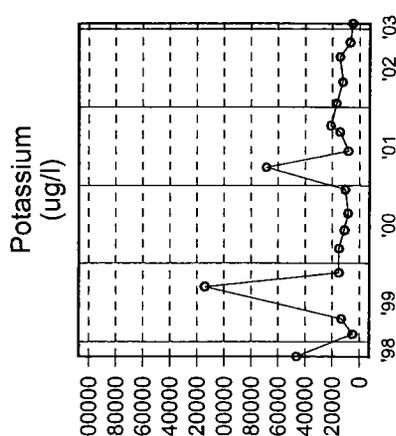
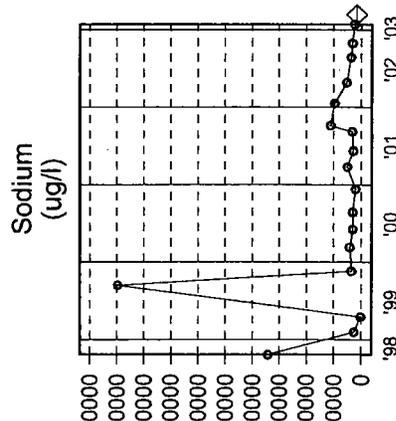
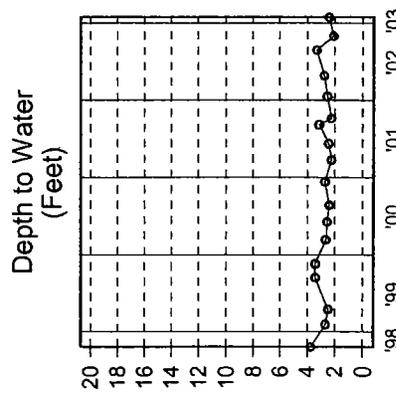
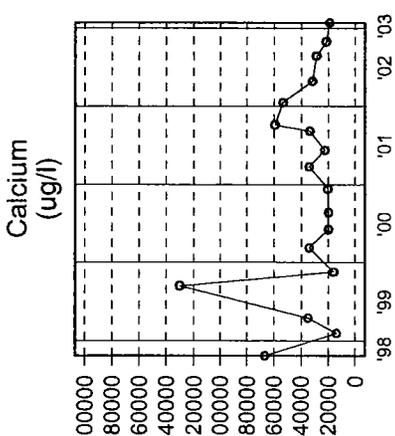
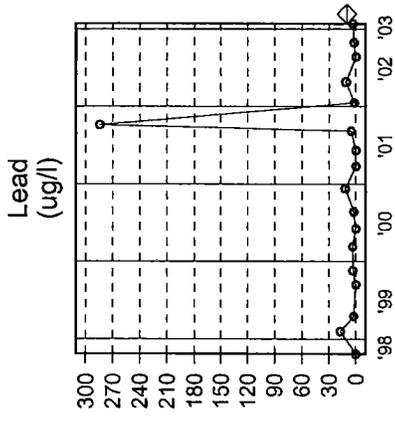
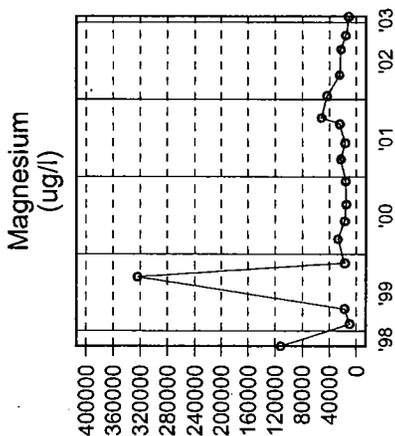
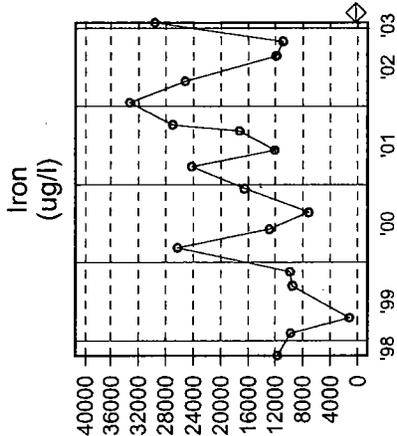
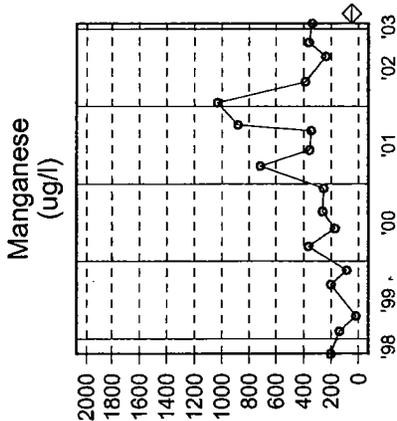
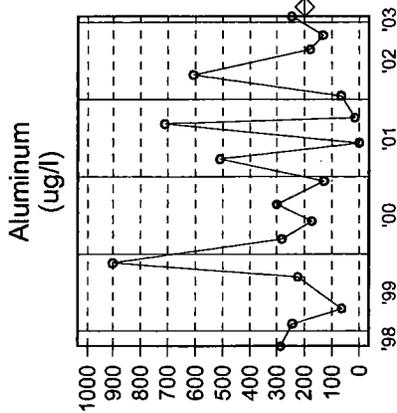
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SOURCE: 00M5MW13

Sampling Dates:

10/21/1998 - 01/22/2003



LEGEND:

PARAMETER

o = Date Sampled

◇ = NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 6 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



SOURCE: 00M5MW14

Sampling Dates:
10/07/1998 - 01/22/2003

NOTES:
Well installed 9/98.

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 7 of 14

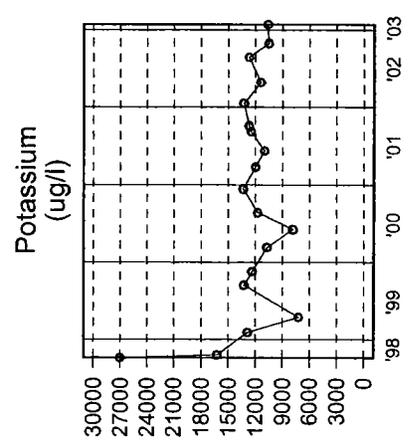
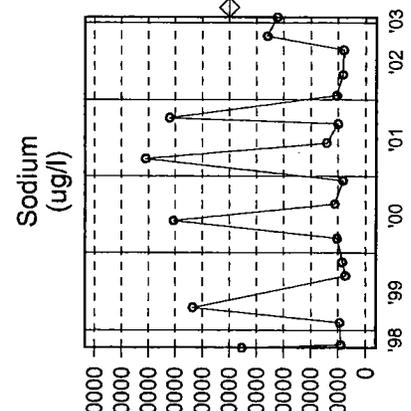
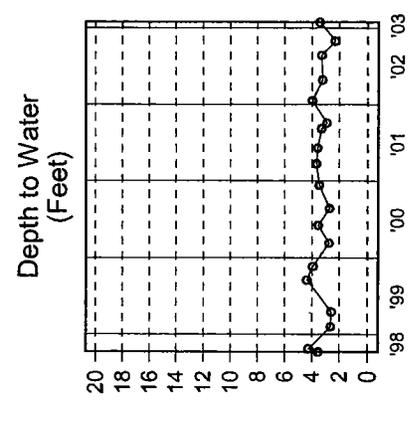
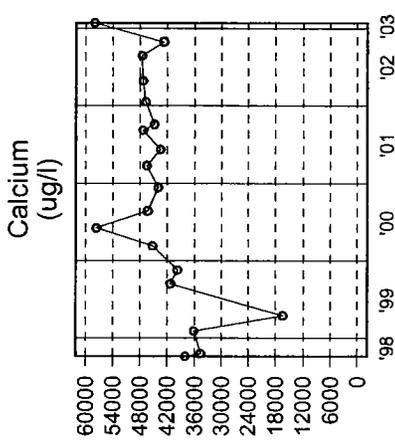
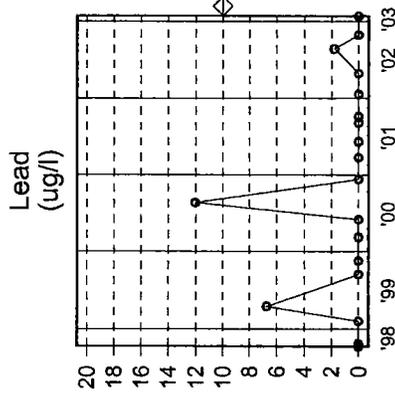
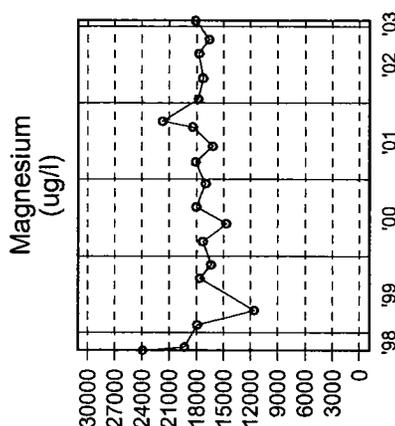
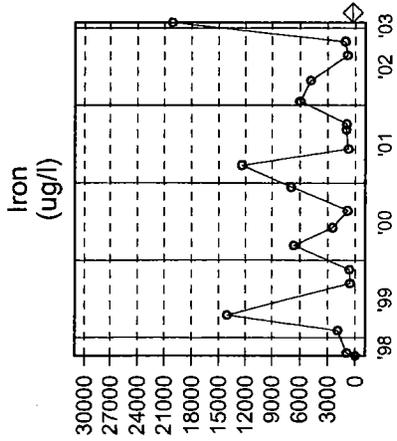
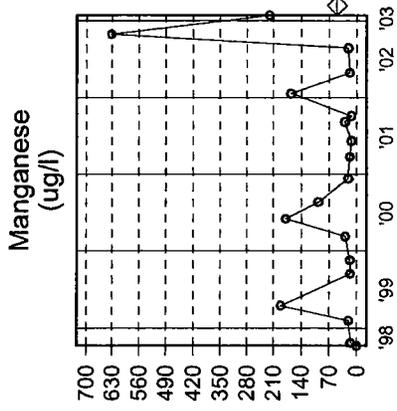
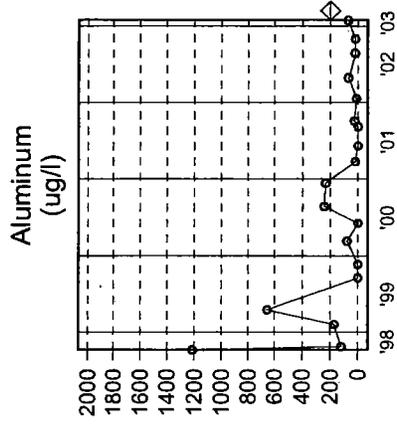
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 **U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

Units:	Lab	Iron	Manganese	Aluminum	Calcium	Lead	Magnesium	Potassium	Sodium	Depth to Water	Notes
NJDEP Criteria:	-	ug/l 300	ug/l 50	ug/l 200	ug/l NLE	ug/l 10	ug/l NLE	ug/l NLE	ug/l 50000	Feet	-
10/07/1998	FMETL	ND	ND	1210	38000	ND	23900	27000	45400	3.54	V,S,P,M
10/21/1998	FMETL	911	15	120	34600	ND	19300	16200	8970	4.24	V,S,P,M
02/02/1999	FMETL	1910	20.7	172	36100	ND	17900	12900	9450	2.63	V,S,P,M
04/13/1999	FMETL	14000	191	658	16400	6.77	11600	7220	63400	2.57	V,S,P,M
09/13/1999	FMETL	571	16.4	ND	41300	ND	17600	13300	7290	4.35	V,S,P,M
11/18/1999	FMETL	639	17.9	ND	39700	ND	16400	12400	8460	3.92	V,S,P,M
03/06/2000	FMETL	6660	29.1	79.2	45200	ND	17300	10700	10300	2.75	V,S,P,M
05/31/2000	FMETL	2480	178	ND	57600	ND	14700	7850	70700	3.55	V,S,P,M
08/21/2000	FMETL	844	96.3	242	46300	12	18000	11800	11200	2.71	V,S,P,M
12/11/2000	FMETL	6920	21.5	234	44000	ND	17000	13400	8240	3.48	V,S,P,M
03/19/2001	FMETL	12400	18.4	20.0	46500	ND	18100	12000	81000	3.66	V,S,P,M
06/05/2001	FMETL	758	14.3	ND	43500	ND	16200	11000	14200	3.57	V,S,P,M
09/05/2001	FMETL	987	30.0	ND	47300	ND	18400	12500	10000	3.30	V,S,P,M
10/04/2001	FMETL	953	14.2	27.2	44800	ND	21700	12700	72000	2.91	V,S,P,M
01/14/2002	FMETL	6010	165	11.7	46700	ND	17800	13300	10500	3.97	V,S,P,M
04/23/2002	FMETL	4850	18.5	69.0	47300	ND	17300	11400	8250	3.23	V,S,P,M
08/21/2002	FMETL	874	21.5	21.2	47600	1.81	17700	12700	7910	3.29	V,S,P,M
10/28/2002	FMETL	1110	632	18.3	42700	ND	16600	10500	36000	2.29	V,S,P,M
01/22/2003	FMETL	20100	221	72.5	57900	ND	18100	10600	32400	3.42	V,S,P,M

SOURCE: 00M5MW14

Sampling Dates:
10/07/1998 - 01/22/2003



LEGEND:

PARAMETER
○ = Date Sampled
◊ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 7 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW15

Sampling Dates:
04/14/1999 - 01/22/2003

NOTES:
Installed 3/99

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 8 of 14

Ag in blank > GW Criteria for 5/8/97.

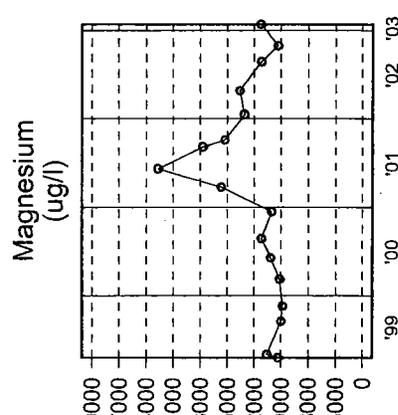
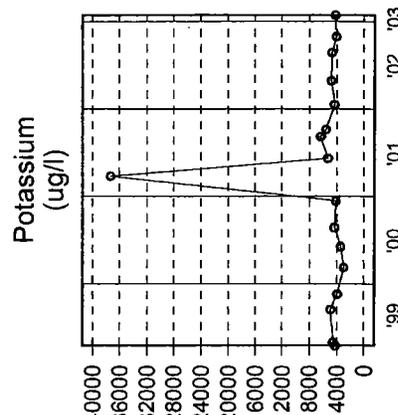
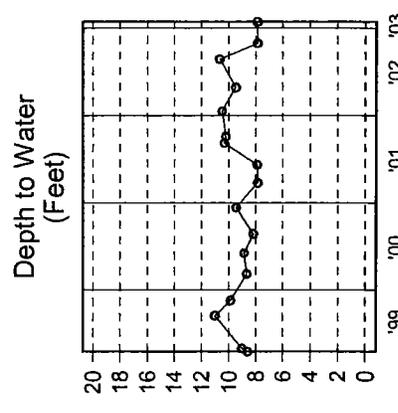
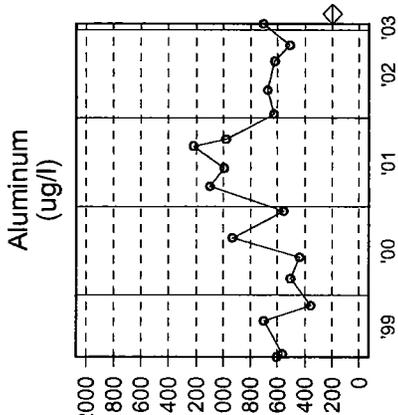
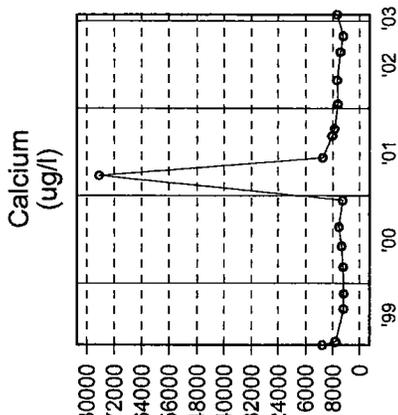
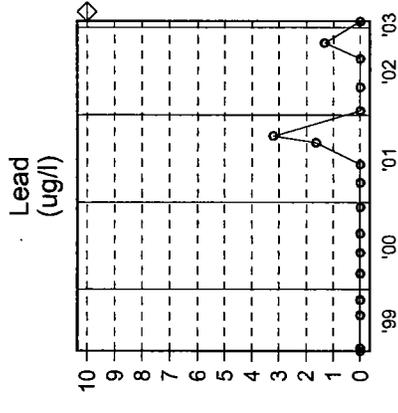
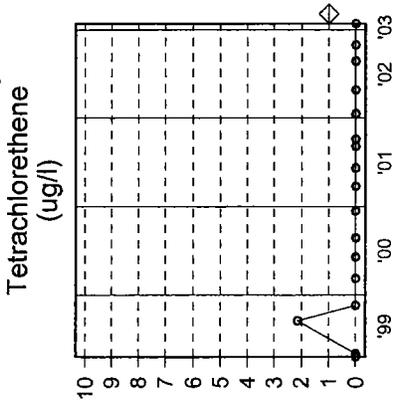
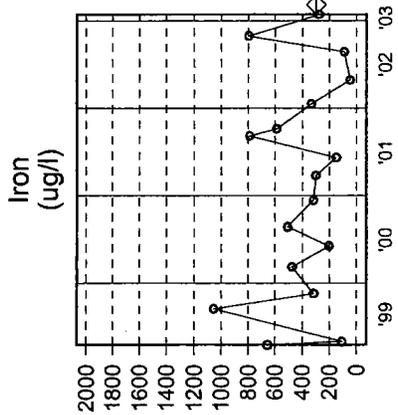
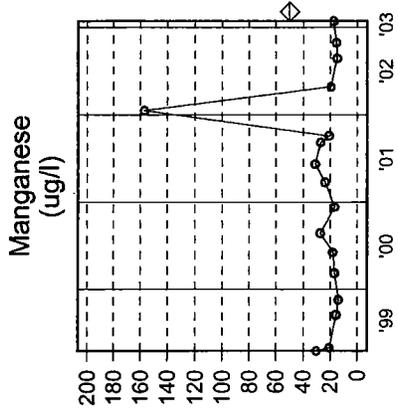
**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

Units:	Lab	Tetra chloro ethene	Iron	Manganese	Aluminum	Calcium	Lead	Magnesium	Potassium	Depth to Water	Notes
NJDEP Criteria:	-	1	300	50	200	NLE	10	NLE	NLE	Feet	-
04/14/1999	FMETL	ND	654	30.2	606	11100	ND	9370	4240	8.59	V,S,P,M
04/28/1999	FMETL	ND	108	20.7	564	7240	ND	10600	4540	9.04	V,S,P,M
09/14/1999	FMETL	2.15	1050	15.7	702	4890	ND	9050	4920	11.03	V,S,P,M
11/18/1999	FMETL	ND	316	13.9	357	4760	ND	8870	3950	9.87	V,S,P,M
03/03/2000	FMETL	ND	477	16.8	508	4970	ND	9190	2950	8.68	V,S,P,M
05/31/2000	FMETL	ND	203	18.2	441	5450	ND	10200	3410	8.88	V,S,P,M
08/21/2000	FMETL	ND	510	27.3	933	6170	ND	11200	4330	8.21	V,S,P,M
12/11/2000	FMETL	ND	319	16.7	556	5040	ND	10100	4120	9.48	V,S,P,M
03/19/2001	FMETL	ND	300	23.9	1100	76300	ND	15700	37300	7.88	V,S,P,M
06/05/2001	FMETL	ND	150	31.1	996	11000	ND	22700	5270	7.93	V,S,P,M
09/05/2001	FMETL	ND	788	27.1	1220	8180	1.64	17700	6310	10.35	V,S,P,M
10/04/2001	FMETL	ND	588	21.0	981	7560	3.22	15300	5570	10.24	V,S,P,M
01/14/2002	FMETL	ND	334	157	629	6610	ND	13100	4310	10.51	V,S,P,M
04/23/2002	FMETL	ND	48.2	19.5	676	6720	ND	13600	4740	9.49	V,S,P,M
08/21/2002	FMETL	ND	93.6	14.9	624	5850	ND	11200	4700	10.70	V,S,P,M
10/28/2002	FMETL	ND	797	15.5	511	4980	1.32	9370	4040	7.87	V,S,P,M
01/22/2003	FMETL	ND	276	17.5	708	6770	ND	11300	4210	7.91	V,S,P,M

SOURCE: 00M5MW15

Sampling Dates:

04/14/1999 - 01/22/2003



LEGEND:

PARAMETER

- o = Date Sampled
- ◇ = NJDEP Criteria

FORT MONMOUTH

GW MONITORING

Bldg. M-5

Source 8 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



SOURCE: 00M5MW16
 Sampling Dates:
 04/14/1999 - 01/22/2003

NOTES:
 Installed 3/99.

FORT MONMOUTH

GW MONITORING
 Bldg. M-5
 Source 9 of 14

Ag in blank > GW Criteria for 5/8/97.

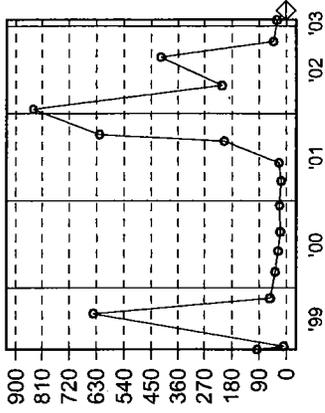
Units:	Lab	cis-1,2-Dichloro ethene	Tri chloro ethene	Tetra chloro ethene	Iron	Manganese	Aluminum	Chromium	Nickel	Depth to Water	Notes
ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	
NUDEP Criteria:	-	10	1	1	300	50	200	100	100	-	-
04/14/1999	FMETL	ND	ND	96.37	4770	29.2	1030	8.33	6.65	6.96	V,S,P,M
04/28/1999	FMETL	ND	ND	8.35	11800	31.9	1240	8.43	5.88	7.26	V,S,P,M
09/14/1999	FMETL	ND	ND	639.7	11100	32.1	3510	37.4	10.8	8.66	V,S,P,M
11/18/1999	FMETL	ND	ND	54.42	9840	24.7	242	1.72	6.73	7.76	V,S,P,M
03/03/2000	FMETL	ND	ND	37.76	37800	119	848	3830	24700	7.00	V,S,P,M
05/31/2000	FMETL	ND	ND	27.79	10000	35.8	78.2	1.99	8.11	7.06	V,S,P,M
08/21/2000	FMETL	ND	ND	20.36	8060	49.3	293	ND	6.59	6.70	V,S,P,M
12/11/2000	FMETL	ND	ND	23.20	11400	33.2	258	ND	1.43	7.40	V,S,P,M
03/19/2001	FMETL	ND	ND	17.88	13000	73.0	220	15.1	22.0	6.37	V,S,P,M
06/05/2001	FMETL	ND	ND	24.47	14500	46.6	ND	0.982	10.5	7.02	V,S,P,M
09/05/2001	FMETL	ND	ND	205.77	14800	83.4	175	1.90	14.8	8.14	V,S,P,M
10/04/2001	FMETL	ND	ND	620.81	32100	83.0	1710	15.6	16.1	8.04	V,S,P,M
01/14/2002	FMETL	1.93	1.93	839.5	9910	197	863	2.73	20.3	8.04	V,S,P,M
04/23/2002	FMETL	69.44	35.84	213.53	10000	63.5	1010	5.39	15.1	7.52	V,S,P,M
08/21/2002	FMETL	3.38	ND	416.79	4560	112	1560	5.66	32.6	8.53	V,S,P,M
10/28/2002	FMETL	103.82	2.23	42.41	32300	85.6	446	7.10	15.3	6.84	V,S,P,M
01/22/2003	FMETL	22.02	1.36	31.09	14600	45.2	301	1.92	7.06	6.45	V,S,P,M



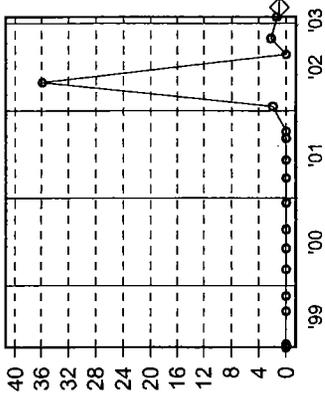
SOURCE: 00M5MW16

Sampling Dates:
04/14/1999 - 01/22/2003

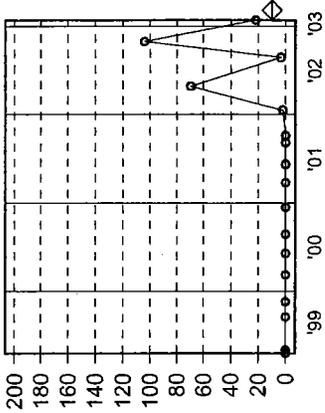
Tetrachlorethene
(ug/l)



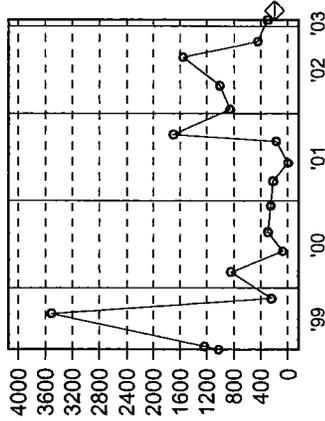
Trichloroethene
(ug/l)



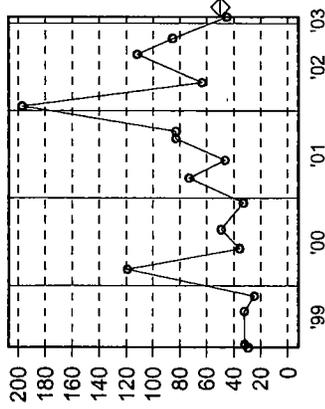
cis-1,2-Dichloroethene
(ug/l)



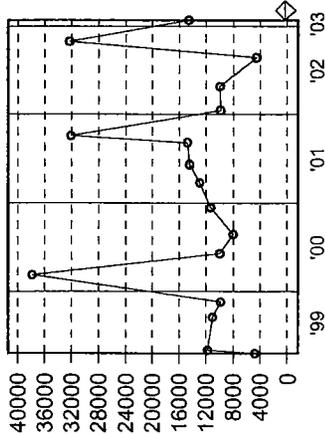
Aluminum
(ug/l)



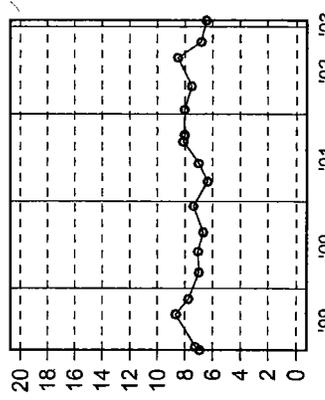
Manganese
(ug/l)



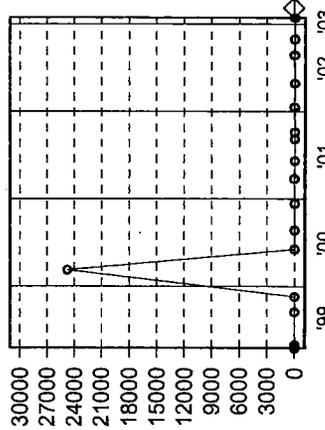
Iron
(ug/l)



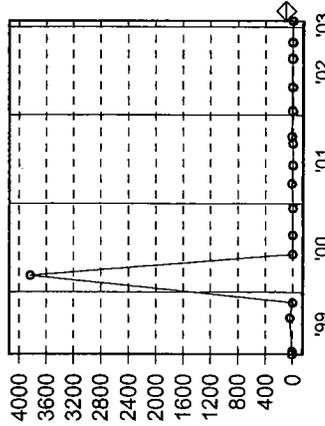
Depth to Water
(Feet)



Nickel
(ug/l)



Chromium
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 9 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW18
 Sampling Dates: 04/13/1999 - 01/22/2003
 NOTES:

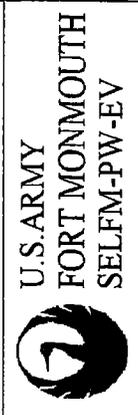
Units:	Lab	Tetra chloro ethene	Iron	Manganese	Aluminum	Barium	Lead	Magnesium	Potassium	Depth to Water	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
04/13/1999	FMETL	ND	6550	40.9	327	41.8	11.8	3380	6660	7.16	V,S,P,M
04/27/1999	FMETL	ND	8140	42.1	61.1	47	ND	3920	8150	7.68	V,S,P,M
09/14/1999	FMETL	ND	9640	65.8	541	104	ND	5800	7540	8.86	V,S,P,M
11/18/1999	FMETL	ND	10300	34.6	27	52.2	ND	2990	5610	8.02	V,S,P,M
03/03/2000	FMETL	ND	19800	48.6	131	115	ND	3840	6060	7.40	V,S,P,M
05/31/2000	FMETL	ND	16200	50.2	28.0	132	ND	3990	6690	7.48	V,S,P,M
08/21/2000	FMETL	ND	14900	53.7	325	83.3	1.89	4390	7580	7.12	V,S,P,M
12/11/2000	FMETL	ND	357000	88.4	942	3030	ND	4560	10300	7.71	V,S,P,M
03/19/2001	FMETL	ND	26200	59.1	60.0	182	ND	43600	67200	6.90	V,S,P,M
06/05/2001	FMETL	ND	98600	70.5	63.0	1690	3.08	4500	7740	7.39	V,S,P,M
09/05/2001	FMETL	ND	16500	69.7	38.3	177	1.14	5260	7770	8.39	V,S,P,M
10/04/2001	FMETL	2.95	21000	60.2	111	142	ND	4980	7770	8.30	V,S,P,M
01/14/2002	FMETL	1.34	18400	240	113	201	ND	7120	5170	8.33	V,S,P,M
04/23/2002	FMETL	ND	82000	66.8	541	752	1.35	4630	7760	7.75	V,S,P,M
08/21/2002	FMETL	ND	16500	49.0	162	119	ND	4080	7650	8.68	V,S,P,M
10/28/2002	FMETL	ND	13500	53.7	27.1	78.9	ND	4060	7280	6.76	V,S,P,M
01/22/2003	FMETL	ND	62100	65.5	293	561	4.38	4580	9430	6.99	V,S,P,M

FORT MONMOUTH

GW MONITORING
 Bldg. M-5

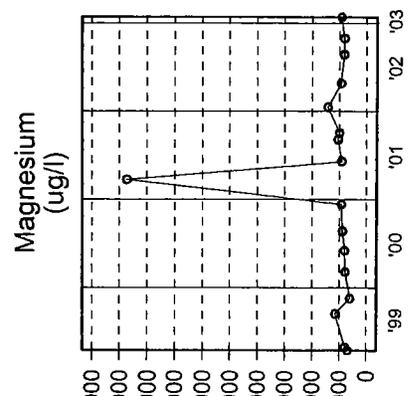
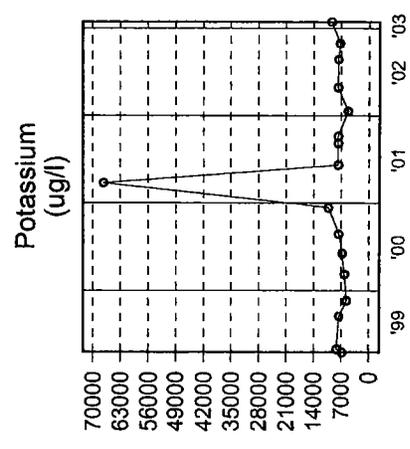
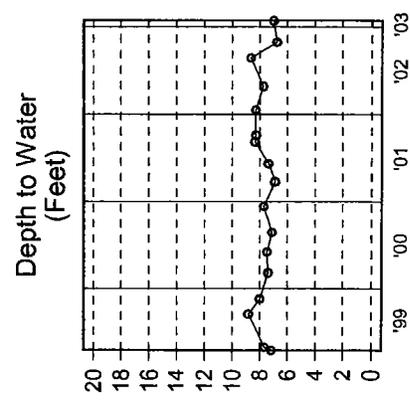
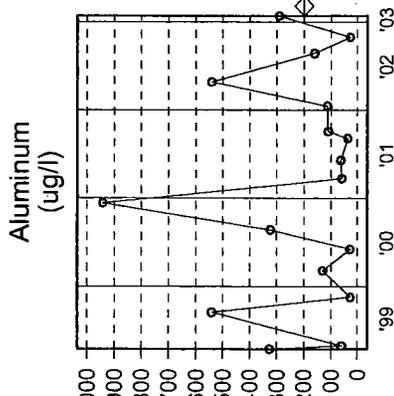
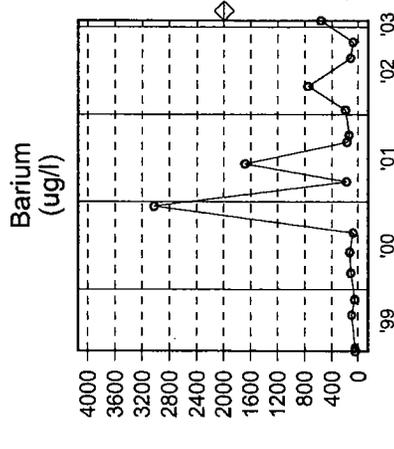
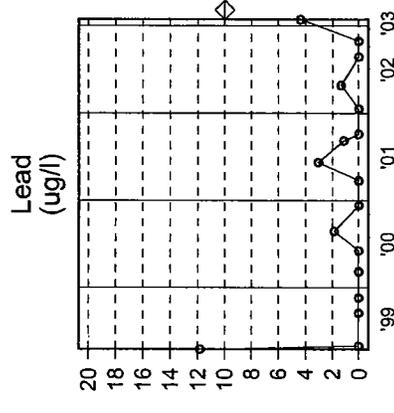
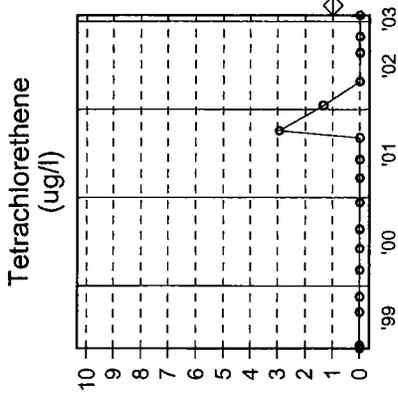
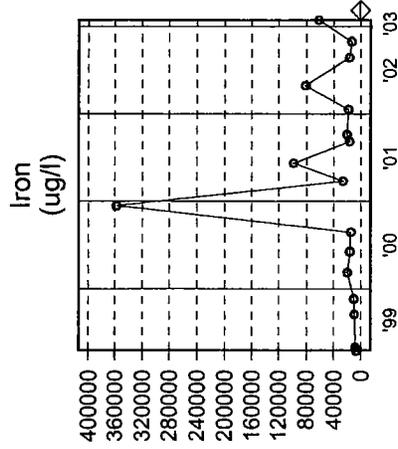
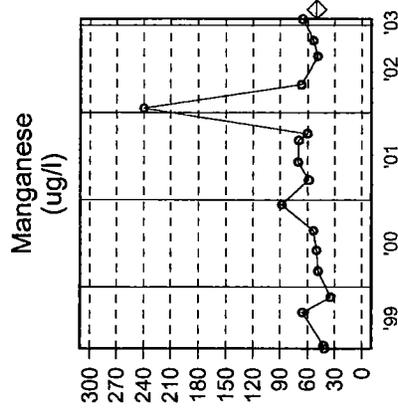
Source 10 of 14

Ag in blank > GW Criteria for 5/8/97.



SOURCE: 00M5MW18

Sampling Dates:
04/13/1999 - 01/22/2003



LEGEND:

PARAMETER
o = Date Sampled
◇ = NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 10 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW19
 Sampling Dates: 04/13/1999 - 01/22/2003
 NOTES:

Units:	Lab	cis-1,2-Dichloro ethene	Tri chloro ethene	Tetra chloro ethene	Iron	Manganese	Aluminum	Lead	Potassium	Depth to Water	Notes
NJDEP Criteria:	-	10	1	1	300	50	200	10	NLE	Feet	-
04/13/1999	FMETL	ND	ND	11.53	7900	50.1	1110	4.92	8060	6.74	V,S,P,M
04/27/1999	FMETL	ND	ND	3.72	12300	49.1	1710	ND	9650	7.04	V,S,P,M
09/14/1999	FMETL	ND	ND	10.24	9230	33.8	2320	ND	8200	8.48	V,S,P,M
11/18/1999	FMETL	ND	ND	69.22	11700	39	130	ND	7080	7.63	V,S,P,M
03/06/2000	FMETL	ND	ND	5.44	15000	53.9	133	ND	6870	7.01	V,S,P,M
05/31/2000	FMETL	ND	ND	ND	12100	51.6	47.8	ND	7830	7.01	V,S,P,M
08/21/2000	FMETL	ND	ND	4.77	12400	71.7	227	1.14	8620	6.66	V,S,P,M
12/11/2000	FMETL	ND	ND	3.80	39600	56.2	271	ND	9180	7.28	V,S,P,M
03/19/2001	FMETL	ND	ND	2.43	17800	78.5	740	ND	74200	6.97	V,S,P,M
06/05/2001	FMETL	ND	ND	6.89	27300	72.3	ND	ND	7380	6.68	V,S,P,M
09/05/2001	FMETL	3.87	1.66	34.94	22100	75.3	ND	2.10	7890	8.03	V,S,P,M
10/04/2001	FMETL	1.84	ND	13.62	21700	66.3	ND	ND	7100	7.92	V,S,P,M
01/14/2002	FMETL	16.64	17.44	284.64	30100	229	185	ND	2710	8.04	V,S,P,M
04/23/2002	FMETL	5.93	2.80	18.2	28900	83.1	562	ND	5270	7.39	V,S,P,M
08/21/2002	FMETL	51.33	6.44	34.31	20800	74.3	152	ND	3700	8.33	V,S,P,M
10/28/2002	FMETL	2.28	1.00	5.10	21500	81.3	73.6	1.39	7280	6.47	V,S,P,M
01/22/2003	FMETL	ND	ND	1.54	11700	55.0	33.7	ND	8120	6.58	V,S,P,M

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 11 of 14

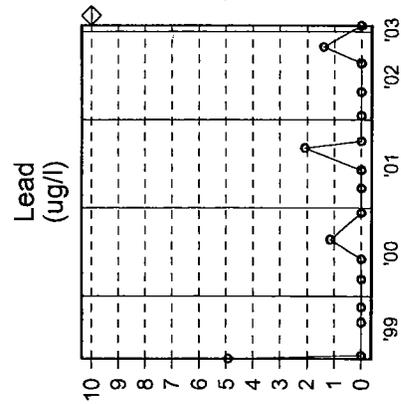
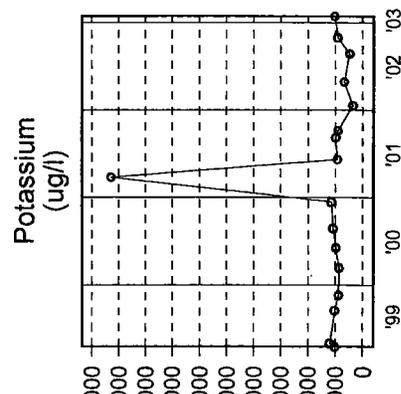
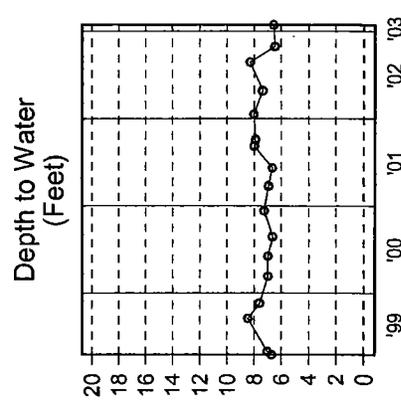
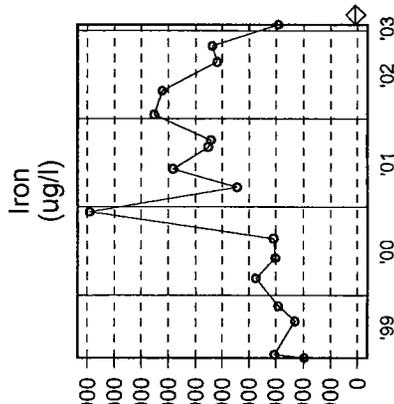
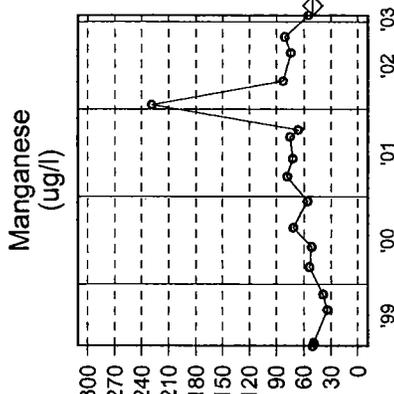
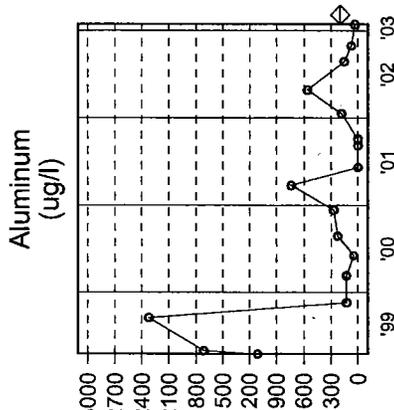
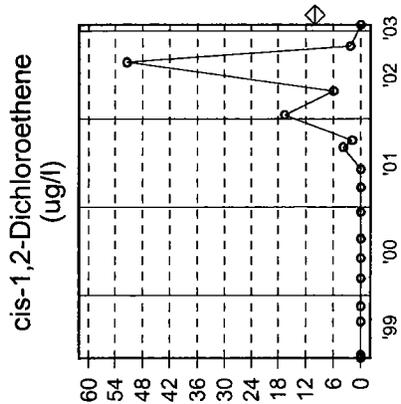
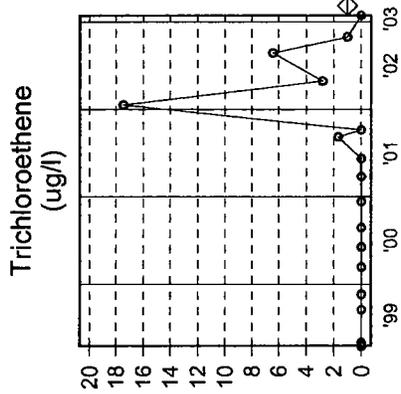
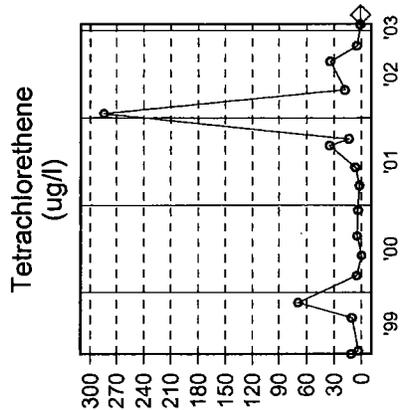
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SOURCE: 00M5MW19

Sampling Dates:

04/13/1999 - 01/22/2003



LEGEND:

PARAMETER

- o = Date Sampled
- ◇ = NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 11 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELM-PW-EV

SOURCE: 00M5MW20
 Sampling Dates:
 04/13/1999 - 01/22/2003

NOTES:

FORT MONMOUTH

GW MONITORING
 Bldg. M-5

Source 12 of 14

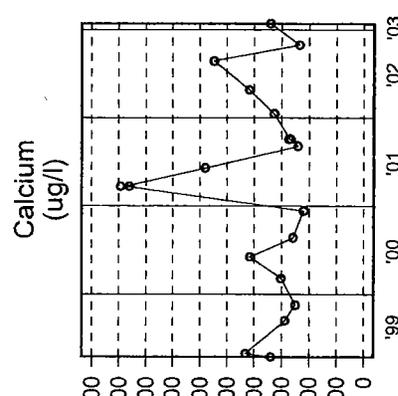
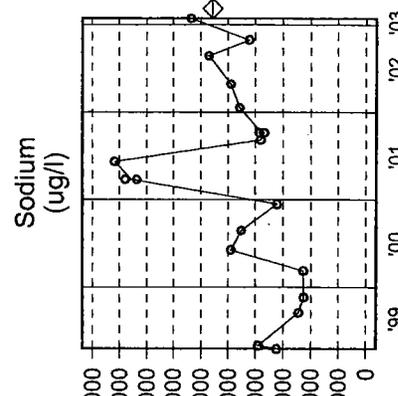
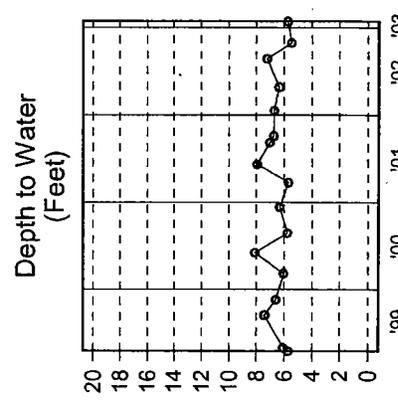
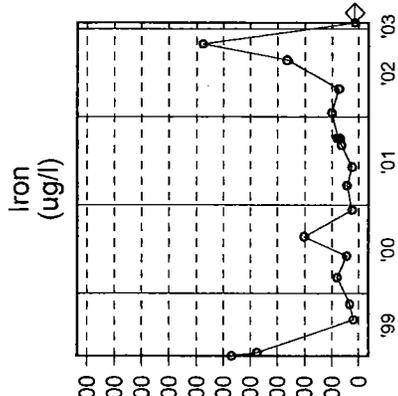
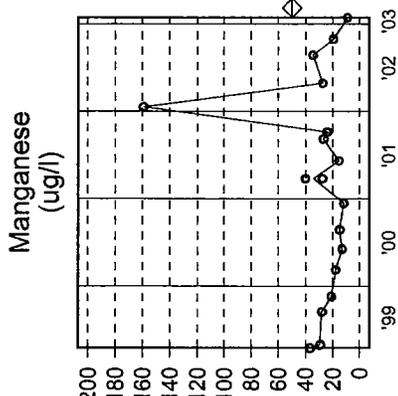
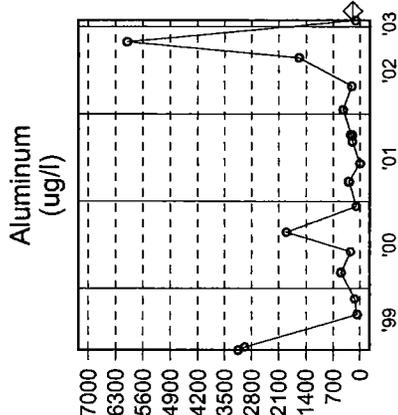
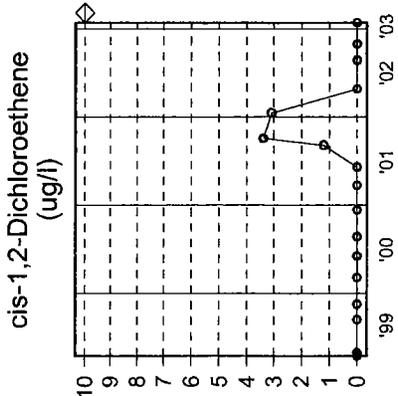
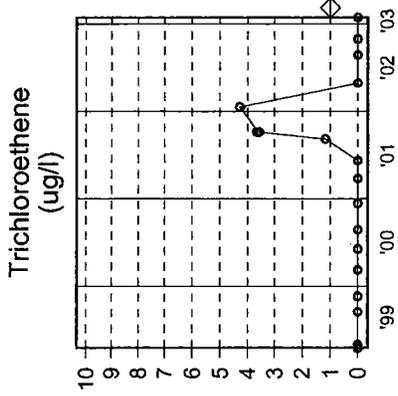
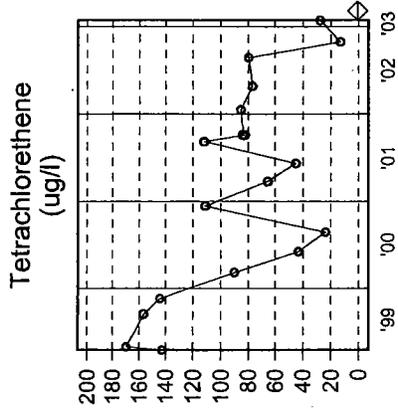
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**U.S. ARMY
 FORT MONMOUTH
 SELF-M-PW-EV**

Units:	Lab	cis-1,2-Dichloro ethene	Tri chloro ethene	Tetra chloro ethene	Iron	Manganese	Aluminum	Calcium	Sodium	Depth to Water	Notes
NJDEP Criteria:	-	10	1	1	300	50	200	NLE	50000	Feet	-
04/13/1999	FMETL	ND	ND	142.59	9380	36.6	3150	17000	29200	5.72	V,S,P,M
04/27/1999	FMETL	ND	ND	169.54	7520	29.2	2980	21600	35000	6.08	V,S,P,M
09/13/1999	FMETL	ND	ND	156.58	376	28.0	64.6	14400	22000	7.42	V,S,P,M
11/18/1999	FMETL	ND	ND	143.93	676	21.1	143	12500	20300	6.61	V,S,P,M
03/03/2000	FMETL	ND	ND	90.03	1640	17.8	500	15200	20400	6.05	V,S,P,M
05/31/2000	FMETL	ND	ND	43.44	914	13.2	248	20800	44000	8.13	V,S,P,M
08/21/2000	FMETL	ND	ND	23.85	4060	14.9	1910	12900	40700	5.78	V,S,P,M
12/11/2000	FMETL	ND	ND	110.95	502	11.9	96.6	11000	29000	6.33	V,S,P,M
03/19/2001	FMETL	ND	ND	65.73	900	40.3	280	44600	79100	5.68	V,S,P,M
03/19/2001D	FMETL	ND	ND	65.5	870	27.7	300	43000	75200	5.68	V,S,P,M
06/05/2001	FMETL	ND	ND	45.30	495	15.4	ND	29000	82500	7.98	V,S,P,M
09/05/2001	FMETL	1.22	1.18	111.58	1320	26.9	204	12000	34300	7.04	V,S,P,M
10/04/2001	FMETL	3.38	3.56	83.81	1640	23.9	198	13400	33200	6.77	V,S,P,M
10/04/2001D	FMETL	3.41	3.66	82.54	1450	24.2	252	13700	34700	6.77	V,S,P,M
01/14/2002	FMETL	3.09	4.27	85.31	2020	15.9	452	16400	41200	6.74	V,S,P,M
04/23/2002	FMETL	ND	ND	76.89	1510	27.3	216	20900	44000	6.36	V,S,P,M
08/21/2002	FMETL	ND	ND	79.41	5320	34.5	1580	27400	51200	7.24	V,S,P,M
10/28/2002	FMETL	ND	ND	12.99	11500	19.6	6000	11700	38000	5.45	V,S,P,M
01/22/2003	FMETL	ND	ND	27.87	292	9.34	109	17100	57200	5.73	V,S,P,M

SOURCE: 00M5MW20

Sampling Dates:
04/13/1999 - 01/22/2003



LEGEND:

PARAMETER

- o = Date Sampled
- ◇ = NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 12 of 14, Graph

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW23

Sampling Dates:
04/14/1999 - 01/22/2003

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 13 of 14

Ag in blank > GW Criteria for 5/8/97.

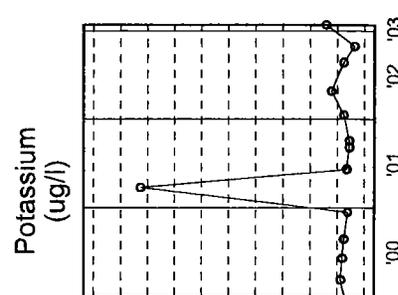
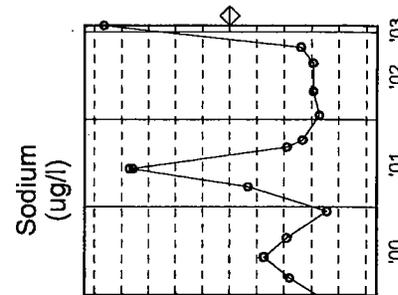
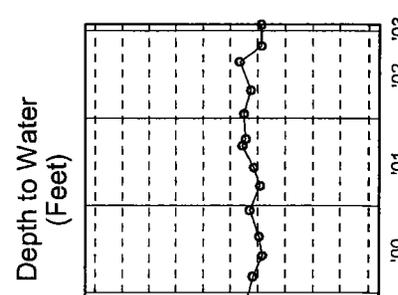
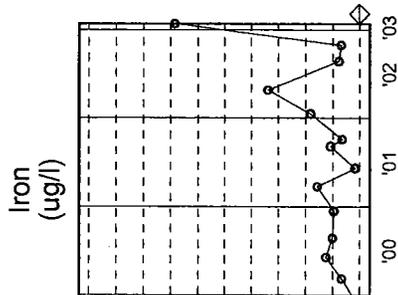
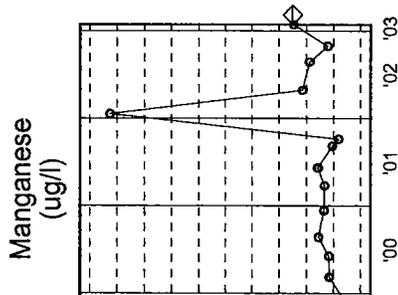
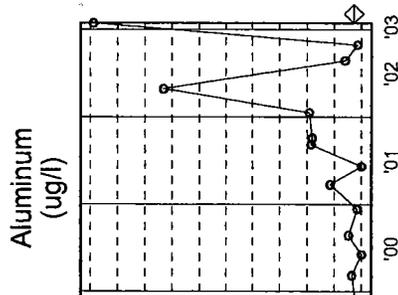
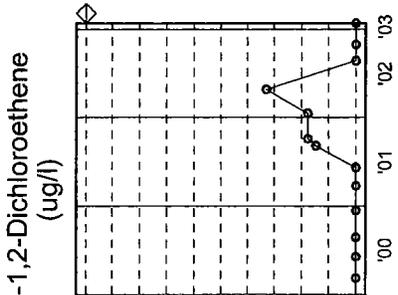
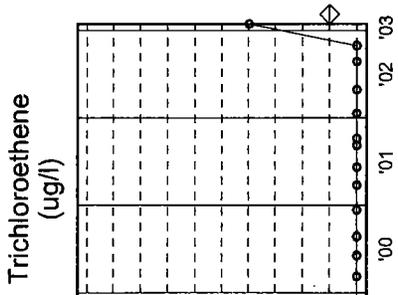
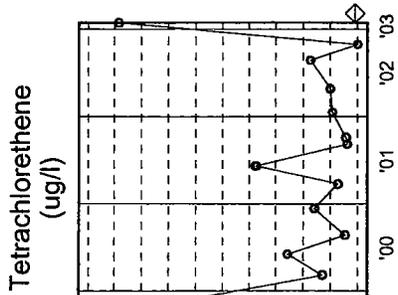
**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

Units:	Lab	cis-1,2-Dichloro ethene	Tri chloro ethene	Tetra chloro ethene	Iron	Manganese	Aluminum	Potassium	Sodium	Depth to Water	Notes
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	
NJDEP Criteria:	-	10	1	1	300	50	200	NLE	50000	-	-
04/14/1999	FMETL	ND	ND	84.93	848	9.64	148	3720	16500	8.19	V,S,P,M
04/28/1999	FMETL	ND	ND	44.43	1590	19.8	195	5640	28300	8.46	V,S,P,M
09/13/1999	FMETL	ND	ND	29.53	10700	10.4	1410	3670	12700	9.56	V,S,P,M
11/18/1999	FMETL	ND	ND	59.02	1290	10.4	157	2690	12100	8.88	V,S,P,M
03/03/2000	FMETL	ND	ND	11.53	13600	23.1	248	3470	28100	8.38	V,S,P,M
05/31/2000	FMETL	ND	ND	23.13	25100	23.6	ND	3240	37500	7.70	V,S,P,M
08/21/2000	FMETL	ND	ND	4.22	20300	30.9	332	3010	29200	7.93	V,S,P,M
12/11/2000	FMETL	ND	ND	14.27	19200	27.1	108	2470	14300	8.61	V,S,P,M
03/19/2001	FMETL	ND	ND	6.39	31400	26.6	810	33000	43500	7.85	V,S,P,M
06/05/2001	FMETL	ND	ND	33.84	3280	31.1	ND	2590	85600	8.33	V,S,P,M
06/05/2001D	FMETL	ND	ND	33.54	3650	31.6	ND	2630	87000	8.33	V,S,P,M
09/05/2001	FMETL	1.48	ND	3.41	21600	21.1	1300	2180	29100	9.15	V,S,P,M
10/04/2001	FMETL	1.77	ND	3.85	13000	16.5	1270	2190	23200	8.90	V,S,P,M
01/14/2002	FMETL	1.77	ND	8.26	36400	185	1340	3070	17100	9.03	V,S,P,M
04/23/2002	FMETL	3.31	ND	8.97	67900	42.8	5120	4850	19300	8.53	V,S,P,M
08/21/2002	FMETL	ND	ND	15.68	15400	37.6	426	3060	19400	9.33	V,S,P,M
10/28/2002	FMETL	ND	ND	ND	14000	24.3	100	1410	23900	7.72	V,S,P,M
01/22/2003	FMETL	ND	3.97	79.46	137000	49.2	6920	5610	96300	7.75	V,S,P,M

SOURCE: 00M5MW23

Sampling Dates:

04/14/1999 - 01/22/2003



LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING

Bldg. M-5

Source 13 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW25

Sampling Dates:
04/14/1999 - 01/22/2003

NOTES:

Units:	Lab	Iron	Manganese	Aluminum	Calcium	Lead	Magnesium	Potassium	Sodium	Depth to Water	Notes
NJDEP Criteria:	-	ug/l 300	ug/l 50	ug/l 200	ug/l NLE	ug/l 10	ug/l NLE	ug/l NLE	ug/l 50000	Feet -	-
04/14/1999	FMETL	18000	41.9	5640	12100	4.75	6120	9700	18900	11.32	V,S,P,M
04/28/1999	FMETL	12300	48.3	4630	15500	6.35	4960	8700	25200	11.59	V,S,P,M
09/14/1999	FMETL	8930	43.9	151	17700	ND	3440	8110	8680	13.21	V,S,P,M
11/18/1999	FMETL	15400	35.1	3560	14100	ND	7040	9990	25700	12.26	V,S,P,M
03/03/2000	FMETL	783	25.3	220	11000	ND	4100	2740	22900	11.39	V,S,P,M
05/31/2000	FMETL	191	13.8	ND	8680	ND	3460	2120	49100	11.61	V,S,P,M
05/31/2000D	FMETL	712	15.3	98.7	9230	ND	3460	2220	36500	11.61	V,S,P,M
08/21/2000	FMETL	453	46.7	250	13200	1.91	4620	2990	42900	11.05	V,S,P,M
12/11/2000	FMETL	877	18.7	209	9160	ND	4130	2950	42000	12.00	V,S,P,M
03/19/2001	FMETL	10900	43.1	140	38800	ND	10400	30500	153000	10.98	V,S,P,M
06/05/2001	FMETL	295	27.7	ND	20900	ND	10400	3000	76100	11.84	V,S,P,M
09/05/2001	FMETL	21600	21.1	1300	5570	2.41	1900	2180	29100	12.72	V,S,P,M
09/05/2001D	FMETL	476	63.9	ND	28700	ND	13700	5680	71400	12.72	V,S,P,M
10/04/2001	FMETL	26500	56.4	6880	20300	6.17	13200	13200	56900	11.77	V,S,P,M
01/14/2002	FMETL	1570	182	388	18400	11.0	8590	5490	48300	12.97	V,S,P,M
04/23/2002	FMETL	101	27.8	70.2	16300	1.59	7320	1930	80400	11.90	V,S,P,M
08/21/2002	FMETL	836	40.6	262	17500	ND	8210	4250	64100	12.86	V,S,P,M
10/28/2002	FMETL	6510	101	129	13000	ND	4370	2890	49300	10.93	V,S,P,M
01/22/2003	FMETL	12400	41.7	185	12200	ND	4550	3550	43500	10.75	V,S,P,M

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 14 of 14

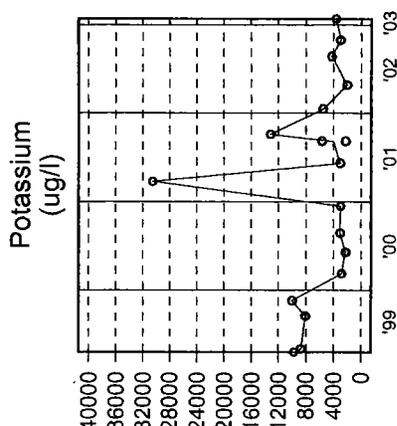
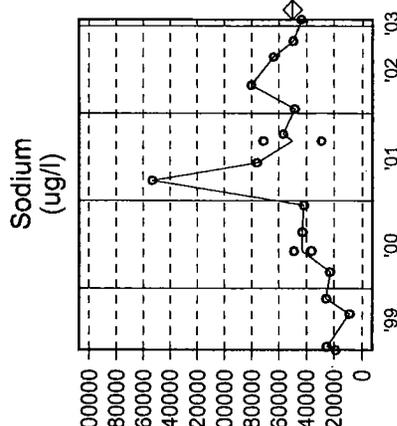
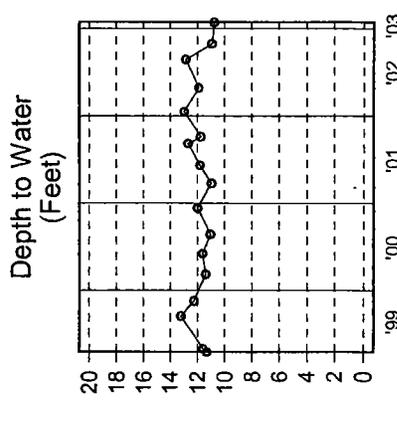
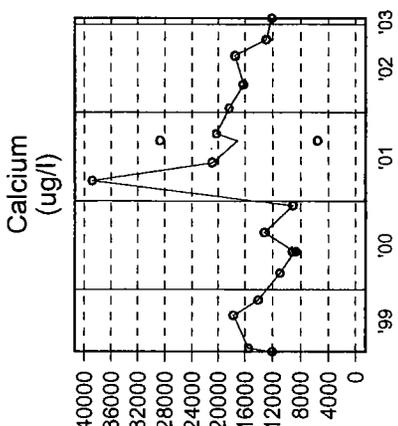
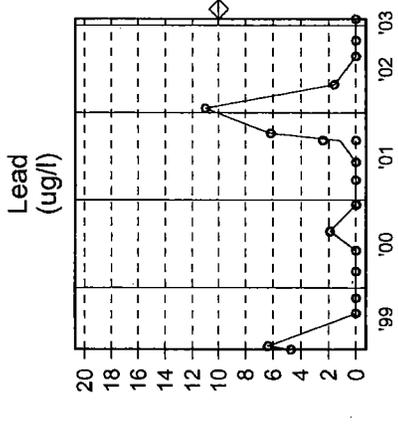
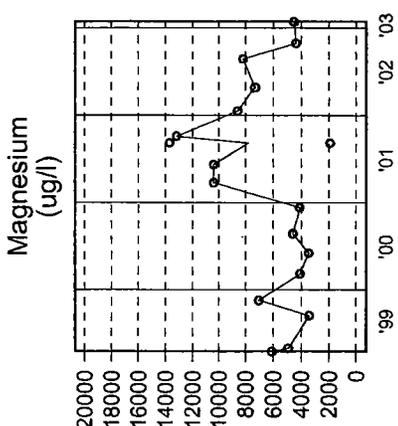
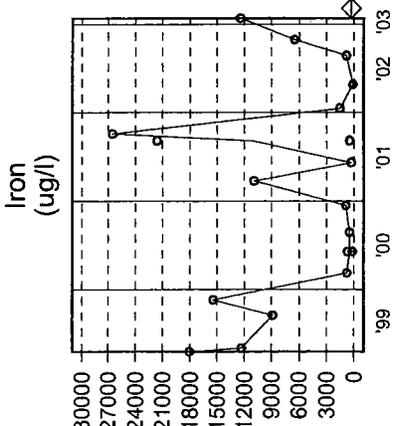
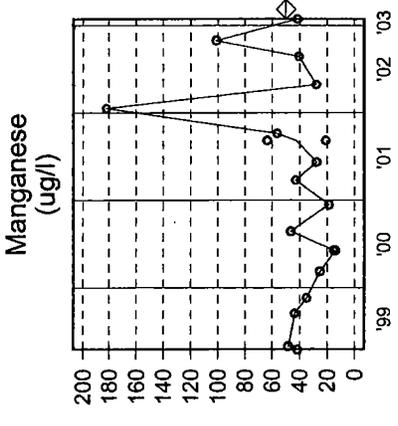
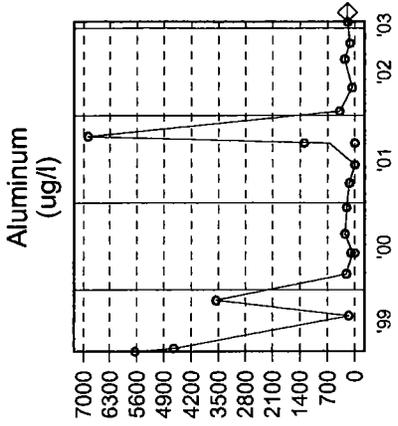
Ag in blank > GW Criteria for 5/8/97.



**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

SOURCE: 00M5MW25

Sampling Dates:
04/14/1999 - 01/22/2003



LEGEND:

PARAMETER

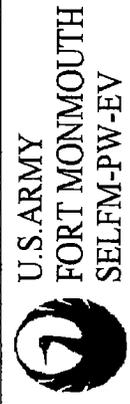
- o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 14 of 14, Graph
Ag in blank > GW Criteria for 5/8/97.



FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

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

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING



ANALYTICAL DATA REPORT FOR

Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: M-5

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
3018004	00M5MW10	29-32574	04/21/03
3018005	00M5MW11	29-32575	04/21/03
3018006	00M5MW12	29-39179	04/21/03
3018007	00M5MW13	29-39178	04/21/03
3018008	00M5MW14	29-39177	04/21/03
3018009	00M5MW15	29-40120	04/21/03
3018010	00M5MW16	29-40121	04/21/03
3018011	00M5MW18	29-40123	04/21/03
3018012	00M5MW19	29-40124	04/21/03
3018013	00M5MW20	29-40122	04/21/03
3018014	00M5MW23	29-40125	04/21/03
3018015	00M5MW25	29-40126	04/21/03

NJDEP Laboratory Certification # 13461

 6-4-03
Daniel Wright/Date
Laboratory Director

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST METALS	Standard Methods, 18th ed.
Aluminum	3120B
Antimony	3120B
Arsenic	3120B
Barium	3120B
Beryllium	3120B
Cadmium	3120B
Calcium	3120B
Chromium	3120B
Cobalt	3120B
Copper	3120B
Iron	3120B
Lead	3120B
Magnesium	3120B
Manganese	3120B
Mercury	3112B
Nickel	3120B
Potassium	3120B
Selenium	3120B
Silver	3120B
Sodium	3120B
Thallium	3120B
Vanadium	3120B
Zinc	3120B

PARAMETER	REFERENCE
TARGET COMPOUND LIST ORGANICS	Federal Register 40 CFR Part 136 Appendix A
Base/Neutral and Acid Extractables by GC/MS	625
Purgeable Organics by GC/MS	624
Pesticide and PCB by GC	608

Fort Monmouth Environmental Testing Laboratory

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

Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: J. FAYLON		Project No:		Analysis Parameters				Comments:
Phone #: 202-223		Location: MS wells		TAL MTS	Res/RES	BMV+25		Remarks / Preservation Method
() DERA () OMA () Other:		2nd Qtr '03		✓	✓	✓	Man Rec'd	
Samplers Name / Company: Corey McCormack, TVs		Date	Time	Sample Type	# bottles			
LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles			
30180 01	Trip	4/21/03	0739	AG	2	✓		
02	Field Blank		0930		5	✓		
03	Dupe				5	✓		
04	MSmw10		1314		5	✓		29-32574
05	MSmw11		1107			✓		29-32575
06	MSmw12		1323			✓		29-39179
07	MSmw13		1411			✓		29-39178
08	MSmw14		1458			✓		29-39197
09	MSmw15		1030			✓		29-40120
10	MSmw16		1037			✓		29-40121
11	MSmw18		1046			✓		29-40123
12	MSmw19		1053			✓		29-40124
13	MSmw20		1100			✓		29-40122
14	MSmw23*		1114			✓		29-40125
Relinquished by (signature): Corey McCormack		Date/Time: 4/21/03 15:00	Received by (signature): J. Faylon		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, (X) Standard, () Screen / non-certified, () JEDD		Turnaround time: (X) Standard 3 wks, () Rush Days, () ASAP Verbal Hrs.		Remarks: Tide/L, L-7H				

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NJDEP Certification #13461

Chain of Custody Record

Customer: <u>J. Fallon</u>		Project No:		Analysis Parameters				Comments:	
Phone #: <u>826223</u>		Location: <u>MS Wells</u>							
() DERA () OMA () Other:		2nd Qtr '03		Post/PCS		H ₂ Lead		Remarks / Preservation Method	
Samplers Name / Company: <u>Cory McCormack, TUS</u>		Sample #		✓		✓		29-40126	
LIMS/Work Order #	Sample Location	Date	Time	Type	bottles				
30180	MSMW25	4/21/03	0959	AR	5				
Relinquished by (signature): <u>Cory McCormack</u>		Date/Time:	Received by (signature): <u>J. Fallon</u>		Relinquished by (signature):		Date/Time:		Received by (signature):
Date/Time: <u>4/21/03 1530</u>		Date/Time:		Relinquished by (signature):		Date/Time:		Received by (signature):	
Relinquished by (signature):		Date/Time:	Received by (signature):		Relinquished by (signature):		Date/Time:		Received by (signature):
Date/Time:		Date/Time:		Relinquished by (signature):		Date/Time:		Received by (signature):	
Report Type: <input type="checkbox"/> Full, <input checked="" type="checkbox"/> Reduced, <input type="checkbox"/> Standard, <input type="checkbox"/> Screen / non-certified, <input type="checkbox"/> EDD		Remarks: <u>Tide L, L→H</u>							
Turnaround time: <input checked="" type="checkbox"/> Standard 3 wks, <input type="checkbox"/> Rush Days, <input type="checkbox"/> ASAP Verbal Hrs.									

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW10
NJDEP ID #: 29-32574
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/21/03
WEATHER: Sunny and cool.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 4.07 ft
DEPTH OF WELL: 17.25 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.18 ft
(13.18) X .65 X 3 =25.70
GALLONS OF H₂O TO BE PURGED: 26 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:20
pH 6.11 su
DISSOLVED O₂ 4.76 mg/L
TEMP 11.21 °C
SPECIFIC CONDUCTIVITY 621.7 ms/cm

PURGE END TIME: 13:13
pH 6.10 su
DISSOLVED O₂ 2.70 mg/L
TEMP 11.07 °C
SPECIFIC CONDUCTIVITY 611.4 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 4.44 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 26 gal

SAMPLE START TIME: 13:14
pH 6.10 su
DISSOLVED O₂ 2.69 mg/L
TEMP 11.06 °C
SPECIFIC CONDUCTIVITY 611.3 ms/cm

SAMPLE END TIME: 13:19

COMMENTS: Low draw down.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW11
NJDEP ID #: 29-32575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/21/03
WEATHER: Sunny and cool.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.70 ft
DEPTH OF WELL: 16.80 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.10 ft
(10.10) X .65 X 3 = 19.69
GALLONS OF H₂O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:04
pH 5.61 su
DISSOLVED O₂ 4.27 mg/L
TEMP 11.76 °C
SPECIFIC CONDUCTIVITY 321.4 ms/cm

PURGE END TIME: 10:31
pH 5.53 su
DISSOLVED O₂ 3.01 mg/L
TEMP 11.54 °C
SPECIFIC CONDUCTIVITY 310.7 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 7.63 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 11:07
pH 5.52 su
DISSOLVED O₂ 2.98 mg/L
TEMP 11.53 °C
SPECIFIC CONDUCTIVITY 308.9 ms/cm

SAMPLE END TIME: 11:12

COMMENTS:

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW12
NJDEP ID #: 29-39179
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/21/03
WEATHER: Sunny and cool.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 5.53 ft
DEPTH OF WELL: 16.10 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.57 ft
(10.57) X .163 X 3 = 5.16
GALLONS OF H₂O TO BE PURGED: 5 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:00
pH 6.37 su
DISSOLVED O₂ 3.17 mg/L
TEMP 11.79 °C
SPECIFIC CONDUCTIVITY 891.4 ms/cm

PURGE END TIME: 13:22
pH 6.41 su
DISSOLVED O₂ 2.17 mg/L
TEMP 11.60 °C
SPECIFIC CONDUCTIVITY 887.6 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 6.78 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 5 gal

SAMPLE START TIME: 13:23
pH 6.40 su
DISSOLVED O₂ 2.16 mg/L
TEMP 11.61 °C
SPECIFIC CONDUCTIVITY 887.4 ms/cm

SAMPLE END TIME: 13:27

COMMENTS: Slightly cloudy.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW13
NJDEP ID #: 29-39178
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/21/03
WEATHER: Sunny and cool.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 2.03 ft
DEPTH OF WELL: 18.82 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 16.79 ft
(16.79) X .163 X 3 =8.21
GALLONS OF H₂O TO BE PURGED: 8 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:35

pH 6.11 su

DISSOLVED O₂ 3.70 mg/L

TEMP 11.70 °C

SPECIFIC CONDUCTIVITY 811.4 ms/cm

PURGE END TIME: 14:10

pH 5.95 su

DISSOLVED O₂ 2.27 mg/L

TEMP 11.53 °C

SPECIFIC CONDUCTIVITY 821.5 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 2.20 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 8 gal

SAMPLE START TIME: 14:11

pH 5.96 su

DISSOLVED O₂ 2.27 mg/L

TEMP 11.54 °C

SPECIFIC CONDUCTIVITY 822.1 ms/cm

SAMPLE END TIME: 14:15

COMMENTS: Low draw down.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW14
NJDEP ID #: 29-39177
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/21/03
WEATHER: Sunny and cool.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 3.17 ft
DEPTH OF WELL: 20.15 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 16.98 ft
(16.98) X .163 X 3 = 8.30
GALLONS OF H2O TO BE PURGED: 8 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 14:17
pH 6.50 su
DISSOLVED O₂ 3.91 mg/L
TEMP 11.74 °C
SPECIFIC CONDUCTIVITY 607.4 ms/cm

PURGE END TIME: 14:52
pH 6.49 su
DISSOLVED O₂ 3.00 mg/L
TEMP 11.43 °C
SPECIFIC CONDUCTIVITY 591.4 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 3.90 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 8 gal

SAMPLE START TIME: 14:53
pH 6.49 su
DISSOLVED O₂ 2.98 mg/L
TEMP 11.44 °C
SPECIFIC CONDUCTIVITY 592.1 ms/cm

SAMPLE END TIME: 14:58

COMMENTS: Slightly cloudy.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW15
NJDEP ID #: 29-40120
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/21/03
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.27 ft
DEPTH OF WELL: 19.71 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.44 ft
(12.44) X .65 X 3 =24.25
GALLONS OF H₂O TO BE PURGED: 24 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:45
pH 5.20 su
DISSOLVED O₂ 4.76 mg/L
TEMP 11.47 °C
SPECIFIC CONDUCTIVITY 321.7 ms/cm

PURGE END TIME: 10:29
pH 5.76 su
DISSOLVED O₂ 3.11 mg/L
TEMP 11.21 °C
SPECIFIC CONDUCTIVITY 311.4 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 7.47 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 24 gal

SAMPLE START TIME: 10:30
pH 5.71 su
DISSOLVED O₂ 3.10 mg/L
TEMP 11.20 °C
SPECIFIC CONDUCTIVITY 312.1 ms/cm

SAMPLE END TIME: 10:35

COMMENTS: Low draw down.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW16
NJDEP ID #: 29-40121
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/21/03
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.04 ft
DEPTH OF WELL: 17.93 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.89 ft
(11.89) X .65 X 3 = 23.18
GALLONS OF H₂O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:48
pH 5.41 su
DISSOLVED O₂ 5.11 mg/L
TEMP 11.27 °C
SPECIFIC CONDUCTIVITY 407.1 ms/cm

PURGE END TIME: 10:28
pH 5.37 su
DISSOLVED O₂ 1.27 mg/L
TEMP 11.10 °C
SPECIFIC CONDUCTIVITY 403.2 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 6.64 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 10:37
pH 5.35 su
DISSOLVED O₂ 1.26 mg/L
TEMP 11.07 °C
SPECIFIC CONDUCTIVITY 403.1 ms/cm

SAMPLE END TIME: 10:42

COMMENTS: Very strong odor. Low draw down.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW18
NJDEP ID #: 29-40123
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/21/03
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.72 ft
DEPTH OF WELL: 20.17 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.45 ft
(13.45) X .65 X 3 =26.22
GALLONS OF H2O TO BE PURGED: 26 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:52
pH 6.11 su
DISSOLVED O₂ 3.76 mg/L
TEMP 11.79 °C
SPECIFIC CONDUCTIVITY 371.7 ms/cm

PURGE END TIME: 10:45
pH 5.79 su
DISSOLVED O₂ 2.21 mg/L
TEMP 11.54 °C
SPECIFIC CONDUCTIVITY 353.4 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.93 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 26 gal

SAMPLE START TIME: 10:46
pH 5.77 su
DISSOLVED O₂ 2.22 mg/L
TEMP 11.55 °C
SPECIFIC CONDUCTIVITY 353.3 ms/cm

SAMPLE END TIME: 10:50

COMMENTS: Low draw down, very cloudy orange.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW19
NJDEP ID #: 29-40124
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/21/03
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.35 ft
DEPTH OF WELL: 19.98 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.63 ft
(13.63) X .65 X 3 =26.57
GALLONS OF H₂O TO BE PURGED: 27 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:55

pH 5.76 su

DISSOLVED O₂ 4.76 mg/L

TEMP 11.66 °C

SPECIFIC CONDUCTIVITY 327.9 ms/cm

PURGE END TIME: 10:52

pH 5.83 su

DISSOLVED O₂ 2.01 mg/L

TEMP 11.40 °C

SPECIFIC CONDUCTIVITY 311.7 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 6.49 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 27 gal

SAMPLE START TIME: 10:53

pH 5.82 su

DISSOLVED O₂ 2.00 mg/L

TEMP 11.39 °C

SPECIFIC CONDUCTIVITY 311.8 ms/cm

SAMPLE END TIME: 10:58

COMMENTS: Low draw down. Strong odor.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW20
NJDEP ID #: 29-40122
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/21/03
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.47 ft
DEPTH OF WELL: 16.07 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.60 ft
(10.60) X .65 X 3 =20.67
GALLONS OF H₂O TO BE PURGED: 21 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:59

pH 5.57 su
DISSOLVED O₂ 4.57 mg/L

TEMP 10.76 °C
SPECIFIC CONDUCTIVITY 541.7 ms/cm

PURGE END TIME: 10:30

pH 5.43 su
DISSOLVED O₂ 2.03 mg/L

TEMP 10.39 °C
SPECIFIC CONDUCTIVITY 550.1 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 5.73 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 11:00

pH 5.42 su
DISSOLVED O₂ 1.97 mg/L

TEMP 10.41 °C
SPECIFIC CONDUCTIVITY 550.0 ms/cm

SAMPLE END TIME: 11:08

COMMENTS:

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW23
NJDEP ID #: 29-40125
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/21/03
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.54 ft
DEPTH OF WELL: 19.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.21 ft
(12.21) X .65 X 3 =23.80
GALLONS OF H₂O TO BE PURGED: 24 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:10
pH 5.88 su
DISSOLVED O₂ 4.67 mg/L
TEMP 11.21 °C
SPECIFIC CONDUCTIVITY 876.4 ms/cm

PURGE END TIME: 10:54
pH 5.80 su
DISSOLVED O₂ 2.30 mg/L
TEMP 11.04 °C
SPECIFIC CONDUCTIVITY 863.7 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 7.93 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 24 gal

SAMPLE START TIME: 11:14
pH 5.81 su
DISSOLVED O₂ 2.27 mg/L
TEMP 11.05 °C
SPECIFIC CONDUCTIVITY 863.4 ms/cm

SAMPLE END TIME: 11:19

COMMENTS: Low draw down, cloudy/orange. DUP. Here.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW25
NJDEP ID #: 29-40126
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/21/03
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 10.60 ft
DEPTH OF WELL: 19.94 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.34 ft
(9.34) X .65 X 3 = 18.21
GALLONS OF H₂O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:40
pH 4.93 su
DISSOLVED O₂ 4.32 mg/L
TEMP 11.03 °C
SPECIFIC CONDUCTIVITY 463.7 ms/cm

PURGE END TIME: 09:58
pH 4.80 su
DISSOLVED O₂ 1.76 mg/L
TEMP 10.98 °C
SPECIFIC CONDUCTIVITY 454.1 ms/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 10.71 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 09:59
pH 4.78 su
DISSOLVED O₂ 1.75 mg/L
TEMP 10.99 °C
SPECIFIC CONDUCTIVITY 455.2 ms/cm

SAMPLE END TIME: 10:02

COMMENTS: Low draw down.

**US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461**

Definition of Qualifiers

MDL	:	Method Detection Limit
J	:	Compound identified below detection limit
B	:	Compound found in blank
D	:	Results are from a dilution of the sample
U	:	Compound searched for but not detected
E	:	Compound exceeds calibration limit
PQL	:	Practical Quantitation Limit
NLE	:	No limit established
RT	:	Retention time

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

Data File **VB013518.D**
 Operator **Skelton**
 Date Acquired **25 Apr 2003 1:19 pm**

Sample Name **MB 25Apr03**
 Field ID **MB 25Apr03**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

MB 25Apr03

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30180 Location: M5 SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: MB 25Apr03
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013518.D
Level: (low/med) LOW Date Received: 4/21/2003
% Moisture: not dec. _____ Date Analyzed: 4/25/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013601.D**
 Operator **Skelton**
 Date Acquired **5 May 2003 5:42 pm**

Sample Name **MB 05May03**
 Field ID **MB 05May03**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

MB 05May03

Lab Name: FMETL Project: LTM
 NJDEP#: 13461 Case No.: 30180 Location: M5 SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: MB 05May03
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013601.D
 Level: (low/med) LOW Date Received: 4/21/2003
 % Moisture: not dec. _____ Date Analyzed: 5/5/2003
 GC Column: RTX502 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 **VB013521.D**
 Operator **Skelton**
 Date Acquired **25 Apr 2003 4:58 pm**

Sample Name **3018001**
 Field ID **Trip Blank**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.60	185928	3.06 ug/L	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6.2-Sept-97

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
 R.L. = Reporting Limit

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: LTM
 NJDEP#: 13461 Case No.: 30180 Location: M5 SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3018001
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013521.D
 Level: (low/med) LOW Date Received: 4/21/2003
 % Moisture: not dec. _____ Date Analyzed: 4/25/2003
 GC Column: RTX502 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 **VB013522.D**
 Operator **Skelton**
 Date Acquired **25 Apr 2003 5:39 pm**

Sample Name **3018002**
 Field ID **Field Blank**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.60	183403	2.90 ug/L	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30180 Location: M5 SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3018002
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013522.D
Level: (low/med) LOW Date Received: 4/21/2003
% Moisture: not dec. _____ Date Analyzed: 4/25/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013523.D**
 Operator **Skelton**
 Date Acquired **25 Apr 2003 6:19 pm**

Sample Name **3018003**
 Field ID **Dupe**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.58	43102	1.07 ug/L	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene	19.84	91726	2.89 ug/L	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.47	494629	20.00 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Dupe

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30180 Location: M5 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3018003

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013523.D

Level: (low/med) LOW Date Received: 4/21/2003

% Moisture: not dec. _____ Date Analyzed: 4/25/2003

GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013524.D**
 Operator **Skelton**
 Date Acquired **25 Apr 2003 7:00 pm**

Sample Name **3018004**
 Field ID **M5MW10**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW10

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30180 Location: M5 SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3018004
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013524.D
Level: (low/med) LOW Date Received: 4/21/2003
% Moisture: not dec. _____ Date Analyzed: 4/25/2003
GC Column: RTX502. 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013527.D**
 Operator **Skelton**
 Date Acquired **25 Apr 2003 9:00 pm**

Sample Name **3018005**
 Field ID **M5MW11**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.47	112943	4.50 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6.2-Sept-97

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
 R.L. = Reporting Limit

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW11

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30180 Location: M5 SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3018005
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013527.D
Level: (low/med) LOW Date Received: 4/21/2003
% Moisture: not dec. _____ Date Analyzed: 4/25/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013528.D**
 Operator **Skelton**
 Date Acquired **25 Apr 2003 9:40 pm**

Sample Name **3018006**
 Field ID **M5MW12**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW12

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30180 Location: M5 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3018006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013528.D

Level: (low/med) LOW Date Received: 4/21/2003

% Moisture: not dec. _____ Date Analyzed: 4/25/2003

GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013529.D**
 Operator **Skelton**
 Date Acquired **25 Apr 2003 10:20 pm**

Sample Name **3018007**
 Field ID **M5MW13**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW13

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30180 Location: M5 SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3018007
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013529.D
Level: (low/med) LOW Date Received: 4/21/2003
% Moisture: not dec. _____ Date Analyzed: 4/25/2003
GC Column: RTX502. 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013602.D**
 Operator **Skelton**
 Date Acquired **5 May 2003 6:23 pm**

Sample Name **3018008**
 Field ID **M5MW14**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethane			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW14

Lab Name: FMETL Project: LTM
 NJDEP#: 13461 Case No.: 30180 Location: M5 SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3018008
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013602.D
 Level: (low/med) LOW Date Received: 4/21/2003
 % Moisture: not dec. _____ Date Analyzed: 5/5/2003
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013531.D**
 Operator **Skelton**
 Date Acquired **25 Apr 2003 11:41 pm**

Sample Name **3018009**
 Field ID **M5MW15**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW15

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30180 Location: M5 SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3018009
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013531.D
Level: (low/med) LOW Date Received: 4/21/2003
% Moisture: not dec. _____ Date Analyzed: 4/25/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013532.D**
 Operator **Skelton**
 Date Acquired **26 Apr 2003 12:21 am**

Sample Name **3018010**
 Field ID **M5MW16**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.58	615178	16.12 ug/L	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene	19.84	72599	2.16 ug/L	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.47	276492	8.50 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW16

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30180 Location: M5 SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3018010
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013532.D
Level: (low/med) LOW Date Received: 4/21/2003
% Moisture: not dec. _____ Date Analyzed: 4/26/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013533.D**
 Operator **Skelton**
 Date Acquired **26 Apr 2003 1:01 am**

Sample Name **3018011**
 Field ID **M5MW18**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW18

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30180 Location: M5 SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3018011
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013533.D
Level: (low/med) LOW Date Received: 4/21/2003
% Moisture: not dec. _____ Date Analyzed: 4/26/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013534.D**
 Operator **Skelton**
 Date Acquired **26 Apr 2003 1:41 am**

Sample Name **3018012**
 Field ID **M5MW19**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.46	53126	1.73 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6.2-Sept-97

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
 R.L. = Reporting Limit

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW19

Lab Name: FMETL Project: LTM
 NJDEP#: 13461 Case No.: 30180 Location: M5 SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3018012
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013534.D
 Level: (low/med) LOW Date Received: 4/21/2003
 % Moisture: not dec. _____ Date Analyzed: 4/26/2003
 GC Column: RTX502 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 **VB013535.D**
 Operator **Skelton**
 Date Acquired **26 Apr 2003 2:22 am**

Sample Name **3018013**
 Field ID **M5MW20**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.47	854706	27.99 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW20

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30180 Location: M5 SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3018013
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013535.D
Level: (low/med) LOW Date Received: 4/21/2003
% Moisture: not dec. _____ Date Analyzed: 4/26/2003
GC Column: RTX502. 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013536.D**
 Operator **Skelton**
 Date Acquired **26 Apr 2003 3:02 am**

Sample Name **3018014**
 Field ID **M5MW23**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.58	50669	1.37 ug/L	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene	19.83	104333	3.15 ug/L	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.47	588416	17.35 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW23

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30180 Location: M5 SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3018014
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013536.D
Level: (low/med) LOW Date Received: 4/21/2003
% Moisture: not dec. _____ Date Analyzed: 4/26/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File VB013537.D
 Operator Skelton
 Date Acquired 26 Apr 2003 3:42 am

Sample Name 3018015
 Field ID M5MW25
 Sample Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQLs and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW25

Lab Name: FMETL Project: LTM
 NJDEP#: 13461 Case No.: 30180 Location: M5 SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3018015
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013537.D
 Level: (low/med) LOW Date Received: 4/21/2003
 % Moisture: not dec. _____ Date Analyzed: 4/26/2003
 GC Column: RTX502 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

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

Data File Name **BN06390.D**
 Operator **B.Patel**
 Date Acquired **28-Apr-03**

Sample Name **MB-042803**
 Misc Info **MB-042803**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report
Page 2

Data File Name **BN06390.D**
Operator **B.Patel**
Date Acquired **28-Apr-03**

Sample Name **MB-042803**
Misc Info **MB-042803**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

MB-042803

Lab Name: FMETL Lab Code 13461
Project: LTM Case No.: 30180 Location: M5 SDG No: _____
Matrix: (soil/water) WATER Lab Sample ID: MB-042803
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06390.D
Level: (low/med) LOW Date Received: 4/21/2003
% Moisture: _____ decanted: (Y/N) N Date Extracted: 4/28/2003
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/28/2003
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.	unknown	7.65	10	J

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

Data File Name **BN06391.D**
 Operator **B.Patel**
 Date Acquired **28-Apr-03**

Sample Name **3018002**
 Misc Info **Field Blank**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report
Page 2

Data File Name **BN06391.D**
Operator **B.Patel**
Date Acquired **28-Apr-03**

Sample Name **3018002**
Misc Info **Field Blank**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

Lab Name: FMETL Lab Code 13461 **Field Blank**
 Project: LTM Case No.: 30180 Location: M5 SDG No: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3018002
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06391.D
 Level: (low/med) LOW Date Received: 4/21/2003
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 4/28/2003
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/28/2003
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.65	10	J

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

Data File Name **BN06392.D**
 Operator **B.Patel**
 Date Acquired **28-Apr-03**

Sample Name **3018003**
 Misc Info **Dupe**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report Page 2

Data File Name **BN06392.D**
Operator **B.Patel**
Date Acquired **28-Apr-03**

Sample Name **3018003**
Misc Info **Dupe**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

Dupe

Lab Name: FMETL Lab Code 13461
 Project: LTM Case No.: 30180 Location: M5 SDG No: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3018003
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06392.D
 Level: (low/med) LOW Date Received: 4/21/2003
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 4/28/2003
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/28/2003
 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.	unknown	7.66	10	J

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

Data File Name **BN06393.D**
 Operator **B.Patel**
 Date Acquired **28-Apr-03**

Sample Name **3018004**
 Misc info **M5MW10**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	ug/L	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name **BN06393.D**
Operator **B.Patel**
Date Acquired **28-Apr-03**

Sample Name **3018004**
Misc Info **M5MW10**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW10

Lab Name: FMETL Lab Code 13461
 Project: LTM Case No.: 30180 Location: M5 SDG No: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3018004
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06393.D
 Level: (low/med) LOW Date Received: 4/21/2003
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 4/28/2003
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/28/2003
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.66	10	J

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

Data File Name **BN06394.D**
 Operator **B.Patel**
 Date Acquired **28-Apr-03**

Sample Name **3018005**
 Misc Info **M5MW11**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report
Page 2

Data File Name **BN06394.D**
Operator **B.Patel**
Date Acquired **28-Apr-03**

Sample Name **3018005**
Misc Info **M5MW11**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	ug/L	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW11

Lab Name: FMETL Lab Code 13461
Project: LTM Case No.: 30180 Location: M5 SDG No: _____
Matrix: (soil/water) WATER Lab Sample ID: 3018005
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06394.D
Level: (low/med) LOW Date Received: 4/21/2003
% Moisture: _____ decanted: (Y/N) N Date Extracted: 4/28/2003
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/28/2003
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

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

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.66	9	J

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

Data File Name **BN06395.D**
 Operator **B.Patel**
 Date Acquired **28-Apr-03**

Sample Name **3018006**
 Misc Info **M5MW12**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report Page 2

Data File Name **BN06395.D**
 Operator **B.Patel**
 Date Acquired **28-Apr-03**

Sample Name **3018006**
 Misc Info **M5MW12**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW12

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30180 Location: M5 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 3018006

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06395.D

Level: (low/med) LOW Date Received: 4/21/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 4/28/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/28/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.66	9	J
2. 000070-55-3	Benzenesulfonamide, 4-methyl-	20.44	7	JN

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

Data File Name **BN06396.D**
 Operator **B.Patel**
 Date Acquired **28-Apr-03**

Sample Name **3018007**
 Misc Info **MSMW13**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report
Page 2

Data File Name **BN06396.D**
Operator **B.Patel**
Date Acquired **28-Apr-03**

Sample Name **3018007**
Misc Info **M5MW13**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	ug/L	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW13

Lab Name: FMETL Lab Code 13461
Project: LTM Case No.: 30180 Location: M5 SDG No: _____
Matrix: (soil/water) WATER Lab Sample ID: 3018007
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06396.D
Level: (low/med) LOW Date Received: 4/21/2003
% Moisture: _____ decanted: (Y/N) N Date Extracted: 4/28/2003
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/28/2003
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.	unknown	7.66	10	J

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

Data File Name **BN06397.D**
 Operator **B.Patel**
 Date Acquired **28-Apr-03**

Sample Name **3018008**
 Misc Info **M5MW14**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	ug/L	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report

Page 2

Data File Name **BN06397.D**
 Operator **B.Patel**
 Date Acquired **28-Apr-03**

Sample Name **3018008**
 Misc Info **M5MW14**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW14

Lab Name: FMETL Lab Code 13461
 Project: LTM Case No.: 30180 Location: M5 SDG No: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3018008
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06397.D
 Level: (low/med) LOW Date Received: 4/21/2003
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 4/28/2003
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/28/2003
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.65	11	J
2. 000070-55-3	Benzenesulfonamide, 4-methyl-	20.44	6	JN

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

Data File Name **BN06398.D**
 Operator **B.Patel**
 Date Acquired **29-Apr-03**

Sample Name **3018009**
 Misc Info **M5MW15**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report
Page 2

Data File Name **BN06398.D**
Operator **B.Patel**
Date Acquired **29-Apr-03**

Sample Name **3018009**
Misc Info **M5MW15**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	ug/L	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW15

Lab Name: FMETL Lab Code 13461
Project: LTM Case No.: 30180 Location: M5 SDG No: _____
Matrix: (soil/water) WATER Lab Sample ID: 3018009
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06398.D
Level: (low/med) LOW Date Received: 4/21/2003
% Moisture: _____ decanted: (Y/N) N Date Extracted: 4/28/2003
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/29/2003
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.	unknown	7.65	11	J

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

Data File Name **BN06399.D**
 Operator **B.Patel**
 Date Acquired **29-Apr-03**

Sample Name **3018010**
 Misc Info **MSMW16**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	ug/L	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report Page 2

Data File Name **BN06399.D**
 Operator **B.Patel**
 Date Acquired **29-Apr-03**

Sample Name **3018010**
 Misc Info **M5MW16**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW16

Lab Name: FMETL Lab Code 13461
Project: LTM Case No.: 30180 Location: M5 SDG No: _____
Matrix: (soil/water) WATER Lab Sample ID: 3018010
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06399.D
Level: (low/med) LOW Date Received: 4/21/2003
% Moisture: _____ decanted: (Y/N) N Date Extracted: 4/28/2003
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/29/2003
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.	unknown	7.66	10	J

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

Data File Name **BN06400.D**
 Operator **B.Patel**
 Date Acquired **29-Apr-03**

Sample Name **3018011**
 Misc Info **M5MW18**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report

Page 2

Data File Name **BN06400.D**
 Operator **B.Patel**
 Date Acquired **29-Apr-03**

Sample Name **3018011**
 Misc Info **M5MW18**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-142	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW18

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30180 Location: M5 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 3018011

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06400.D

Level: (low/med) LOW Date Received: 4/21/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 4/28/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/29/2003

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.	unknown	7.65	12	J

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

Data File Name **BN06401.D**
 Operator **B.Patel**
 Date Acquired **29-Apr-03**

Sample Name **3018012**
 Misc Info **M5MW19**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report

Page 2

Data File Name **BN06401.D**
 Operator **B.Patel**
 Date Acquired **29-Apr-03**

Sample Name **3018012**
 Misc Info **M5MW19**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW19

Lab Name: FMETL Lab Code 13461
 Project: LTM Case No.: 30180 Location: M5 SDG No: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3018012
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06401.D
 Level: (low/med) LOW Date Received: 4/21/2003
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 4/28/2003
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/29/2003
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.66	11	J
2.	unknown	18.99	4	J

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

Data File Name **BN06402.D**
 Operator **B.Patel**
 Date Acquired **29-Apr-03**

Sample Name **3018013**
 Misc Info **M5MW20**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	ug/L	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report Page 2

Data File Name **BN06402.D**
 Operator **B.Patel**
 Date Acquired **29-Apr-03**

Sample Name **3018013**
 Misc Info **M5MW20**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW20

Lab Name: FMETL Lab Code 13461
Project: LTM Case No.: 30180 Location: M5 SDG No: _____
Matrix: (soil/water) WATER Lab Sample ID: 3018013
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06402.D
Level: (low/med) LOW Date Received: 4/21/2003
% Moisture: _____ decanted: (Y/N) N Date Extracted: 4/28/2003
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/29/2003
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.	unknown	7.66	10	J

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

Data File Name **BN06403.D**
 Operator **B.Patel**
 Date Acquired **29-Apr-03**

Sample Name **3018014**
 Misc Info **M5MW23**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report
Page 2

Data File Name **BN06403.D**
Operator **B.Patel**
Date Acquired **29-Apr-03**

Sample Name **3018014**
Misc Info **MSMW23**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R. T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW23

Lab Name: FMETL Lab Code 13461
 Project: LTM Case No.: 30180 Location: M5 SDG No: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3018014
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06403.D
 Level: (low/med) LOW Date Received: 4/21/2003
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 4/28/2003
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/29/2003
 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.	unknown	7.66	10	J

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

Data File Name **BN06404.D**
 Operator **B.Patel**
 Date Acquired **29-Apr-03**

Sample Name **3018015**
 Misc Info **M5MW25**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	ug/L	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report

Page 2

Data File Name **BN06404.D**
 Operator **B.Patel**
 Date Acquired **29-Apr-03**

Sample Name **3018015**
 Misc Info **M5MW25**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

M5MW25

Lab Name: FMETL Lab Code 13461
 Project: LTM Case No.: 30180 Location: M5 SDG No: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3018015
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06404.D
 Level: (low/med) LOW Date Received: 4/21/2003
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 4/28/2003
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/29/2003
 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.	unknown	7.65	9	J

TABULATED ANALYTICAL REPORT
SW 846 608
Pesticides/PCB

mb 042503

Matrix: Aqueous

Date Extracted: 4/25/2003

Ext. Batch: 042503

Date Analysed: 5/1/2003

Filename: 01030A.D

Analyst: A.A.

<u>CAS #</u>	<u>COMPOUNDS</u>	<u>RESULTS</u> <u>(ug/L)</u>	<u>MDL</u> <u>(ug/L)</u>
319-84-6	alpha-BHC	ND	0.0011
319-85-7	beta-BHC	ND	0.0050
58-89-9	gamma-BHC	ND	0.0013
319-86-8	delta-BHC	ND	0.0016
76-44-8	Heptachlor	ND	0.0035
309-00-2	Aldrin	ND	0.0026
1024-57-3	Heptachlor epoxide	ND	0.0020
5103-71-9	gamma-Chlordane	ND	0.0007
5103-74-2	alpha-Chlordane	ND	0.0036
959-98-8	Endosulfan I	ND	0.0016
72-55-9	4,4'-DDE	ND	0.0021
60-57-1	Dieldrin	ND	0.0020
72-20-8	Endrin	ND	0.0032
33213-65-9	Endosulfan II	ND	0.0022
72-54-8	4,4'-DDD	ND	0.0020
7421-93-4	Endrin aldehyde	ND	0.0100
50-29-3	4,4'-DDT	ND	0.0052
1031-07-8	Endosulfan sulfate	ND	0.0026
53494-70-5	Endrin ketone	ND	0.0026
72-43-5	Methoxychlor	ND	0.0100
8001-35-2	Toxaphene	ND	0.0157
12674-11-2	Arochlor 1016	ND	0.0683
11104-28-2	Arochlor 1221	ND	0.0666
11141-16-5	Arochlor 1232	ND	0.0648
53469-21-9	Arochlor 1242	ND	0.0485
12672-29-6	Arochlor 1248	ND	0.0544
11097-69-1	Arochlor 1254	ND	0.0608
11096-82-5	Arochlor 1260	ND	0.0732

MDL = METHOD DETECTION LIMIT
ND =NOT DETECTED, BELOW MDL

Initial vol. (ml): 1000.00
Final vol. (ml): 10

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells, 2nd Qtr.
Field ID: FIELDBLANK
Lab ID: 3018002
Filename: 01032.D
Lab Project : 30180

Location: M5 Wells
MATRIX: Aqueous
Ext. Batch: 042503
Date Extracted: 4/25/2003
Date Analyzed: 01-May-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells, 2nd Qtr.
Field ID: Dupe
Lab ID: 3018003
Filename: 01033.D
Lab Project : 30180

Location: M5 Wells
MATRIX: Aqueous
Ext. Batch: 042503
Date Extracted: 4/25/2003
Date Analyzed: 01-May-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS	Reporting Limit	Regulatory Level	Qualifier	MDL
		(ug/L)	(ug/L)	(ug/L)		(ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides 2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells, 2nd Qtrr.
Field ID: MSMW10
Lab ID: 3018004
Filename: 01034.D
Lab Project : 30180

Location: M5 Wells
MATRIX: Aqueous
Ext. Batch: 042503
Date Extracted: 4/25/2003
Date Analyzed: 01-May-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND = Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides 2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells, 2nd Qtr.
Field ID: M5MW11
Lab ID: 3018005
Filename: 01035.D
Lab Project : 30180

Location: M5 Wells
MATRIX: Aqueous
Ext. Batch: 042503
Date Extracted: 4/25/2003
Date Analyzed: 01-May-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides 2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells, 2nd Qtr.
Field ID: MSMW12
Lab ID: 3018006
Filename: 01036.D
Lab Project : 30180

Location: M5 Wells
MATRIX: Aqueous
Ext. Batch: 042503
Date Extracted: 4/25/2003
Date Analyzed: 01-May-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS	Reporting Limit	Regulatory Level	Qualifier	MDL
		(ug/L)	(ug/L)	(ug/L)		(ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

* Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides 2 30m/.32mm ID/.5um.

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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells, 2nd Qtr.
Field ID: M5MW13
Lab ID: 3018007
Filename: 01037.D
Lab Project : 30180

Location: M5 Wells
MATRIX: Aqueous
Ext. Batch: 042503
Date Extracted: 4/25/2003
Date Analyzed: 01-May-03
Dilution: 1
Analyst: A.A.

<u>CAS #</u>	<u>COMPOUNDS</u>	<u>RESULTS</u> (ug/L)	<u>Reporting Limit</u> (ug/L)	<u>Regulatory Level</u> (ug/L)	<u>Qualifier</u>	<u>MDL</u> (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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Report of Analysis
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells, 2nd Qtrr.
Field ID: M5MW14
Lab ID: 3018008
Filename: 01038.D
Lab Project : 30180

Location: M5 Wells
MATRIX: Aqueous
Ext. Batch: 042503
Date Extracted: 4/25/2003
Date Analyzed: 01-May-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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**Report of Analysis
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EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells, 2nd Qtr.
Field ID: M5MW15
Lab ID: 3018009
Filename: 01039.D
Lab Project : 30180

Location: M5 Wells
MATRIX: Aqueous
Ext. Batch: 042503
Date Extracted: 4/25/2003
Date Analyzed: 01-May-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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**Report of Analysis
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EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells, 2nd Qtr.
Field ID: M5MW16
Lab ID: 3018010
Filename: 01040.D
Lab Project : 30180

Location: M5 Wells
MATRIX: Aqueous
Ext. Batch: 042503
Date Extracted: 4/25/2003
Date Analyzed: 01-May-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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**Report of Analysis
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PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells, 2nd Qtr.
Field ID: M5MW18
Lab ID: 3018011
Filename: 01041.D
Lab Project : 30180

Location: M5 Wells
MATRIX: Aqueous
Ext. Batch: 042503
Date Extracted: 4/25/2003
Date Analyzed: 01-May-03
Dilution: 1
Analyst: A.A.

<u>CAS #</u>	<u>COMPOUNDS</u>	<u>RESULTS</u> (ug/L)	<u>Reporting Limit</u> (ug/L)	<u>Regulatory Level</u> (ug/L)	<u>Qualifier</u>	<u>MDL</u> (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rix-CLPesticides2 30m/.32mm ID/.5um.

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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells, 2nd Qtr.
Field ID: M5MW19
Lab ID: 3018012
Filename: 01042.D
Lab Project : 30180

Location: M5 Wells
MATRIX: Aqueous
Ext. Batch: 042503
Date Extracted: 4/25/2003
Date Analyzed: 01-May-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND = Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells, 2nd Qtr.
Field ID: M5MW20
Lab ID: 3018013
Filename: 01043.D
Lab Project : 30180

Location: M5 Wells
MATRIX: Aqueous
Ext. Batch: 042503
Date Extracted: 4/25/2003
Date Analyzed: 01-May-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells, 2nd Qtr.
Field ID: M5MW23
Lab ID: 3018014
Filename: 01044.D
Lab Project : 30180

Location: M5 Wells
MATRIX: Aqueous
Ext. Batch: 042503
Date Extracted: 4/25/2003
Date Analyzed: 01-May-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Decedted / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells, 2nd Qrtr.
Field ID: M5MW25
Lab ID: 3018015
Filename: 01045.D
Lab Project : 30180

Location: M5 Wells
MATRIX: Aqueous
Ext. Batch: 042503
Date Extracted: 4/25/2003
Date Analyzed: 01-May-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Decetded / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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

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

Lab ID #: 30180
 Sample Prepared:

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: Method Blank

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	05/20/03	197	200	100	10.0
Antimony	05/20/03	ND	20	10	2.0
Arsenic	05/20/03	ND	8	5.0	2.0
Barium	05/20/03	ND	2000	10	0.5
Beryllium	05/20/03	ND	20	0.25	0.5
Cadmium	05/20/03	ND	4	1.0	0.5
Calcium	05/20/03	109	NLE	100	20.0
Chromium	05/20/03	ND	100	10	0.5
Cobalt	05/20/03	ND	NLE	5.0	0.5
Copper	05/20/03	ND	1000	10	2.0
Iron	05/20/03	ND	300	200	10.0
Lead	05/20/03	ND	10	5.0	1.0
Magnesium	05/20/03	ND	NLE	100	10.0
Manganese	05/20/03	ND	50	5.0	0.5
Mercury	05/15/03	ND	2	0.20	0.15
Nickel	05/20/03	ND	100	5.0	1.0
Potassium	05/20/03	646	NLE	200	40.0
Selenium	05/20/03	ND	50	10	3.0
Silver	05/20/03	ND	20	5.0	1.0
Sodium	05/20/03	ND	50000	200	20.0
Thallium	05/20/03	ND	10	10	2.0
Vanadium	05/20/03	ND	NLE	5.0	0.5
Zinc	05/20/03	ND	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3018002
 Sample Received: 04/21/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: Field Blank

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	05/20/03	232	200	100	10.0
Antimony	05/20/03	ND	20	10	2.0
Arsenic	05/20/03	ND	8	5.0	2.0
Barium	05/20/03	ND	2000	10	0.5
Beryllium	05/20/03	ND	20	0.25	0.5
Cadmium	05/20/03	ND	4	1.0	0.5
Calcium	05/20/03	72	NLE	100	20.0
Chromium	05/20/03	ND	100	10	0.5
Cobalt	05/20/03	ND	NLE	5.0	0.5
Copper	05/20/03	ND	1000	10	2.0
Iron	05/20/03	ND	300	200	10.0
Lead	05/20/03	ND	10	5.0	1.0
Magnesium	05/20/03	ND	NLE	100	10.0
Manganese	05/20/03	ND	50	5.0	0.5
Mercury	05/15/03	ND	2	0.20	0.15
Nickel	05/20/03	ND	100	5.0	1.0
Potassium	05/20/03	ND	NLE	200	40.0
Selenium	05/20/03	ND	50	10	3.0
Silver	05/20/03	ND	20	5.0	1.0
Sodium	05/20/03	270	50000	200	20.0
Thallium	05/20/03	ND	10	10	2.0
Vanadium	05/20/03	ND	NLE	5.0	0.5
Zinc	05/20/03	ND	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
 * Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
 R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3018003
 Sample Received: 04/21/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: Dupe

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	05/20/03	1140	200	100	10.0
Antimony	05/20/03	ND	20	10	2.0
Arsenic	05/20/03	10.5	8	5.0	2.0
Barium	05/20/03	14.0	2000	10	0.5
Beryllium	05/20/03	ND	20	0.25	0.5
Cadmium	05/20/03	1.58	4	1.0	0.5
Calcium	05/20/03	8620	NLE	100	20.0
Chromium	05/20/03	12.5	100	10	0.5
Cobalt	05/20/03	ND	NLE	5.0	0.5
Copper	05/20/03	ND	1000	10	2.0
Iron	05/20/03	29700	300	200	10.0
Lead	05/20/03	ND	10	5.0	1.0
Magnesium	05/20/03	1980	NLE	100	10.0
Manganese	05/20/03	20.3	50	5.0	0.5
Mercury	05/15/03	ND	2	0.20	0.15
Nickel	05/20/03	ND	100	5.0	1.0
Potassium	05/20/03	3020	NLE	200	40.0
Selenium	05/20/03	ND	50	10	3.0
Silver	05/20/03	ND	20	5.0	1.0
Sodium	05/20/03	61200	50000	200	20.0
Thallium	05/20/03	ND	10	10	2.0
Vanadium	05/20/03	ND	NLE	5.0	0.5
Zinc	05/20/03	12.6	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3018004
 Sample Received: 04/21/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW10

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	05/20/03	241	200	100	10.0
Antimony	05/20/03	ND	20	10	2.0
Arsenic	05/20/03	ND	8	5.0	2.0
Barium	05/20/03	172	2000	10	0.5
Beryllium	05/20/03	ND	20	0.25	0.5
Cadmium	05/20/03	1.49	4	1.0	0.5
Calcium	05/20/03	29400	NLE	100	20.0
Chromium	05/20/03	1.46	100	10	0.5
Cobalt	05/20/03	3.37	NLE	5.0	0.5
Copper	05/20/03	8.87	1000	10	2.0
Iron	05/20/03	15400	300	200	10.0
Lead	05/20/03	2.34	10	5.0	1.0
Magnesium	05/20/03	18000	NLE	100	10.0
Manganese	05/20/03	1060	50	5.0	0.5
Mercury	05/15/03	ND	2	0.20	0.15
Nickel	05/20/03	3.59	100	5.0	1.0
Potassium	05/20/03	6630	NLE	200	40.0
Selenium	05/20/03	ND	50	10	3.0
Silver	05/20/03	ND	20	5.0	1.0
Sodium	05/20/03	93800	50000	200	20.0
Thallium	05/20/03	ND	10	10	2.0
Vanadium	05/20/03	1.39	NLE	5.0	0.5
Zinc	05/20/03	99.3	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3018005
 Sample Received: 04/21/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW11

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	05/20/03	185	200	100	10.0
Antimony	05/20/03	ND	20	10	2.0
Arsenic	05/20/03	2.80	8	5.0	2.0
Barium	05/20/03	6.33	2000	10	0.5
Beryllium	05/20/03	ND	20	0.25	0.5
Cadmium	05/20/03	0.51	4	1.0	0.5
Calcium	05/20/03	14400	NLE	100	20.0
Chromium	05/20/03	1.75	100	10	0.5
Cobalt	05/20/03	ND	NLE	5.0	0.5
Copper	05/20/03	1.15	1000	10	2.0
Iron	05/20/03	4000	300	200	10.0
Lead	05/20/03	ND	10	5.0	1.0
Magnesium	05/20/03	4890	NLE	100	10.0
Manganese	05/20/03	22.3	50	5.0	0.5
Mercury	05/15/03	ND	2	0.20	0.15
Nickel	05/20/03	1.27	100	5.0	1.0
Potassium	05/20/03	1840	NLE	200	40.0
Selenium	05/20/03	ND	50	10	3.0
Silver	05/20/03	ND	20	5.0	1.0
Sodium	05/20/03	16600	50000	200	20.0
Thallium	05/20/03	ND	10	10	2.0
Vanadium	05/20/03	3.92	NLE	5.0	0.5
Zinc	05/20/03	101	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3018006
 Sample Received: 04/21/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW12

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	05/20/03	639	200	100	10.0
Antimony	05/20/03	ND	20	10	2.0
Arsenic	05/20/03	ND	8	5.0	2.0
Barium	05/20/03	29.3	2000	10	0.5
Beryllium	05/20/03	ND	20	0.25	0.5
Cadmium	05/20/03	1.07	4	1.0	0.5
Calcium	05/20/03	20100	NLE	100	20.0
Chromium	05/20/03	6.11	100	10	0.5
Cobalt	05/20/03	ND	NLE	5.0	0.5
Copper	05/20/03	7.50	1000	10	2.0
Iron	05/20/03	13000	300	200	10.0
Lead	05/20/03	1.72	10	5.0	1.0
Magnesium	05/20/03	26300	NLE	100	10.0
Manganese	05/20/03	67.1	50	5.0	0.5
Mercury	05/15/03	ND	2	0.20	0.15
Nickel	05/20/03	ND	100	5.0	1.0
Potassium	05/20/03	18600	NLE	200	40.0
Selenium	05/20/03	ND	50	10	3.0
Silver	05/20/03	ND	20	5.0	1.0
Sodium	05/20/03	49400	50000	200	20.0
Thallium	05/20/03	ND	10	10	2.0
Vanadium	05/20/03	3.70	NLE	5.0	0.5
Zinc	05/20/03	16.4	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3018007
 Sample Received: 04/21/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW13

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	05/20/03	152	200	100	10.0
Antimony	05/20/03	ND	20	10	2.0
Arsenic	05/20/03	ND	8	5.0	2.0
Barium	05/20/03	133	2000	10	0.5
Beryllium	05/20/03	ND	20	0.25	0.5
Cadmium	05/20/03	1.54	4	1.0	0.5
Calcium	05/20/03	25800	NLE	100	20.0
Chromium	05/20/03	1.64	100	10	0.5
Cobalt	05/20/03	ND	NLE	5.0	0.5
Copper	05/20/03	ND	1000	10	2.0
Iron	05/20/03	20900	300	200	10.0
Lead	05/20/03	ND	10	5.0	1.0
Magnesium	05/20/03	15200	NLE	100	10.0
Manganese	05/20/03	415	50	5.0	0.5
Mercury	05/15/03	ND	2	0.20	0.15
Nickel	05/20/03	ND	100	5.0	1.0
Potassium	05/20/03	5430	NLE	200	40.0
Selenium	05/20/03	ND	50	10	3.0
Silver	05/20/03	ND	20	5.0	1.0
Sodium	05/20/03	89600	50000	200	20.0
Thallium	05/20/03	ND	10	10	2.0
Vanadium	05/20/03	2.06	NLE	5.0	0.5
Zinc	05/20/03	7.67	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
 * Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
 R.L= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3018008
 Sample Received: 04/21/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW14

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	05/20/03	174	200	100	10.0
Antimony	05/20/03	ND	20	10	2.0
Arsenic	05/20/03	ND	8	5.0	2.0
Barium	05/20/03	210	2000	10	0.5
Beryllium	05/20/03	ND	20	0.25	0.5
Cadmium	05/20/03	1.15	4	1.0	0.5
Calcium	05/20/03	58500	NLE	100	20.0
Chromium	05/20/03	3.81	100	10	0.5
Cobalt	05/20/03	ND	NLE	5.0	0.5
Copper	05/20/03	ND	1000	10	2.0
Iron	05/20/03	21100	300	200	10.0
Lead	05/20/03	ND	10	5.0	1.0
Magnesium	05/20/03	20900	NLE	100	10.0
Manganese	05/20/03	35.7	50	5.0	0.5
Mercury	05/15/03	ND	2	0.20	0.15
Nickel	05/20/03	ND	100	5.0	1.0
Potassium	05/20/03	14000	NLE	200	40.0
Selenium	05/20/03	ND	50	10	3.0
Silver	05/20/03	ND	20	5.0	1.0
Sodium	05/20/03	9900	50000	200	20.0
Thallium	05/20/03	ND	10	10	2.0
Vanadium	05/20/03	0.819	NLE	5.0	0.5
Zinc	05/20/03	7.59	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3018009
 Sample Received: 04/21/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW15

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	05/20/03	1790	200	100	10.0
Antimony	05/20/03	ND	20	10	2.0
Arsenic	05/20/03	ND	8	5.0	2.0
Barium	05/20/03	163	2000	10	0.5
Beryllium	05/20/03	2.22	20	0.25	0.5
Cadmium	05/20/03	1.28	4	1.0	0.5
Calcium	05/20/03	13000	NLE	100	20.0
Chromium	05/20/03	1.81	100	10	0.5
Cobalt	05/20/03	17.2	NLE	5.0	0.5
Copper	05/20/03	ND	1000	10	2.0
Iron	05/20/03	586	300	200	10.0
Lead	05/20/03	ND	10	5.0	1.0
Magnesium	05/20/03	24100	NLE	100	10.0
Manganese	05/20/03	34.7	50	5.0	0.5
Mercury	05/15/03	ND	2	0.20	0.15
Nickel	05/20/03	33.9	100	5.0	1.0
Potassium	05/20/03	4950	NLE	200	40.0
Selenium	05/20/03	ND	50	10	3.0
Silver	05/20/03	ND	20	5.0	1.0
Sodium	05/20/03	17700	50000	200	20.0
Thallium	05/20/03	ND	10	10	2.0
Vanadium	05/20/03	0.821	NLE	5.0	0.5
Zinc	05/20/03	221	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3018010
 Sample Received: 04/21/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW16

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	05/20/03	280	200	100	10.0
Antimony	05/20/03	ND	20	10	2.0
Arsenic	05/20/03	13.6	8	5.0	2.0
Barium	05/20/03	154	2000	10	0.5
Beryllium	05/20/03	ND	20	0.25	0.5
Cadmium	05/20/03	1.12	4	1.0	0.5
Calcium	05/20/03	18700	NLE	100	20.0
Chromium	05/20/03	1.15	100	10	0.5
Cobalt	05/20/03	1.90	NLE	5.0	0.5
Copper	05/20/03	ND	1000	10	2.0
Iron	05/20/03	16400	300	200	10.0
Lead	05/20/03	ND	10	5.0	1.0
Magnesium	05/20/03	6890	NLE	100	10.0
Manganese	05/20/03	84.7	50	5.0	0.5
Mercury	05/15/03	ND	2	0.20	0.15
Nickel	05/20/03	7.31	100	5.0	1.0
Potassium	05/20/03	4860	NLE	200	40.0
Selenium	05/20/03	ND	50	10	3.0
Silver	05/20/03	ND	20	5.0	1.0
Sodium	05/20/03	25800	50000	200	20.0
Thallium	05/20/03	ND	10	10	2.0
Vanadium	05/20/03	1.30	NLE	5.0	0.5
Zinc	05/20/03	17.1	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3018011
 Sample Received: 04/21/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW18

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	05/20/03	800	200	100	10.0
Antimony	05/20/03	ND	20	10	2.0
Arsenic	05/20/03	20.8	8	5.0	2.0
Barium	05/20/03	4490	2000	10	0.5
Beryllium	05/20/03	0.62	20	0.25	0.5
Cadmium	05/20/03	11.4	4	1.0	0.5
Calcium	05/20/03	41500	NLE	100	20.0
Chromium	05/20/03	2.05	100	10	0.5
Cobalt	05/20/03	ND	NLE	5.0	0.5
Copper	05/20/03	ND	1000	10	2.0
Iron	05/20/03	204000	300	200	10.0
Lead	05/20/03	5.65	10	5.0	1.0
Magnesium	05/20/03	5390	NLE	100	10.0
Manganese	05/20/03	137	50	5.0	0.5
Mercury	05/15/03	ND	2	0.20	0.15
Nickel	05/20/03	ND	100	5.0	1.0
Potassium	05/20/03	10400	NLE	200	40.0
Selenium	05/20/03	ND	50	10	3.0
Silver	05/20/03	ND	20	5.0	1.0
Sodium	05/20/03	8130	50000	200	20.0
Thallium	05/20/03	ND	10	10	2.0
Vanadium	05/20/03	ND	NLE	5.0	0.5
Zinc	05/20/03	82.5	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3018012
 Sample Received: 04/21/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW19

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	05/20/03	97.4	200	100	10.0
Antimony	05/20/03	ND	20	10	2.0
Arsenic	05/20/03	ND	8	5.0	2.0
Barium	05/20/03	52.5	2000	10	0.5
Beryllium	05/20/03	ND	20	0.25	0.5
Cadmium	05/20/03	0.724	4	1.0	0.5
Calcium	05/20/03	22100	NLE	100	20.0
Chromium	05/20/03	ND	100	10	0.5
Cobalt	05/20/03	ND	NLE	5.0	0.5
Copper	05/20/03	ND	1000	10	2.0
Iron	05/20/03	11800	300	200	10.0
Lead	05/20/03	ND	10	5.0	1.0
Magnesium	05/20/03	4090	NLE	100	10.0
Manganese	05/20/03	55.2	50	5.0	0.5
Mercury	05/15/03	ND	2	0.20	0.15
Nickel	05/20/03	ND	100	5.0	1.0
Potassium	05/20/03	7780	NLE	200	40.0
Selenium	05/20/03	ND	50	10	3.0
Silver	05/20/03	ND	20	5.0	1.0
Sodium	05/20/03	8440	50000	200	20.0
Thallium	05/20/03	ND	10	10	2.0
Vanadium	05/20/03	ND	NLE	5.0	0.5
Zinc	05/20/03	8.60	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3018013
 Sample Received: 04/21/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW20

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	05/20/03	431	200	100	10.0
Antimony	05/20/03	ND	20	10	2.0
Arsenic	05/20/03	ND	8	5.0	2.0
Barium	05/20/03	30.7	2000	10	0.5
Beryllium	05/20/03	ND	20	0.25	0.5
Cadmium	05/20/03	ND	4	1.0	0.5
Calcium	05/20/03	63300	NLE	100	20.0
Chromium	05/20/03	3.30	100	10	0.5
Cobalt	05/20/03	ND	NLE	5.0	0.5
Copper	05/20/03	ND	1000	10	2.0
Iron	05/20/03	1370	300	200	10.0
Lead	05/20/03	ND	10	5.0	1.0
Magnesium	05/20/03	19700	NLE	100	10.0
Manganese	05/20/03	32.9	50	5.0	0.5
Mercury	05/15/03	ND	2	0.20	0.15
Nickel	05/20/03	3.21	100	5.0	1.0
Potassium	05/20/03	3940	NLE	200	40.0
Selenium	05/20/03	ND	50	10	3.0
Silver	05/20/03	ND	20	5.0	1.0
Sodium	05/20/03	115000	50000	200	20.0
Thallium	05/20/03	ND	10	10	2.0
Vanadium	05/20/03	2.23	NLE	5.0	0.5
Zinc	05/20/03	12.9	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
 * Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
 R.L= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3018014
 Sample Received: 04/21/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW23

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	05/20/03	1060	200	100	10.0
Antimony	05/20/03	ND	20	10	2.0
Arsenic	05/20/03	13.2	8	5.0	2.0
Barium	05/20/03	15.7	2000	10	0.5
Beryllium	05/20/03	ND	20	0.25	0.5
Cadmium	05/20/03	1.93	4	1.0	0.5
Calcium	05/20/03	8980	NLE	100	20.0
Chromium	05/20/03	12.9	100	10	0.5
Cobalt	05/20/03	ND	NLE	5.0	0.5
Copper	05/20/03	ND	1000	10	2.0
Iron	05/20/03	37000	300	200	10.0
Lead	05/20/03	ND	10	5.0	1.0
Magnesium	05/20/03	2070	NLE	100	10.0
Manganese	05/20/03	22.2	50	5.0	0.5
Mercury	05/15/03	ND	2	0.20	0.15
Nickel	05/20/03	ND	100	5.0	1.0
Potassium	05/20/03	3080	NLE	200	40.0
Selenium	05/20/03	ND	50	10	3.0
Silver	05/20/03	ND	20	5.0	1.0
Sodium	05/20/03	70100	50000	200	20.0
Thallium	05/20/03	ND	10	10	2.0
Vanadium	05/20/03	8.82	NLE	5.0	0.5
Zinc	05/20/03	15.2	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3018015
 Sample Received: 04/21/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW25

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	05/20/03	194	200	100	10.0
Antimony	05/20/03	ND	20	10	2.0
Arsenic	05/20/03	ND	8	5.0	2.0
Barium	05/20/03	47.5	2000	10	0.5
Beryllium	05/20/03	ND	20	0.25	0.5
Cadmium	05/20/03	0.84	4	1.0	0.5
Calcium	05/20/03	9460	NLE	100	20.0
Chromium	05/20/03	9.55	100	10	0.5
Cobalt	05/20/03	1.41	NLE	5.0	0.5
Copper	05/20/03	25.9	1000	10	2.0
Iron	05/20/03	2500	300	200	10.0
Lead	05/20/03	ND	10	5.0	1.0
Magnesium	05/20/03	3480	NLE	100	10.0
Manganese	05/20/03	24.1	50	5.0	0.5
Mercury	05/15/03	ND	2	0.20	0.15
Nickel	05/20/03	9.36	100	5.0	1.0
Potassium	05/20/03	2410	NLE	200	40.0
Selenium	05/20/03	ND	50	10	3.0
Silver	05/20/03	ND	20	5.0	1.0
Sodium	05/20/03	35100	50000	200	20.0
Thallium	05/20/03	ND	10	10	2.0
Vanadium	05/20/03	0.88	NLE	5.0	0.5
Zinc	05/20/03	305	5000	500	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L= Reporting limit. Note: The results reported between MDL and RL are estimated.

SOURCE: 00M5MW10

Sampling Dates:
05/08/1997 - 04/21/2003

NOTES:

Lab	Iron	Manganese	Aluminum	Chromium	Copper	Lead	Nickel	Depth to Water	Notes
	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	
Units:									
NJDEP Criteria:	300	50	200	100	1000	10	100	-	-
05/08/1997	4080	87	-	-	-	-	-	4.20	V,S,P,M
08/08/1997	1680	59	-	-	-	-	-	4.40	V,S,P,M
10/29/1997	7386	200	105	2.6	11	8	1.3	4.30	V,S,P,M
02/18/1998	4899	138	96	ND	10	ND	2.3	3.00	V,S,P,M
05/06/1998	6027	75	60.1	ND	10	ND	2.2	3.90	V,S,P,M
08/04/1998	2850	35.4	103	3.33	ND	ND	ND	4.54	V,S,P,M
10/27/1998	3690	47.8	106	3.98	6.27	2.45	1.53	5.03	V,S,P,M
02/02/1999	8760	175	ND	3.17	5.29	ND	1.81	4.07	V,S,P,M
04/13/1999	6110	135	43.9	4.09	22.1	3.79	0.584	3.81	V,S,P,M
09/13/1999	4330	66.7	ND	5.11	10.1	ND	ND	4.83	V,S,P,M
11/18/1999	5880	33.6	21.4	4.68	34.6	ND	1.71	4.65	V,S,P,M
03/03/2000	11700	166	404	6.39	7.40	14.9	2.15	4.53	V,S,P,M
05/31/2000	6360	86.8	429	8.43	ND	8.36	1.62	4.30	V,S,P,M
06/21/2000	5940	218	259	ND	7.39	3.56	ND	4.43	V,S,P,M
12/11/2000	3250	92.2	86.1	ND	ND	ND	ND	4.57	V,S,P,M
03/19/2001	23600	796	80	5.8	11.0	ND	ND	4.37	V,S,P,M
06/05/2001	14200	237	ND	2.83	16.7	4.50	4.64	4.32	V,S,P,M
09/05/2001	4130	76.8	ND	3.73	17.1	ND	ND	4.89	V,S,P,M
10/04/2001	27400	1180	ND	2.30	10.4	3.33	9.96	4.29	V,S,P,M
01/14/2002	14400	524	25.5	2.90	5.11	3.42	ND	4.96	V,S,P,M
04/23/2002	10000	112	79.8	3.80	10.1	3.07	ND	4.93	V,S,P,M
08/21/2002	1460	62.3	246	2.05	14.9	ND	2.21	4.94	V,S,P,M
10/28/2002	6260	304	281	2.45	10.8	4.45	ND	4.14	V,S,P,M
01/22/2003	17100	252	306	5.53	6.26	3.39	ND	4.43	V,S,P,M
04/21/2003	15400	1060	241	1.46	8.87	2.34	3.59	4.07	V,S,P,M

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 3 of 14

Ag in blank > GW Criteria for 5/8/97.

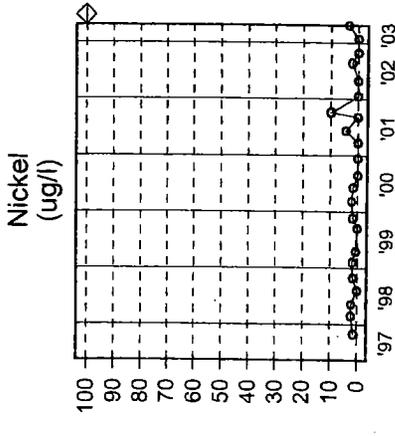
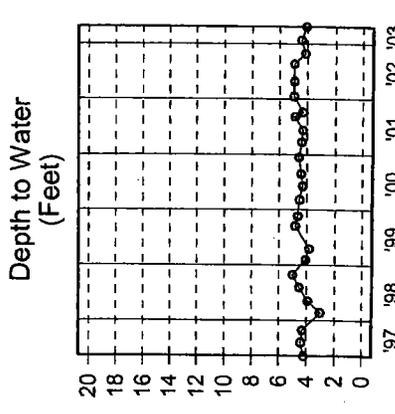
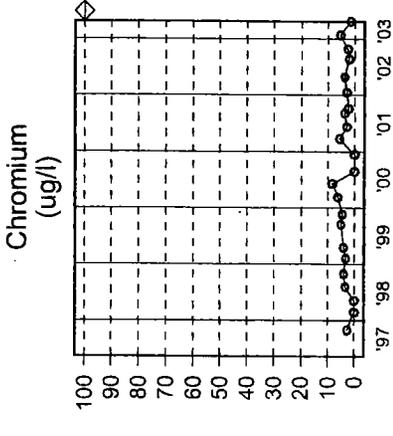
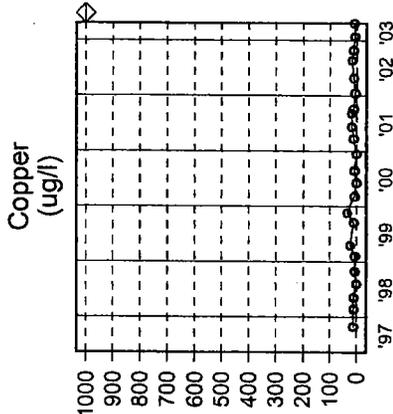
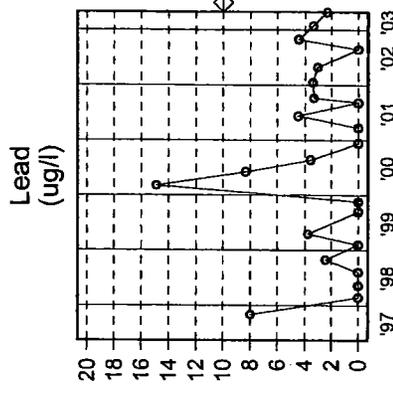
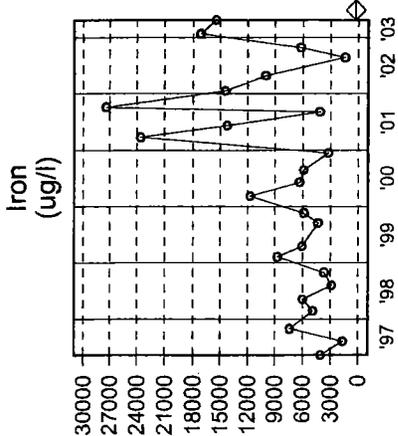
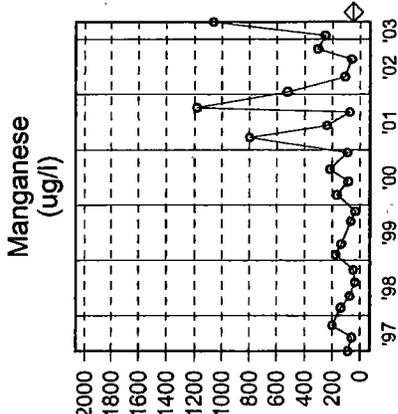
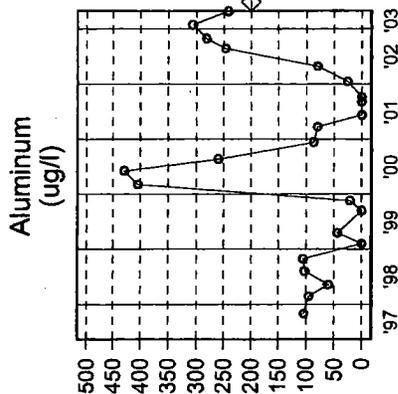


U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW10

Sampling Dates:

05/08/1997 - 04/21/2003



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 3 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-Dichloro ethene	Tri chloro ethene	Tetra chloro ethene	Iron	Manganese	Aluminum	Chromium	Copper	Depth to Water	Notes
NJDEP Criteria:	-	10	1	1	300	50	200	100	1000	Feet	-
05/08/1997	FMETL	ND	ND	63	4060	85	-	-	-	7.10	V,S,P,M
08/08/1997	FMETL	ND	ND	58	110	66	-	-	-	7.70	V,S,P,M
10/29/1997	FMETL	ND	ND	65	1551	12.7	689	5.4	16	7.75	V,S,P,M
02/18/1998	FMETL	ND	ND	39	305	32	222	ND	17	6.65	V,S,P,M
05/06/1998	FMETL	ND	ND	24.39	58	6.4	ND	ND	6.8	6.80	V,S,P,M
08/04/1998	FMETL	ND	ND	18.37	1500	16.9	4570	16.5	3.37	7.91	V,S,P,M
10/27/1998	FMETL	ND	ND	52.64	184	7.74	78.8	ND	7.86	8.51	V,S,P,M
02/02/1999	FMETL	ND	ND	5.16	1670	44.4	267	3.34	ND	6.99	V,S,P,M
04/13/1999	FMETL	ND	ND	33.38	227	9.71	92.9	1.72	8.28	7.16	V,S,P,M
09/13/1999	FMETL	ND	ND	49.25	680	16.5	ND	2.11	4.28	8.35	V,S,P,M
11/18/1999	FMETL	ND	ND	74.12	30.5	ND	ND	ND	8.54	7.62	V,S,P,M
03/03/2000	FMETL	ND	ND	30.62	330	9.56	189	ND	ND	7.21	V,S,P,M
05/31/2000	FMETL	ND	ND	13.38	657	10.1	76.2	2.72	ND	7.28	V,S,P,M
08/21/2000	FMETL	ND	ND	18.79	438	38.8	350	ND	108	6.97	V,S,P,M
08/21/2000D	FMETL	ND	ND	19.64	583	38	414	ND	37.2	6.97	V,S,P,M
12/11/2000	FMETL	ND	ND	18.86	5580	24.4	279	4.63	ND	7.43	V,S,P,M
12/11/2000D	FMETL	ND	ND	17.98	5610	25.4	260	4.22	ND	7.43	V,S,P,M
03/19/2001	FMETL	ND	ND	11.01	35200	17.7	240	3.1	8.0	6.77	V,S,P,M
06/05/2001	FMETL	ND	ND	11.27	6590	31.9	ND	1.46	8.21	7.26	V,S,P,M
09/05/2001	FMETL	6.64	1.28	6.11	31100	93.3	ND	2.04	68.4	8.05	V,S,P,M
10/04/2001	FMETL	ND	1.05	15.13	18500	62.7	75.2	2.45	2.70	7.88	V,S,P,M
01/14/2002	FMETL	ND	1.40	19.04	10400	174	31.1	2.04	2.25	7.83	V,S,P,M
04/23/2002	FMETL	ND	ND	14.43	7850	34.2	48.1	2.03	3.17	7.54	V,S,P,M
08/21/2002	FMETL	7.39	ND	8.90	18000	61.3	137	2.82	ND	8.25	V,S,P,M
10/28/2002	FMETL	ND	ND	8.14	2240	15.8	111	2.26	ND	6.81	V,S,P,M
01/22/2003	FMETL	ND	1.06	5.20	5250	15.6	202	2.49	ND	7.00	V,S,P,M
04/21/2003	FMETL	ND	ND	4.50	4000	22.3	185	1.75	1.15	6.70	V,S,P,M

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 4 of 14

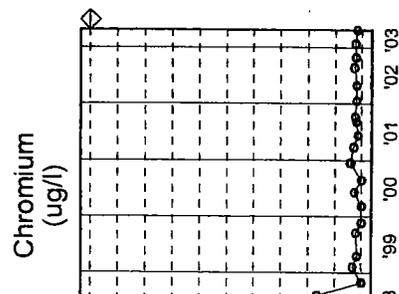
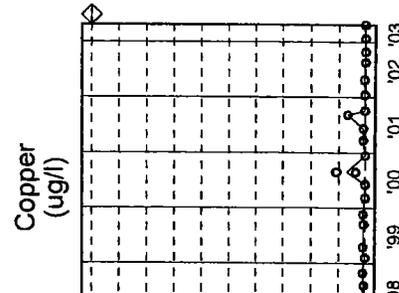
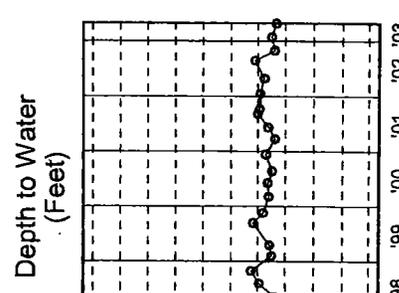
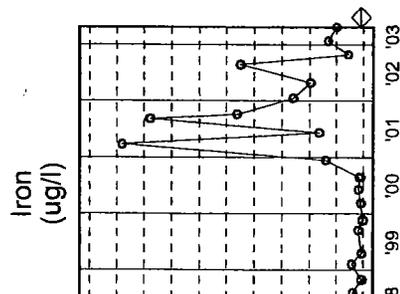
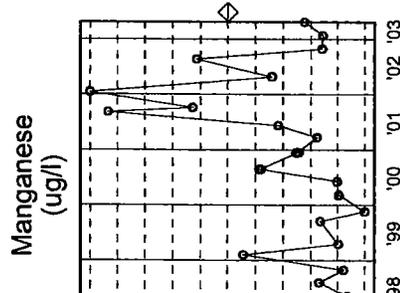
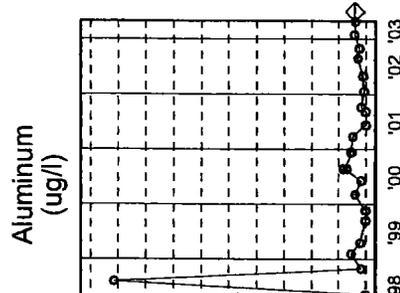
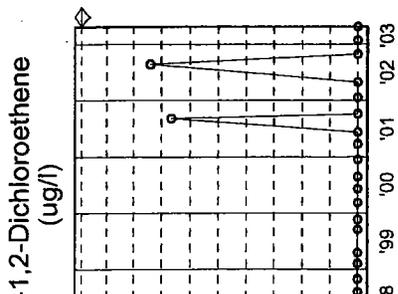
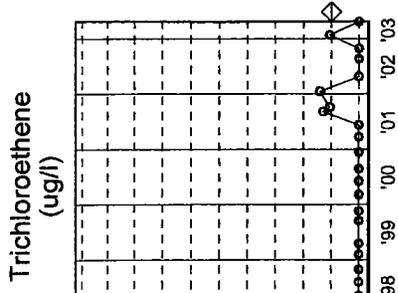
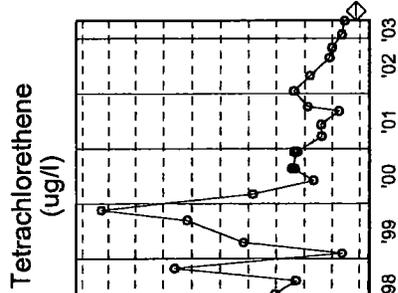
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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW11

Sampling Dates:
05/08/1997 - 04/21/2003



LEGEND:

PARAMETER

- o = Date Sampled
- ◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 4 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW12

Sampling Dates:
10/07/1998 - 04/21/2003

NOTES:
Well installed 9/98.

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 5 of 14

Ag in blank > GW Criteria for 5/8/97.

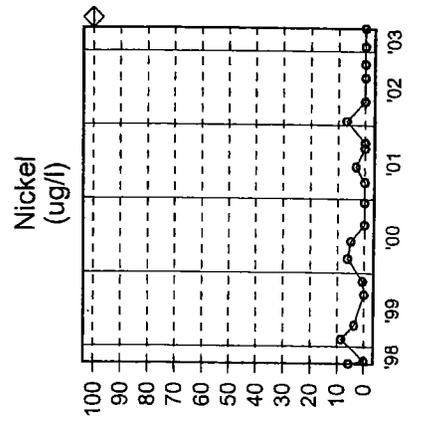
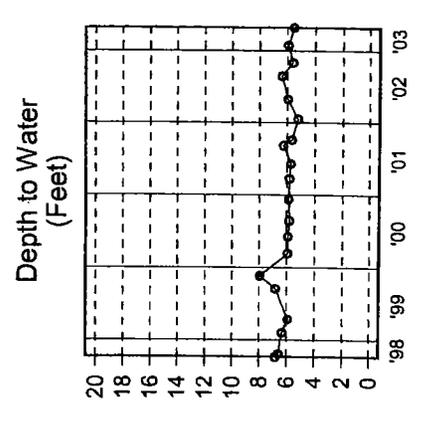
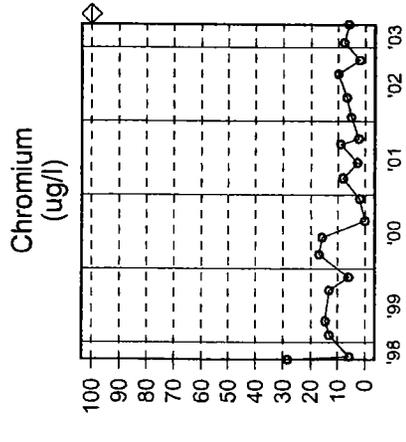
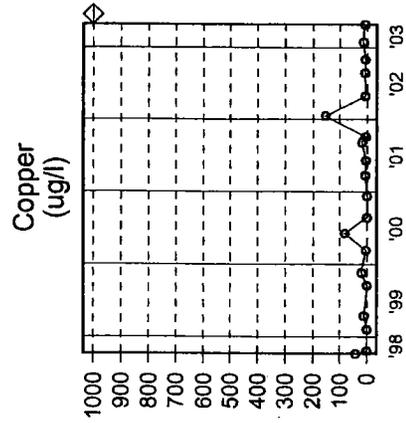
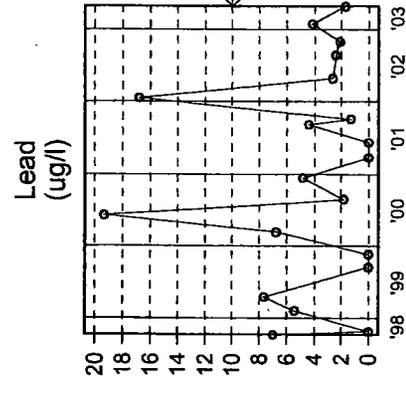
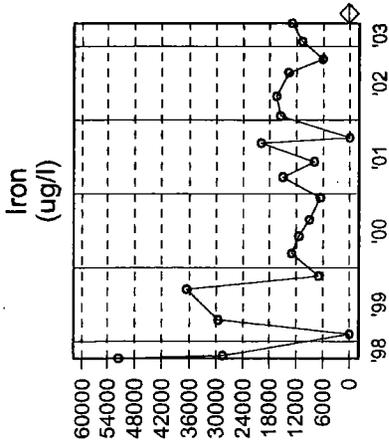
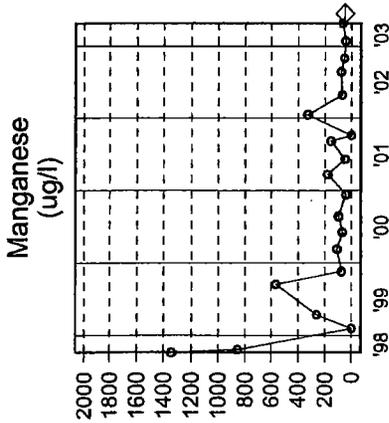
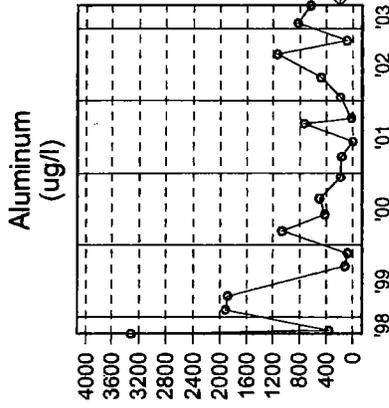


Units:	Lab	Iron	Manganese	Aluminum	Chromium	Copper	Lead	Nickel	Depth to Water	Notes
ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	
NJDEP Criteria:	-	300	50	200	100	1000	10	100	-	-
10/07/1998	FMETL	51400	1340	3310	28.5	40	7	5.7	6.86	V,S,P,M
10/21/1998	FMETL	28400	853	359	5.87	ND	ND	ND	6.62	V,S,P,M
02/02/1999	FMETL	ND	ND	1910	13.2	ND	5.45	8.54	6.36	V,S,P,M
04/13/1999	FMETL	29500	263	1880	14.8	11.1	7.66	3.79	5.92	V,S,P,M
09/13/1999	FMETL	36500	566	119	13.3	ND	ND	ND	6.86	V,S,P,M
11/18/1999	FMETL	7020	76.9	80.9	6.06	19.2	ND	0.594	7.96	V,S,P,M
03/06/2000	FMETL	13000	109	1060	17.1	3.71	6.78	6.29	5.95	V,S,P,M
05/31/2000	FMETL	11400	67.9	422	15.9	82.6	19.3	5.28	5.93	V,S,P,M
08/21/2000	FMETL	9060	97	503	ND	ND	1.83	ND	5.84	V,S,P,M
12/11/2000	FMETL	6620	43.8	189	1.88	ND	4.85	ND	5.89	V,S,P,M
03/19/2001	FMETL	15100	181	170	8.2	6.0	ND	ND	5.83	V,S,P,M
06/05/2001	FMETL	8030	50.8	ND	2.75	3.89	ND	3.31	5.73	V,S,P,M
09/05/2001	FMETL	19900	155	732	8.87	18.0	4.43	ND	6.29	V,S,P,M
10/04/2001	FMETL	ND	ND	24.6	2.28	3.42	1.30	ND	5.64	V,S,P,M
01/14/2002	FMETL	15600	328	192	5.28	155	16.8	7.06	5.21	V,S,P,M
04/23/2002	FMETL	16500	72.4	481	6.75	5.94	2.64	ND	5.98	V,S,P,M
08/21/2002	FMETL	13800	78.1	1140	9.97	7.24	2.40	ND	6.41	V,S,P,M
10/28/2002	FMETL	6090	54.6	90.9	1.95	5.87	2.12	ND	5.60	V,S,P,M
01/22/2003	FMETL	10700	45.9	830	7.71	13.3	4.16	ND	5.95	V,S,P,M
04/21/2003	FMETL	13000	67.1	639	6.11	7.50	1.72	ND	5.53	V,S,P,M

SOURCE: 00M5MW12

Sampling Dates:

10/07/1998 - 04/21/2003



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 5 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW13
 Sampling Dates:
 10/21/1998 - 04/21/2003

NOTES:
 Well installed 9/98.

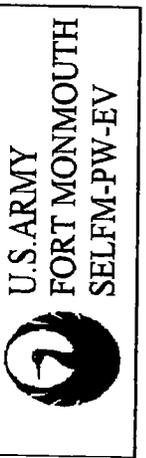
Units:	Lab	Iron	Manganese	Aluminum	Chromium	Copper	Lead	Nickel	Depth to Water	Notes
NJDEP Criteria:	-	ug/l 300	ug/l 50	ug/l 200	ug/l 100	ug/l 1000	ug/l 10	ug/l 100	Feet -	-
10/21/1998	FMETL	11700	203	287	5.25	ND	ND	ND	3.75	V,S,P,M
02/02/1999	FMETL	9810	137	244	5.80	5.72	17.6	3.35	2.67	V,S,P,M
04/13/1999	FMETL	1170	18.4	64.8	3.40	5	2.37	0.743	2.48	V,S,P,M
09/13/1999	FMETL	9520	203	225	14.1	7.59	ND	2.75	3.41	V,S,P,M
11/18/1999	FMETL	9860	87.8	901	13.4	15.2	3.04	1.80	3.40	V,S,P,M
03/06/2000	FMETL	26300	366	282	10.8	ND	3.62	4.70	2.64	V,S,P,M
05/31/2000	FMETL	12900	173	174	7.31	ND	ND	1.79	2.54	V,S,P,M
08/21/2000	FMETL	7170	261	301	ND	ND	2.49	2.11	2.39	V,S,P,M
12/11/2000	FMETL	16500	255	128	ND	ND	11.7	ND	2.68	V,S,P,M
03/19/2001	FMETL	24200	717	510	6.7	9.0	ND	ND	2.23	V,S,P,M
06/05/2001	FMETL	12100	357	ND	2.26	2.18	ND	3.98	2.44	V,S,P,M
09/05/2001	FMETL	17300	348	711	10.2	13.3	5.36	ND	3.12	V,S,P,M
10/04/2001	FMETL	27000	880	16.0	1.84	65.4	284	ND	2.24	V,S,P,M
01/14/2002	FMETL	33300	1030	66.5	2.69	5.79	1.81	ND	2.53	V,S,P,M
04/23/2002	FMETL	25200	391	606	6.75	113	11.1	3.85	2.73	V,S,P,M
08/21/2002	FMETL	11900	237	179	4.33	19.0	ND	ND	3.32	V,S,P,M
10/28/2002	FMETL	10900	364	132	1.94	ND	2.02	ND	2.08	V,S,P,M
01/22/2003	FMETL	29600	339	246	3.56	2.52	3.26	ND	2.37	V,S,P,M
04/21/2003	FMETL	20900	415	152	1.64	ND	ND	ND	2.03	V,S,P,M

FORT MONMOUTH

GW MONITORING
 Bldg. M-5

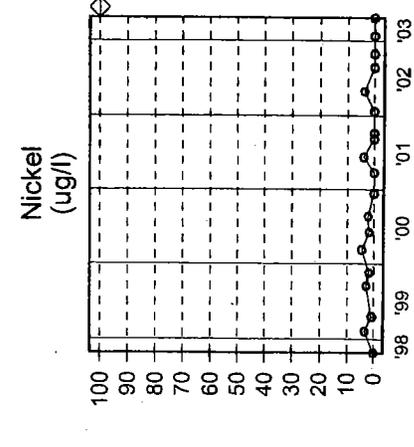
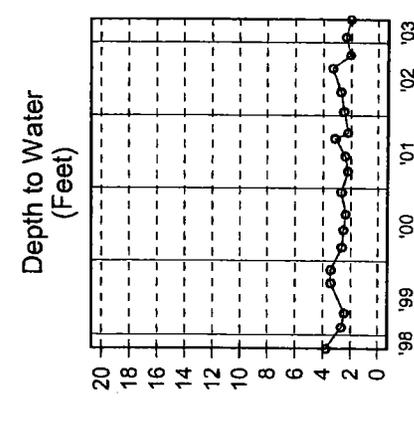
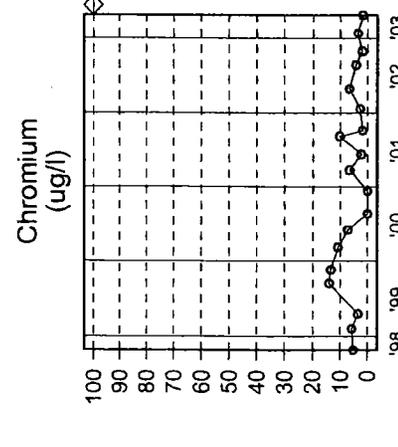
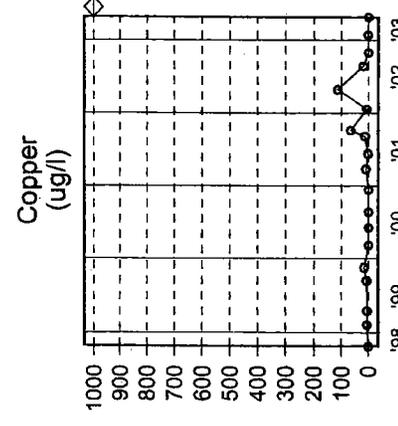
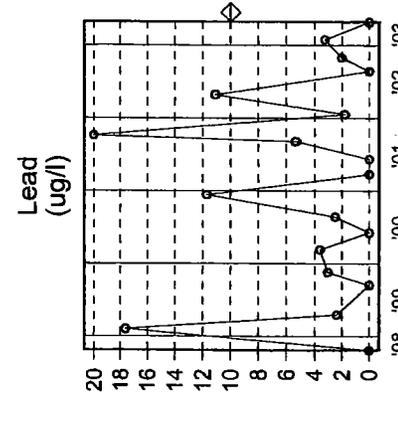
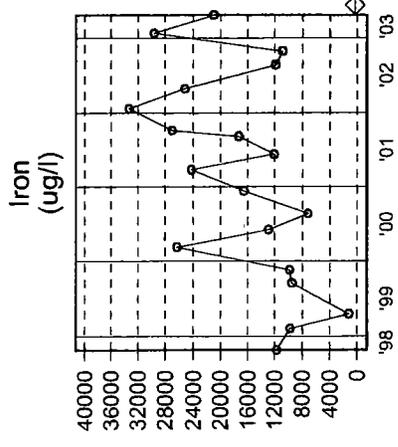
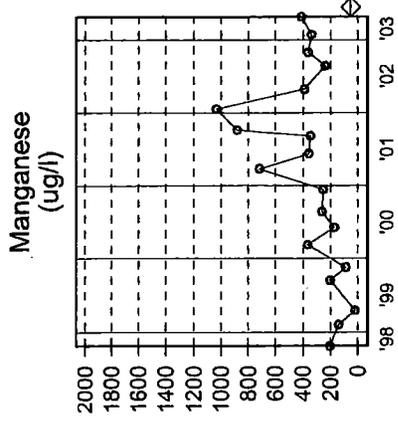
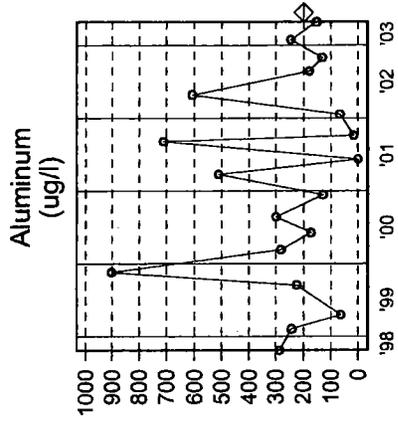
Source 6 of 14

Ag in blank > GW Criteria for 5/8/97.



SOURCE: 00M5MW13

Sampling Dates:
10/21/1998 - 04/21/2003



LEGEND:

PARAMETER

- o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 6 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW14

Sampling Dates:
10/07/1998 - 04/21/2003

NOTES:
Well installed 9/98.

Units:	Lab	Iron	Manganese	Aluminum	Chromium	Copper	Lead	Nickel	Depth to Water	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
		300	50	200	100	1000	10	100	-	-
10/07/1998	FMETL	ND	ND	1210	10.8	ND	ND	2.2	3.54	V,S,P,M
10/21/1998	FMETL	911	15	120	1.16	ND	ND	ND	4.24	V,S,P,M
02/02/1999	FMETL	1910	20.7	172	5.25	8.6	ND	1.96	2.63	V,S,P,M
04/13/1999	FMETL	14000	191	658	9.65	7.48	6.77	2.70	2.57	V,S,P,M
09/13/1999	FMETL	571	16.4	ND	3.31	10.5	ND	ND	4.35	V,S,P,M
11/18/1999	FMETL	639	17.9	ND	2.92	9.21	ND	1.27	3.92	V,S,P,M
03/06/2000	FMETL	6660	29.1	79.2	5.06	ND	ND	3.66	2.75	V,S,P,M
05/31/2000	FMETL	2480	178	ND	4.45	ND	ND	5.55	3.55	V,S,P,M
08/21/2000	FMETL	844	96.3	242	ND	34.6	12	4.85	2.71	V,S,P,M
12/11/2000	FMETL	6920	21.5	234	1.53	ND	ND	ND	3.48	V,S,P,M
03/19/2001	FMETL	12400	18.4	20.0	2.60	8.0	ND	ND	3.66	V,S,P,M
06/05/2001	FMETL	758	14.3	ND	0.986	ND	ND	3.43	3.57	V,S,P,M
09/05/2001	FMETL	987	30.0	ND	1.04	8.84	ND	ND	3.30	V,S,P,M
10/04/2001	FMETL	953	14.2	27.2	1.16	10.5	ND	ND	2.91	V,S,P,M
01/14/2002	FMETL	6010	165	11.7	1.99	2.82	ND	ND	3.97	V,S,P,M
04/23/2002	FMETL	4850	18.5	69.0	2.40	3.52	ND	1.59	3.23	V,S,P,M
08/21/2002	FMETL	874	21.5	21.2	ND	11.8	1.81	ND	3.29	V,S,P,M
10/28/2002	FMETL	1110	632	18.3	1.97	ND	ND	3.70	2.29	V,S,P,M
01/22/2003	FMETL	20100	221	72.5	2.35	2.96	ND	1.46	3.42	V,S,P,M
04/21/2003	FMETL	21100	35.7	174	3.81	ND	ND	ND	3.17	V,S,P,M

FORT MONMOUTH

GW MONITORING
Bldg. M-5

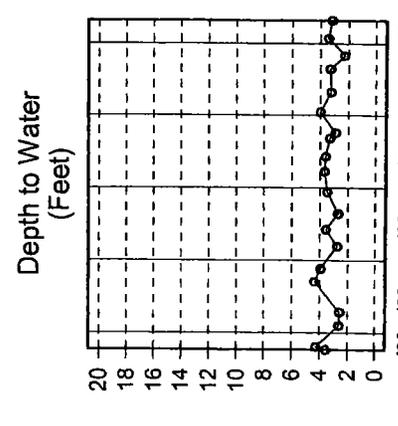
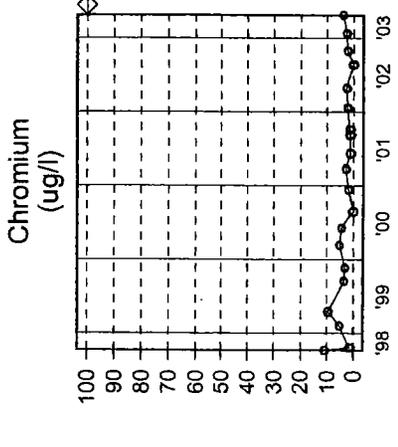
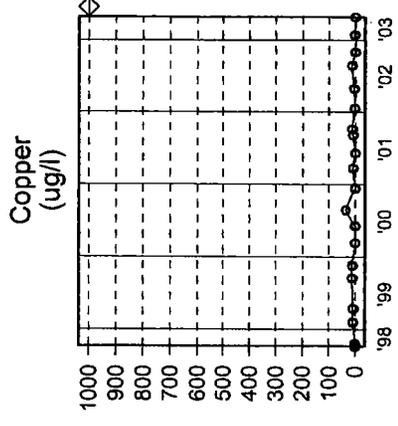
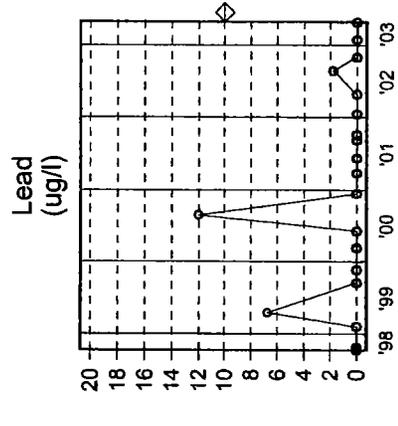
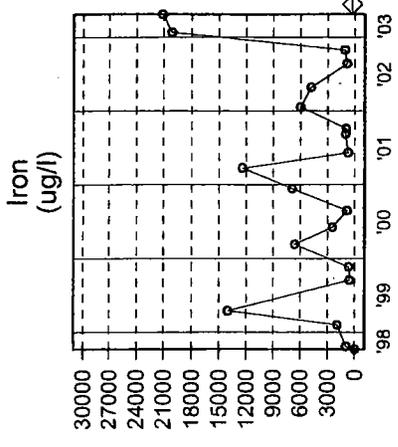
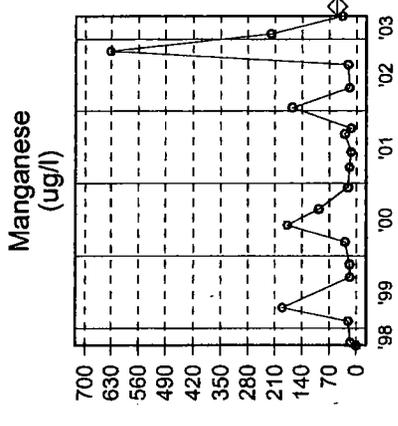
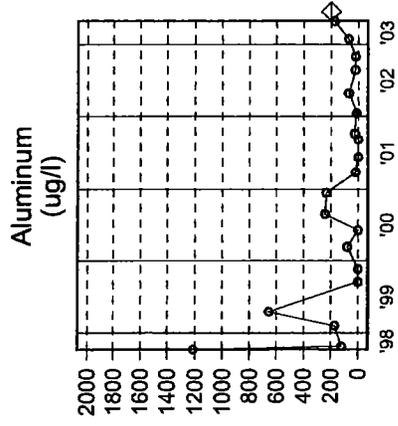
Source 7 of 14

Ag in blank > GW Criteria for 5/8/97.



SOURCE: 00M5MW14

Sampling Dates:
10/07/1998 - 04/21/2003



LEGEND:

PARAMETER

- o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 7 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	Iron	Manganese	Aluminum	Chromium	Copper	Lead	Nickel	Depth to Water	Notes
ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	
NJDEP Criteria:	-	300	50	200	100	1000	10	100	-	-
04/14/1999	FMETL	654	30.2	606	2.98	ND	ND	15.2	8.59	V,S,P,M
04/28/1999	FMETL	108	20.7	564	1.97	ND	ND	15.2	9.04	V,S,P,M
09/14/1999	FMETL	1050	15.7	702	5.30	5.18	ND	13.4	11.03	V,S,P,M
11/18/1999	FMETL	316	13.9	357	2.72	7.64	ND	14.2	9.87	V,S,P,M
03/03/2000	FMETL	477	16.8	508	ND	6.47	ND	19.1	8.68	V,S,P,M
05/31/2000	FMETL	203	18.2	441	3.88	ND	ND	18.5	8.88	V,S,P,M
08/21/2000	FMETL	510	27.3	933	ND	ND	ND	16.7	8.21	V,S,P,M
12/11/2000	FMETL	319	16.7	556	ND	ND	ND	12.4	9.48	V,S,P,M
03/19/2001	FMETL	300	23.9	1100	2.90	20.0	ND	25.0	7.88	V,S,P,M
06/05/2001	FMETL	150	31.1	996	2.27	ND	ND	36.0	7.93	V,S,P,M
09/05/2001	FMETL	788	27.1	1220	6.92	9.43	1.64	23.9	10.35	V,S,P,M
10/04/2001	FMETL	588	21.0	981	3.60	8.15	3.22	21.5	10.24	V,S,P,M
01/14/2002	FMETL	334	15.7	629	2.04	2.55	ND	21.3	10.51	V,S,P,M
04/23/2002	FMETL	48.2	19.5	676	1.78	2.33	ND	19.4	9.49	V,S,P,M
08/21/2002	FMETL	93.6	14.9	624	0.633	3.58	ND	16.2	10.70	V,S,P,M
10/28/2002	FMETL	797	15.5	511	1.25	ND	1.32	13.2	7.87	V,S,P,M
01/22/2003	FMETL	276	17.5	708	1.01	ND	ND	16.9	7.91	V,S,P,M
04/21/2003	FMETL	586	34.7	1790	1.81	ND	ND	33.9	7.27	V,S,P,M

SOURCE: 00M5MW15

Sampling Dates:
04/14/1999 - 04/21/2003

NOTES:
Installed 3/99

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 8 of 14

Ag in blank > GW Criteria for 5/8/97.

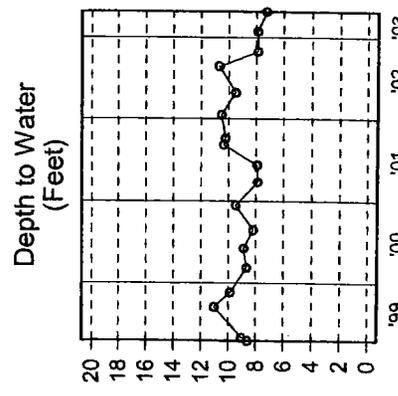
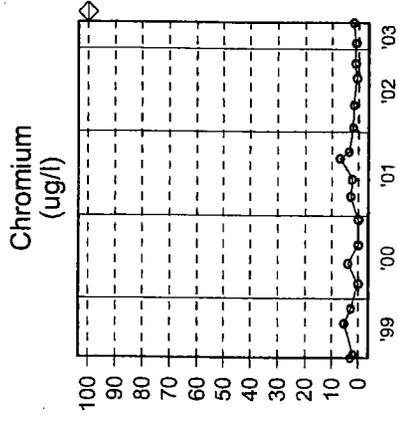
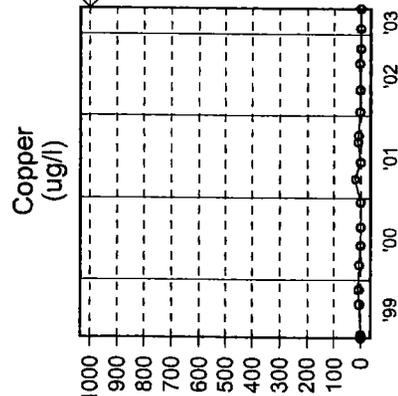
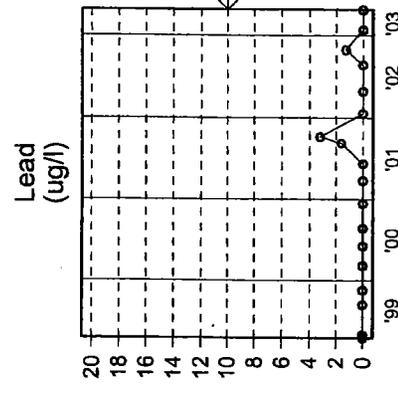
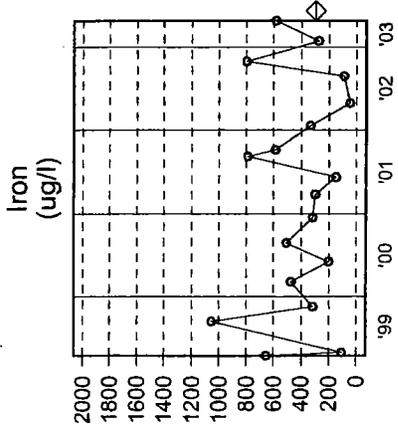
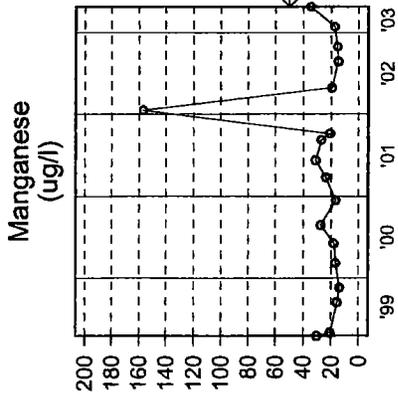
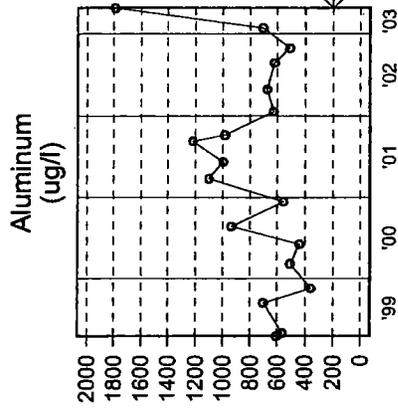


U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

SOURCE: 00M5MW15

Sampling Dates:

04/14/1999 - 04/21/2003



LEGEND:

PARAMETER

- o = Date Sampled
- ◇ = NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 8 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW16

Sampling Dates:
04/14/1999 - 04/21/2003

NOTES:

Installed 3/99.

Units:	Lab	cis-1,2-Dichloro ethene	Tri chloro ethene	Tetra chloro ethene	Iron	Manganese	Aluminum	Chromium	Nickel	Depth to Water	Notes
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	
NJDEP Criteria:	-	10	1	1	300	50	200	100	100	-	-
04/14/1999	FMETL	ND	ND	96.37	4770	29.2	1030	8.33	6.65	6.96	V,S,P,M
04/28/1999	FMETL	ND	ND	8.35	11800	31.9	1240	8.43	5.88	7.26	V,S,P,M
09/14/1999	FMETL	ND	ND	639.7	11100	32.1	3510	37.4	10.8	8.66	V,S,P,M
11/18/1999	FMETL	ND	ND	54.42	9840	24.7	242	1.72	6.73	7.76	V,S,P,M
03/03/2000	FMETL	ND	ND	37.76	37800	119	848	3830	24700	7.00	V,S,P,M
05/31/2000	FMETL	ND	ND	27.79	10000	35.8	78.2	1.99	8.11	7.06	V,S,P,M
08/21/2000	FMETL	ND	ND	20.36	8060	49.3	293	ND	6.59	6.70	V,S,P,M
12/11/2000	FMETL	ND	ND	23.20	11400	33.2	258	ND	1.43	7.40	V,S,P,M
03/19/2001	FMETL	ND	ND	17.88	13000	73.0	220	15.1	22.0	6.37	V,S,P,M
06/05/2001	FMETL	ND	ND	24.47	14500	46.6	ND	0.982	10.5	7.02	V,S,P,M
09/05/2001	FMETL	ND	ND	205.77	14800	83.4	175	1.90	14.8	8.14	V,S,P,M
10/04/2001	FMETL	ND	ND	620.81	32100	83.0	1710	15.6	16.1	8.04	V,S,P,M
01/14/2002	FMETL	1.93	1.93	839.5	9910	197	863	2.73	20.3	8.04	V,S,P,M
04/23/2002	FMETL	69.44	35.84	213.53	10000	63.5	1010	5.39	15.1	7.52	V,S,P,M
06/21/2002	FMETL	3.38	ND	416.79	4560	112	1560	5.66	32.6	8.53	V,S,P,M
10/28/2002	FMETL	103.82	2.23	42.41	32300	85.6	446	7.10	15.3	6.84	V,S,P,M
01/22/2003	FMETL	22.02	1.36	31.09	14600	45.2	301	1.92	7.06	6.45	V,S,P,M
04/21/2003	FMETL	16.12	2.16	8.50	16400	84.7	280	1.15	7.31	6.04	V,S,P,M

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 9 of 14

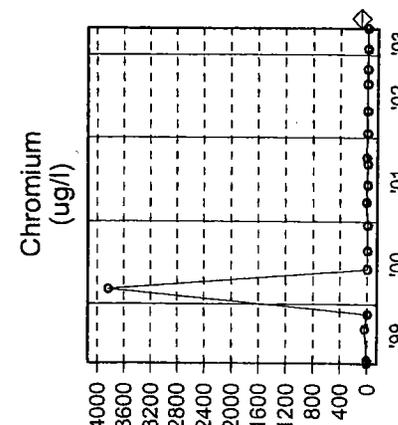
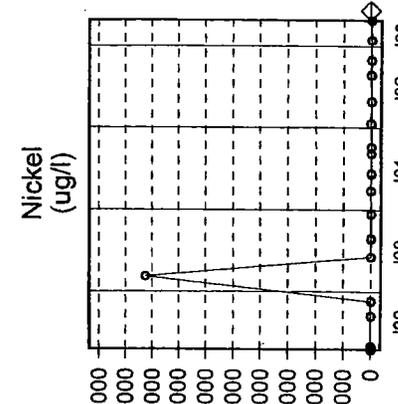
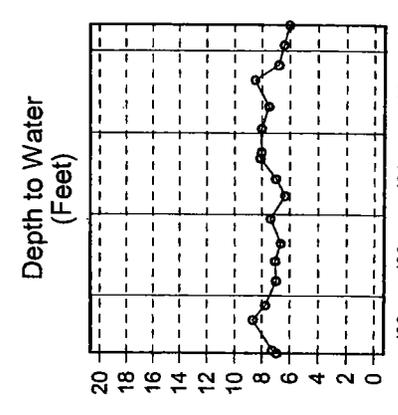
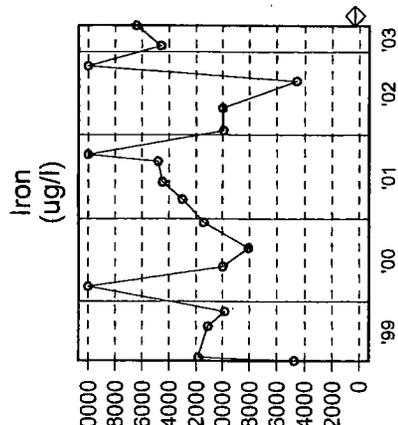
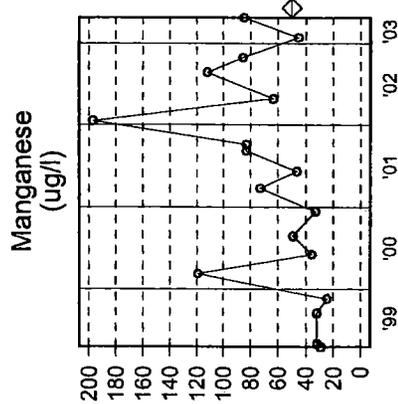
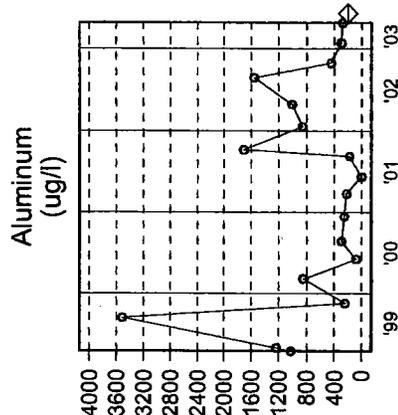
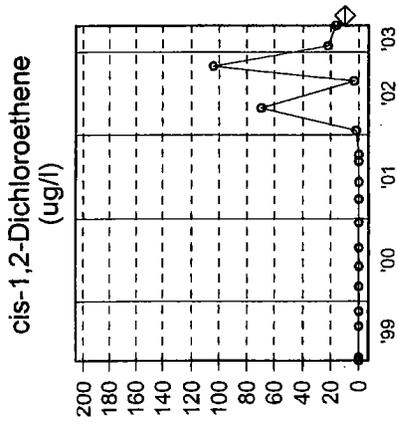
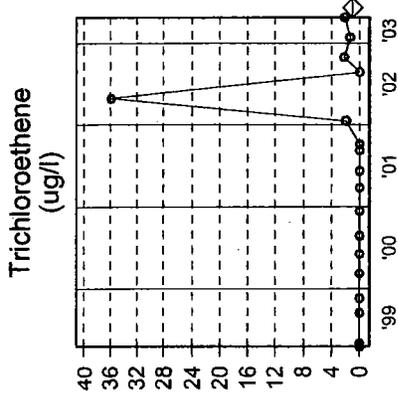
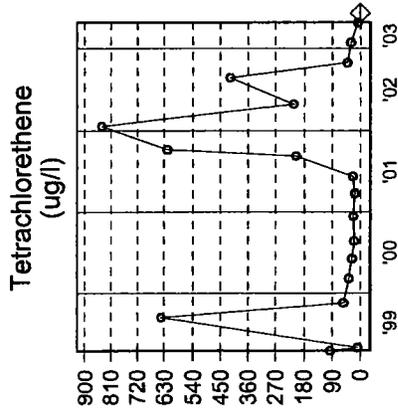
Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW16

Sampling Dates:
04/14/1999 - 04/21/2003



LEGEND:

PARAMETER

- o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 9 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW18
 Sampling Dates:
 04/13/1999 - 04/21/2003

NOTES:

Units:	Lab	Tetra chloro ethene	Iron	Manganese	Aluminum	Chromium	Copper	Lead	Nickel	Depth to Water	Notes
NJDEP Criteria:		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	
	-	1	300	50	200	100	1000	10	100	-	-
04/13/1999	FMETL	ND	6550	40.9	327	1.97	5.04	11.8	2.63	7.16	V,S,P,M
04/27/1999	FMETL	ND	8140	42.1	61.1	1.02	ND	ND	1.86	7.68	V,S,P,M
09/14/1999	FMETL	ND	9640	65.8	541	4.06	4.58	ND	7.64	8.86	V,S,P,M
11/18/1999	FMETL	ND	10300	34.6	27	0.573	14.9	ND	1.73	8.02	V,S,P,M
03/03/2000	FMETL	ND	19800	48.6	131	ND	ND	ND	3.39	7.40	V,S,P,M
05/31/2000	FMETL	ND	16200	50.2	28.0	1.46	ND	ND	2.84	7.48	V,S,P,M
08/21/2000	FMETL	ND	14900	53.7	325	ND	ND	1.89	ND	7.12	V,S,P,M
12/11/2000	FMETL	ND	357000	88.4	942	4.74	ND	ND	ND	7.71	V,S,P,M
03/19/2001	FMETL	ND	26200	59.1	60.0	5.3	12.0	ND	3.00	6.90	V,S,P,M
06/05/2001	FMETL	ND	98600	70.5	63.0	ND	8.52	3.08	3.13	7.39	V,S,P,M
09/05/2001	FMETL	ND	16500	69.7	38.3	1.74	5.99	1.14	2.48	8.39	V,S,P,M
10/04/2001	FMETL	2.95	21000	60.2	111	1.68	ND	ND	1.73	8.30	V,S,P,M
01/14/2002	FMETL	1.34	18400	240	113	1.64	2.82	ND	16.5	8.33	V,S,P,M
04/23/2002	FMETL	ND	82000	66.8	541	3.20	2.92	1.35	ND	7.75	V,S,P,M
08/21/2002	FMETL	ND	16500	49.0	162	ND	4.49	ND	1.25	8.68	V,S,P,M
10/28/2002	FMETL	ND	13500	53.7	27.1	1.27	ND	ND	ND	6.76	V,S,P,M
01/22/2003	FMETL	ND	62100	65.5	293	1.19	40.1	4.38	2.87	6.99	V,S,P,M
04/21/2003	FMETL	ND	204000	137	800	2.05	ND	5.65	ND	6.72	V,S,P,M

FORT MONMOUTH

GW MONITORING
 Bldg. M-5

Source 10 of 14

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
 FORT MONMOUTH
 SELFM-PW-EV

SOURCE: 00M5MW19
 Sampling Dates:
 04/13/1999 - 04/21/2003

NOTES:

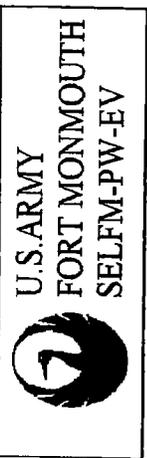
Units:	Lab	cis-1,2-Dichloro ethene	Tri chloro ethene	Tetra chloro ethene	Iron	Manganese	Aluminum	Chromium	Copper	Depth to Water	Notes
NJDEP Criteria:		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	
	-	10	1	1	300	50	200	100	1000	-	-
04/13/1999	FMETL	ND	ND	11.53	7900	50.1	1110	10.6	6.31	6.74	V,S,P,M
04/27/1999	FMETL	ND	ND	3.72	12300	49.1	1710	12.1	ND	7.04	V,S,P,M
09/14/1999	FMETL	ND	ND	10.24	9230	33.8	2320	32.8	5.35	8.48	V,S,P,M
11/18/1999	FMETL	ND	ND	69.22	11700	39	130	1.65	33	7.63	V,S,P,M
03/06/2000	FMETL	ND	ND	5.44	15000	53.9	133	ND	ND	7.01	V,S,P,M
05/31/2000	FMETL	ND	ND	ND	12100	51.6	47.8	1.69	ND	7.01	V,S,P,M
08/21/2000	FMETL	ND	ND	4.77	12400	71.7	227	ND	ND	6.66	V,S,P,M
12/11/2000	FMETL	ND	ND	3.80	39600	56.2	271	ND	ND	7.28	V,S,P,M
03/19/2001	FMETL	ND	ND	2.43	17800	78.5	740	4.70	18.0	6.97	V,S,P,M
06/05/2001	FMETL	ND	ND	6.89	27300	72.3	ND	1.34	ND	6.68	V,S,P,M
09/05/2001	FMETL	3.87	1.66	34.94	22100	75.3	ND	ND	20.8	8.03	V,S,P,M
10/04/2001	FMETL	1.84	ND	13.62	21700	66.3	ND	ND	ND	7.92	V,S,P,M
01/14/2002	FMETL	16.64	17.44	284.64	30100	229	185	0.874	ND	8.04	V,S,P,M
04/23/2002	FMETL	5.93	2.80	18.2	28900	83.1	562	6.20	9.43	7.39	V,S,P,M
08/21/2002	FMETL	51.33	6.44	34.31	20800	74.3	152	0.845	ND	8.33	V,S,P,M
10/28/2002	FMETL	2.28	1.00	5.10	21500	81.3	73.6	2.42	ND	6.47	V,S,P,M
01/22/2003	FMETL	ND	ND	1.54	11700	55.0	33.7	0.711	2.57	6.58	V,S,P,M
04/21/2003	FMETL	ND	ND	1.73	11800	55.2	97.4	ND	ND	6.35	V,S,P,M

FORT MONMOUTH

GW MONITORING
 Bldg. M-5

Source 11 of 14

Ag in blank > GW Criteria for 5/8/97.



Units:	Lab	cis-1,2-Dichloro ethene	Tri chloro ethene	Tetra chloro ethene	Iron	Manganese	Aluminum	Chromium	Copper	Depth to Water	Notes
ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	
NJDEP Criteria:	-	10	1	1	300	50	200	100	1000	-	-
04/13/1999	FMETL	ND	ND	142.59	9380	36.6	3150	30.7	4.46	5.72	V,S,P,M
04/27/1999	FMETL	ND	ND	169.54	7520	29.2	2980	24.9	6.08	6.08	V,S,P,M
09/13/1999	FMETL	ND	ND	156.58	376	28.0	64.6	2.80	6.05	7.42	V,S,P,M
11/18/1999	FMETL	ND	ND	143.93	676	21.1	143	3.37	4.14	6.61	V,S,P,M
03/03/2000	FMETL	ND	ND	90.03	1640	17.8	500	4.34	ND	6.05	V,S,P,M
05/31/2000	FMETL	ND	ND	43.44	914	13.2	248	4.37	ND	8.13	V,S,P,M
08/21/2000	FMETL	ND	ND	23.85	4060	14.9	1910	3.94	ND	5.78	V,S,P,M
12/11/2000	FMETL	ND	ND	110.95	502	11.9	96.6	ND	ND	6.33	V,S,P,M
03/19/2001	FMETL	ND	ND	65.73	900	40.3	280	3.60	16.0	5.68	V,S,P,M
03/19/2001D	FMETL	ND	ND	65.5	870	27.7	300	3.4	5.0	5.68	V,S,P,M
06/05/2001	FMETL	ND	ND	45.30	495	15.4	ND	1.03	ND	7.98	V,S,P,M
09/05/2001	FMETL	1.22	1.18	111.58	1320	26.9	204	4.96	11.3	7.04	V,S,P,M
10/04/2001	FMETL	3.38	3.56	83.81	1640	23.9	198	3.00	3.03	6.77	V,S,P,M
10/04/2001D	FMETL	3.41	3.66	82.54	1450	24.2	252	3.61	2.52	6.77	V,S,P,M
01/14/2002	FMETL	3.09	4.27	85.31	2020	159	452	5.43	ND	6.74	V,S,P,M
04/23/2002	FMETL	ND	ND	76.89	1510	27.3	216	2.64	13.1	6.36	V,S,P,M
08/21/2002	FMETL	ND	ND	79.41	5320	34.5	1580	12.6	2.97	7.24	V,S,P,M
10/28/2002	FMETL	ND	ND	12.99	11500	19.6	6000	40.3	4.93	5.45	V,S,P,M
01/22/2003	FMETL	ND	ND	27.87	292	9.34	109	1.40	ND	5.73	V,S,P,M
04/21/2003	FMETL	ND	ND	27.99	1370	32.9	431	3.30	ND	5.47	V,S,P,M

SOURCE: 00M5MW20

Sampling Dates:
04/13/1999 - 04/21/2003

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 12 of 14

Ag in blank > GW Criteria for 5/8/97.

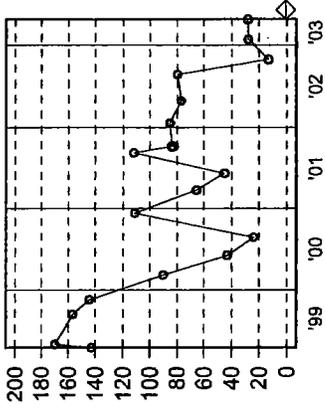


U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

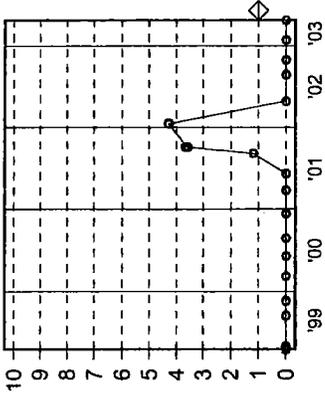
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Sampling Dates:
04/13/1999 - 04/21/2003

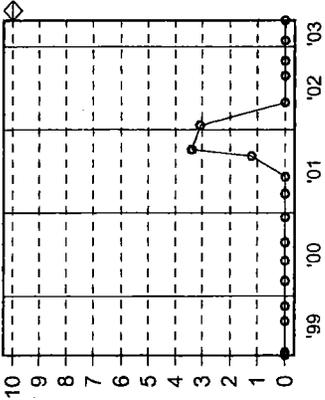
Tetrachlorethene
(ug/l)



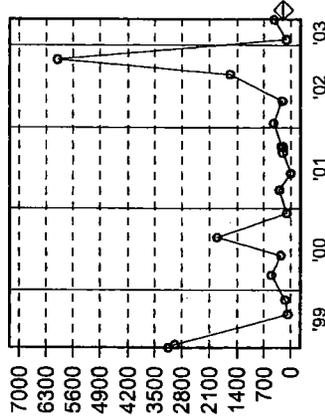
Trichloroethene
(ug/l)



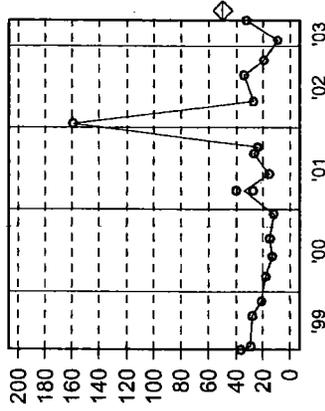
cis-1,2-Dichloroethene
(ug/l)



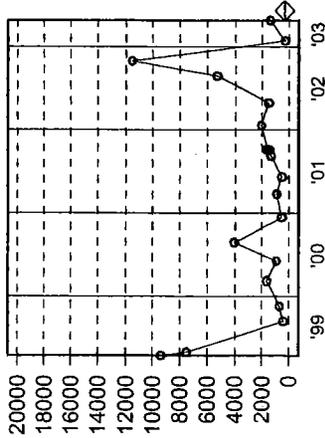
Aluminum
(ug/l)



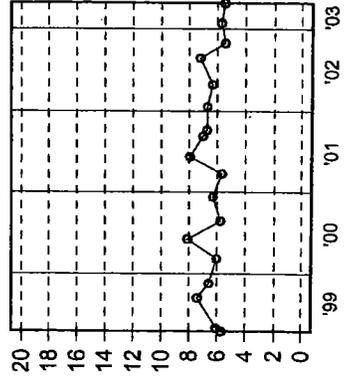
Manganese
(ug/l)



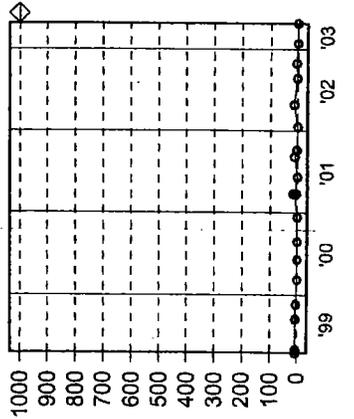
Iron
(ug/l)



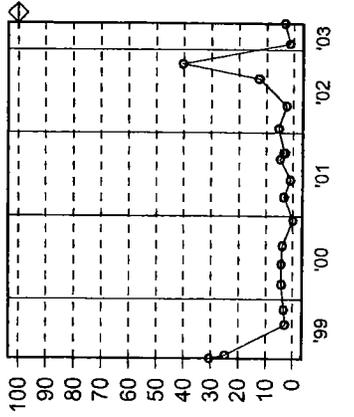
Depth to Water
(Feet)



Copper
(ug/l)



Chromium
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 12 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW23
 Sampling Dates:
 04/14/1999 - 04/21/2003

NOTES:

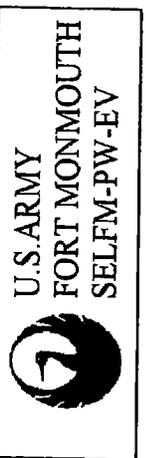
Units:	Lab	cis-1,2-Dichloro ethene	Tri chloro ethene	Tetra chloro ethene	Iron	Manganese	Aluminum	Chromium	Copper	Depth to Water	Notes
ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	
NJDEP Criteria:	-	10	1	1	300	50	200	100	1000	-	-
04/14/1999	FMETL	ND	ND	84.93	848	9.64	148	13.4	ND	8.19	V,S,P,M
04/28/1999	FMETL	ND	ND	44.43	1590	19.8	195	8.97	ND	8.46	V,S,P,M
09/13/1999	FMETL	ND	ND	29.53	10700	10.4	1410	22.6	6.92	9.56	V,S,P,M
11/18/1999	FMETL	ND	ND	59.02	1290	10.4	157	3.29	ND	8.88	V,S,P,M
03/03/2000	FMETL	ND	ND	11.53	13600	23.1	248	1.52	ND	8.38	V,S,P,M
05/31/2000	FMETL	ND	ND	23.13	25100	23.6	ND	1.71	ND	7.70	V,S,P,M
08/21/2000	FMETL	ND	ND	4.22	20300	30.9	332	ND	ND	7.93	V,S,P,M
12/11/2000	FMETL	ND	ND	14.27	19200	27.1	108	ND	ND	8.61	V,S,P,M
03/19/2001	FMETL	ND	ND	6.39	31400	26.6	810	13.6	8.00	7.85	V,S,P,M
06/05/2001	FMETL	ND	ND	33.84	3280	31.1	ND	1.12	ND	8.33	V,S,P,M
06/05/2001D	FMETL	ND	ND	33.54	3650	31.6	ND	1.92	16.2	8.33	V,S,P,M
09/05/2001	FMETL	1.48	ND	3.41	21600	21.1	1300	17.5	8.27	9.15	V,S,P,M
10/04/2001	FMETL	1.77	ND	3.85	13000	16.5	1270	15.6	3.40	8.90	V,S,P,M
01/14/2002	FMETL	1.77	ND	8.26	36400	185	1340	16.0	3.29	9.03	V,S,P,M
04/23/2002	FMETL	3.31	ND	8.97	67900	42.8	5120	53.6	4.89	8.53	V,S,P,M
08/21/2002	FMETL	ND	ND	15.68	15400	37.6	426	11.9	ND	9.33	V,S,P,M
10/28/2002	FMETL	ND	ND	ND	14000	24.3	100	2.40	ND	7.72	V,S,P,M
01/22/2003	FMETL	ND	3.97	79.46	137000	49.2	6920	72.5	ND	7.75	V,S,P,M
04/21/2003	FMETL	1.37	3.15	17.35	37000	22.2	1060	12.9	ND	7.54	V,S,P,M

FORT MONMOUTH

GW MONITORING
 Bldg. M-5

Source 13 of 14

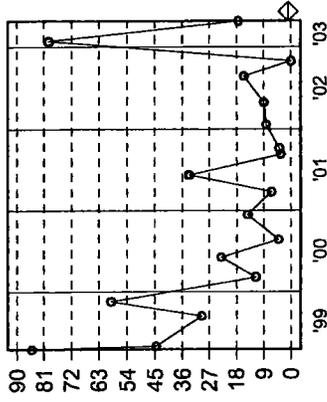
Ag in blank > GW Criteria for 5/8/97.



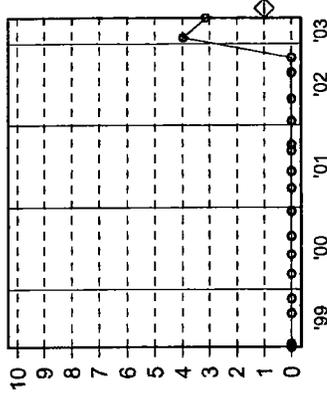
SOURCE: 00M5MW23

Sampling Dates:
04/14/1999 - 04/21/2003

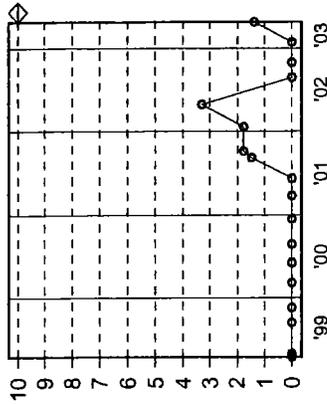
Tetrachlorethene
(ug/l)



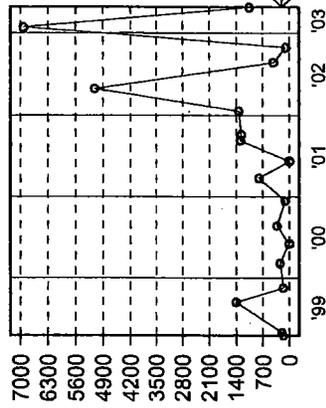
Trichloroethene
(ug/l)



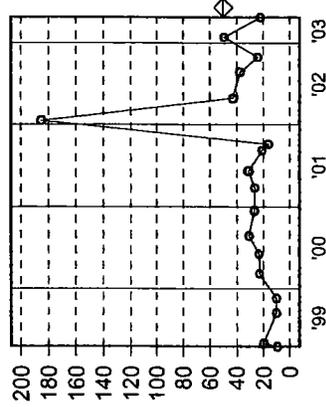
cis-1,2-Dichloroethene
(ug/l)



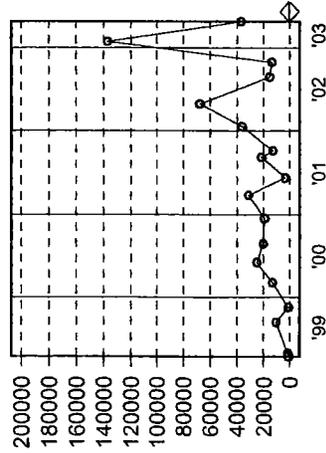
Aluminum
(ug/l)



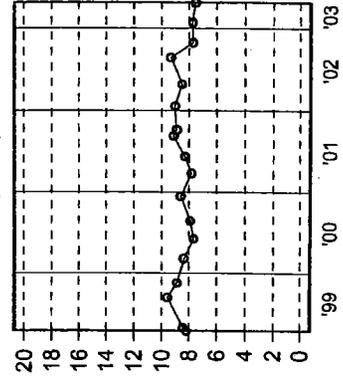
Manganese
(ug/l)



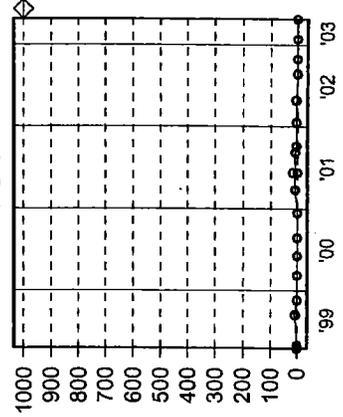
Iron
(ug/l)



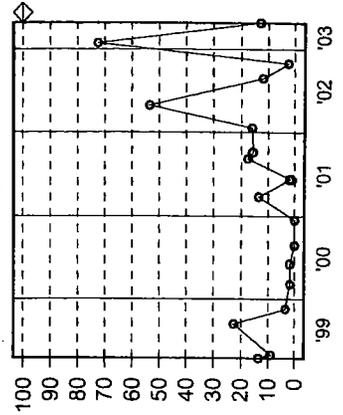
Depth to Water
(Feet)



Copper
(ug/l)



Chromium
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 13 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW25
 Sampling Dates:
 04/14/1999 - 04/21/2003

NOTES:

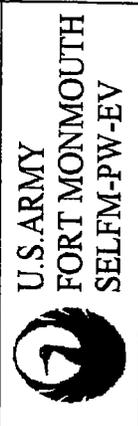
Units:	Lab	Iron	Manganese	Aluminum	Chromium	Copper	Lead	Nickel	Depth to Water	Notes
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	
NJDEP Criteria:	-	300	50	200	100	1000	10	100	-	-
04/14/1999	FMETL	18000	41.9	5640	56.3	ND	4.75	8.13	11.32	V,S,P,M
04/28/1999	FMETL	12300	48.3	4630	40.5	14.3	6.35	7.43	11.59	V,S,P,M
09/14/1999	FMETL	8930	43.9	151	2.32	ND	ND	ND	13.21	V,S,P,M
11/18/1999	FMETL	15400	35.1	3560	53.4	3.45	ND	14.8	12.26	V,S,P,M
03/03/2000	FMETL	783	25.3	220	4.77	ND	ND	10.7	11.39	V,S,P,M
05/31/2000	FMETL	191	13.8	ND	2.72	ND	ND	4.92	11.61	V,S,P,M
05/31/2000D	FMETL	712	15.3	98.7	4.64	ND	ND	7.93	11.61	V,S,P,M
08/21/2000	FMETL	453	46.7	250	ND	35.4	1.91	10.7	11.05	V,S,P,M
12/11/2000	FMETL	877	18.7	209	ND	ND	ND	2.38	12.00	V,S,P,M
03/19/2001	FMETL	10900	43.1	140	6.40	5.00	ND	7.00	10.98	V,S,P,M
06/05/2001	FMETL	295	27.7	ND	2.50	ND	ND	17.0	11.84	V,S,P,M
09/05/2001	FMETL	21600	21.1	1300	17.5	8.27	2.41	ND	12.72	V,S,P,M
09/05/2001D	FMETL	476	63.9	ND	2.93	14.2	ND	22.0	12.72	V,S,P,M
10/04/2001	FMETL	26500	56.4	6880	99.0	6.99	6.17	21.4	11.77	V,S,P,M
01/14/2002	FMETL	1570	182	388	6.34	99.1	11.0	21.3	12.97	V,S,P,M
04/23/2002	FMETL	101	27.8	70.2	1.88	4.87	1.59	10.7	11.90	V,S,P,M
08/21/2002	FMETL	836	40.6	262	2.82	ND	ND	14.5	12.86	V,S,P,M
10/28/2002	FMETL	6510	101	129	5.80	ND	ND	13.0	10.93	V,S,P,M
01/22/2003	FMETL	12400	41.7	185	7.09	30.8	ND	13.1	10.75	V,S,P,M
04/21/2003	FMETL	2500	24.1	194	9.55	25.9	ND	9.36	10.60	V,S,P,M

FORT MONMOUTH

GW MONITORING
 Bldg. M-5

Source 14 of 14

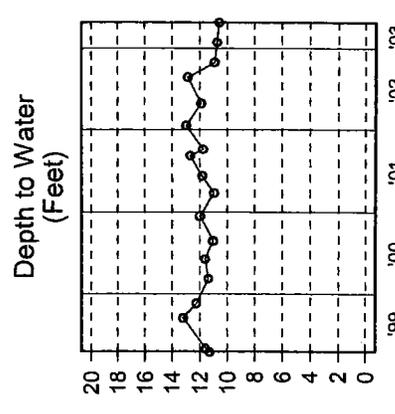
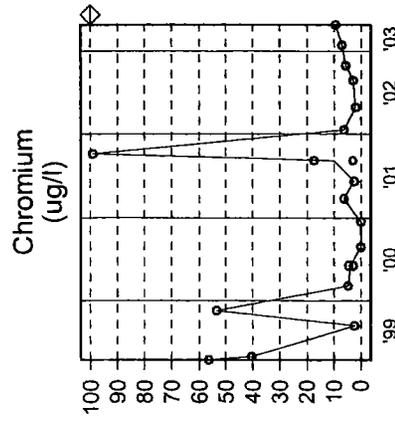
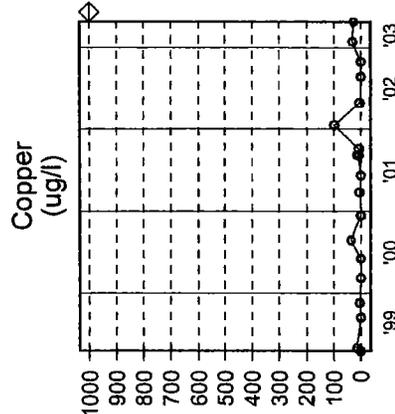
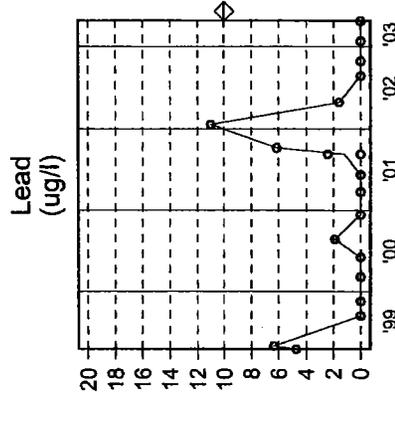
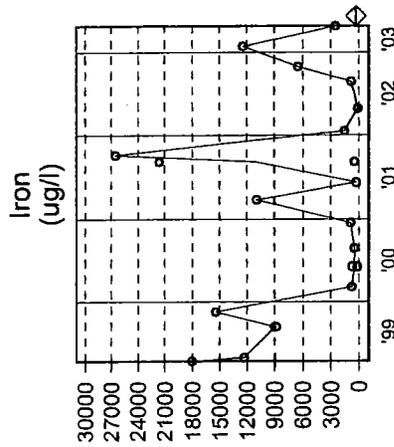
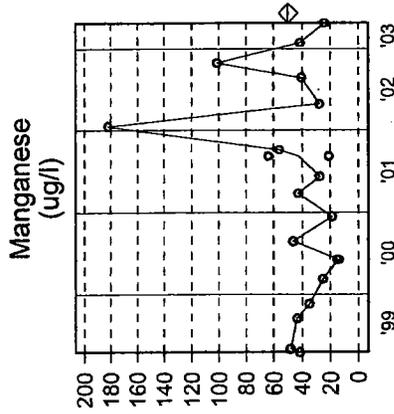
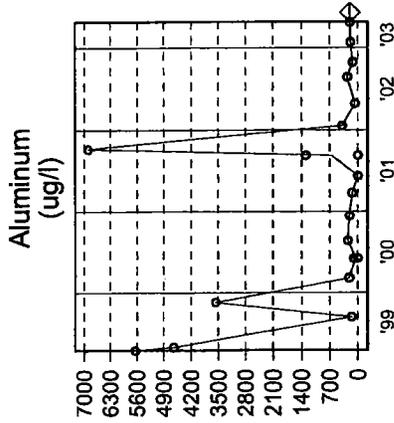
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SOURCE: 00M5MW25

Sampling Dates:

04/14/1999 - 04/21/2003



LEGEND:

PARAMETER

- o = Date Sampled
- ◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 14 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



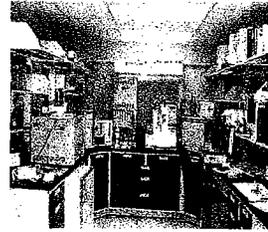
U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

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

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING



ANALYTICAL DATA REPORT FOR

Directorate of Public Works
Fort Monmouth, NJ 07703

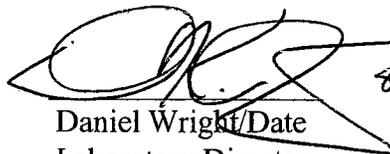
PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: M-5

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
3043904	00M5MW10	29-32574	07/30/03
3043905	00M5MW11	29-32575	07/30/03
3043906	00M5MW12	29-39179	07/30/03
3043907	00M5MW13	29-39178	07/30/03
3043908	00M5MW14	29-39177	07/30/03
3043909	00M5MW15	29-40120	07/30/03
3043910	00M5MW16	29-40121	07/30/03
3043911	00M5MW18	29-40123	07/30/03
3043912	00M5MW19	29-40124	07/30/03
3043913	00M5MW20	29-40122	07/30/03
3043914	00M5MW23	29-40125	07/30/03
3043915	00M5MW25	29-40126	07/30/03

NJDEP Laboratory Certification # 13461


Daniel Wright/Date
Laboratory Director

8-25-03

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST	Standard Methods, 18 th ed.
Aluminum	3120B
Antimony	3120B
Arsenic	3120B
Barium	3120B
Beryllium	3120B
Cadmium	3120B
Calcium	3120B
Chromium	3120B
Cobalt	3120B
Copper	3120B
Iron	3120B
Lead	3120B
Magnesium	3120B
Manganese	3120B
Mercury	3112B
Nickel	3120B
Potassium	3120B
Selenium	3120B
Silver	3120B
Sodium	3120B
Thallium	3120B
Vanadium	3120B
Zinc	3120B
TARGET COMPOUND LIST	Federal Register 40 CFR Part 136 Appendix A
Base/Neutrals and Acid Extractables by GC/MS	625
Purgeable Organics by GC/MS	624
Pesticides and PCB's by GC	608

Fort Monmouth Environmental Testing Laboratory

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

NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon		Project No:		Analysis Parameters				Comments:			
Phone #:	Location:	Sample #	Date	Time	Type	# bottles	UDTIS	TAL MHS	Pest / PCB	BVA+25	Remarks / Preservation Method
30439	MS Wells 3rd Qtr '03	01	7/30/03	0720	AQ	2	✓				Hu Red
	Corey McCormack, TUS	02		0725		5	✓	✓			
		03				5	✓	✓			
		04		1254		5	✓	✓			
		05		0957		5	✓	✓			0.0 29-32574
		06		1328		5	✓	✓			0.0 29-32575
		07		1435		5	✓	✓			0.0 29-39179
		08		1518		5	✓	✓			0.0 29-39178
		09		0907		5	✓	✓			0.0 29-39177
		10		0914		5	✓	✓			0.0 29-40120
		11		0934		5	✓	✓			0.0 29-40121
		12		0941		5	✓	✓			0.0 29-40123
		13		0921		5	✓	✓			0.0 29-40124
		14		0949		9	✓	✓			0.0 29-40122
Relinquished by (signature): <i>Corey McCormack</i>		Date/Time: 7/30/03 1000		Relinquished by (signature): <i>J. Fallon</i>		Date/Time:		Received by (signature):		Date/Time:	
Relinquished by (signature):		Date/Time:		Relinquished by (signature):		Date/Time:		Received by (signature):		Date/Time:	
Report Type: <input type="checkbox"/> Full, <input checked="" type="checkbox"/> Reduced, <input type="checkbox"/> Standard, <input type="checkbox"/> Screen / non-certified, <input type="checkbox"/> EDD Turnaround time: <input checked="" type="checkbox"/> Standard 3 wks, <input type="checkbox"/> Rush _____ Days, <input type="checkbox"/> ASAP Verbal _____ Hrs.											
Remarks: Tide: L → H											

Fort Monmouth Environmental Testing Laboratory

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

Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: J FALLON		Project No:		Analysis Parameters				Comments:			
Phone #: 201-223-2223	Location: MS wells	Date: 7/30/03		Time: 0841		Sample Type: AQ		Remarks / Preservation Method			
Lab: MDERA () OMA () Other:	Sample Location: * MS MW 25	Date: 7/30/03		Time: 0841		Sample Type: AQ		Remarks / Preservation Method			
Samplers Name / Company: Cory McLernach, TUS	Date: 7/30/03		Time: 0841		Sample Type: AQ		Sample # bottles: 5		Remarks / Preservation Method		
LIMS/Work Order # 30439 15	Date: 7/30/03		Time: 0841		Sample Type: AQ		Sample # bottles: 5		Remarks / Preservation Method		
Relinquished by (signature): <i>Cory McLernach</i>		Date/Time: 7/30/03 1600		Received by (signature): <i>J. Fallon</i>		Date/Time:		Relinquished by (signature):		Date/Time:	
Relinquished by (signature):		Date/Time:		Received by (signature):		Date/Time:		Relinquished by (signature):		Date/Time:	
Report Type: <input checked="" type="checkbox"/> Full, <input type="checkbox"/> Reduced, <input type="checkbox"/> Standard, <input type="checkbox"/> Screen / non-certified, <input type="checkbox"/> EDD				Remarks: Tide: L							
Turnaround time: <input checked="" type="checkbox"/> Standard 3 wks, <input type="checkbox"/> Rush Days, <input type="checkbox"/> ASAP Verbal Hrs.											

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW10
NJDEP ID #: 29-32574
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/30/03
WEATHER: Sunny and warm.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 4.48 ft
DEPTH OF WELL: 17.25 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.77 ft
(12.77) X .65 X 3 =24.90
GALLONS OF H₂O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:05
pH 6.15 su
DISSOLVED O₂ 3.90 mg/L
TEMP 16.14 °C
SPECIFIC CONDUCTIVITY 301 µs/cm

PURGE END TIME: 12:53
pH 6.18 su
DISSOLVED O₂ 1.19 mg/L
TEMP 16.12 °C
SPECIFIC CONDUCTIVITY 301 µs/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 5.28 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 12:54
pH 6.19 su
DISSOLVED O₂ 1.09 mg/L
TEMP 16.11 °C
SPECIFIC CONDUCTIVITY 301 µs/cm

SAMPLE END TIME: 12:59

COMMENTS:

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW11
NJDEP ID #: 29-32575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/30/03
WEATHER: Sunny and warm.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.38 ft
DEPTH OF WELL: 16.80 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.42 ft
(9.42) X .65 X 3 = 18.36
GALLONS OF H₂O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:05

pH 5.67 su

DISSOLVED O₂ 3.37 mg/L

TEMP 19.65 °C

SPECIFIC CONDUCTIVITY 415 µs/cm

PURGE END TIME: 09:23

pH 5.59 su

DISSOLVED O₂ 1.23 mg/L

TEMP 18.82 °C

SPECIFIC CONDUCTIVITY 404 µs/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 8.38 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 09:57

pH 5.58 su

DISSOLVED O₂ 1.22 mg/L

TEMP 18.84 °C

SPECIFIC CONDUCTIVITY 403 µs/cm

SAMPLE END TIME: 10:03

COMMENTS: Orange particles.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW12
NJDEP ID #: 29-39179
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/30/03
WEATHER: Sunny and warm.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 6.08 ft
DEPTH OF WELL: 16.10 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.02 ft
(10.02) X .163 X 3 = 4.89
GALLONS OF H₂O TO BE PURGED: 5 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:05
pH 6.21 su
DISSOLVED O₂ 3.47 mg/L
TEMP 16.91 °C
SPECIFIC CONDUCTIVITY 321 µs/cm

PURGE END TIME: 13:27
pH 6.17 su
DISSOLVED O₂ 1.01 mg/L
TEMP 16.76 °C
SPECIFIC CONDUCTIVITY 310 µs/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 12.70 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 5 gal

SAMPLE START TIME: 13:28
pH 6.18 su
DISSOLVED O₂ 1.00 mg/L
TEMP 16.77 °C
SPECIFIC CONDUCTIVITY 311 µs/cm

SAMPLE END TIME: 13:33

COMMENTS: Low draw down, cloudy end of bail.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW13
NJDEP ID #: 29-39178
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/30/03
WEATHER: Sunny and warm.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 2.80 ft
DEPTH OF WELL: 18.82 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 16.02 ft
(16.02) X .163 X 3 = 7.83
GALLONS OF H₂O TO BE PURGED: 8 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:59
pH 5.76 su
DISSOLVED O₂ 5.10 mg/L
TEMP 18.40 °C
SPECIFIC CONDUCTIVITY 699 µs/cm

PURGE END TIME: 14:34
pH 5.76 su
DISSOLVED O₂ 2.00 mg/L
TEMP 18.40 °C
SPECIFIC CONDUCTIVITY 699 µs/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 3.39 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 8 gal

SAMPLE START TIME: 14:35
pH 5.76 su
DISSOLVED O₂ 1.50 mg/L
TEMP 18.37 °C
SPECIFIC CONDUCTIVITY 700 µs/cm

SAMPLE END TIME: 14:39

COMMENTS:

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW14
NJDEP ID #: 29-39177
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/30/03
WEATHER: Sunny and warm.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 3.37 ft
DEPTH OF WELL: 20.15 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 16.78 ft
(16.78) X .163 X 3 = 8.20
GALLONS OF H2O TO BE PURGED: 8 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 14:42

pH 6.05 su

DISSOLVED O₂ 4.60 mg/L

TEMP 15.87 °C

SPECIFIC CONDUCTIVITY 381 µs/cm

PURGE END TIME: 15:17

pH 6.15 su

DISSOLVED O₂ 1.16 mg/L

TEMP 15.44 °C

SPECIFIC CONDUCTIVITY 340 µs/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 4.00 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 8 gal

SAMPLE START TIME: 15:18

pH 6.15 su

DISSOLVED O₂ 1.11 mg/L

TEMP 15.47 °C

SPECIFIC CONDUCTIVITY 340 µs/cm

SAMPLE END TIME: 15:26

COMMENTS:

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW15
NJDEP ID #: 29-40120
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/30/03
WEATHER: Sunny and warm.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.97 ft
DEPTH OF WELL: 19.71 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.74 ft
(10.74) X .65 X 3 =20.94
GALLONS OF H₂O TO BE PURGED: 21 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 07:35

pH 4.69 su

DISSOLVED O₂ 4.00 mg/L

TEMP 18.40 °C

SPECIFIC CONDUCTIVITY 439 µs/cm

PURGE END TIME: 09:06

pH 4.65 su

DISSOLVED O₂ 1.12 mg/L

TEMP 17.93 °C

SPECIFIC CONDUCTIVITY 358 µs/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 9.22 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 09:07

pH 4.65 su

DISSOLVED O₂ 1.13 mg/L

TEMP 17.89 °C

SPECIFIC CONDUCTIVITY 353 µs/cm

SAMPLE END TIME: 09:12

COMMENTS:

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW16
NJDEP ID #: 29-40121
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/30/03
WEATHER: Sunny and warm.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.05 ft
DEPTH OF WELL: 17.93 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.88 ft
(10.88) X .65 X 3 = 21.21
GALLONS OF H₂O TO BE PURGED: 21 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 07:40
pH 5.36 su
DISSOLVED O₂ 0.24 mg/L
TEMP 20.71 °C
SPECIFIC CONDUCTIVITY 631 µs/cm

PURGE END TIME: 09:11
pH 5.45 su
DISSOLVED O₂ 0.15 mg/L
TEMP 20.64 °C
SPECIFIC CONDUCTIVITY 684 µs/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 7.73 ft.
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 09:14
pH 5.46 su
DISSOLVED O₂ 0.16 mg/L
TEMP 20.65 °C
SPECIFIC CONDUCTIVITY 685 µs/cm

SAMPLE END TIME: 09:19

COMMENTS: Strong odor.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW18
NJDEP ID #: 29-40123
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/30/03
WEATHER: Sunny and warm.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.48 ft
DEPTH OF WELL: 20.17 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.69 ft
(12.69) X .65 X 3 =24.74
GALLONS OF H2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 07:45
pH 6.03 su
DISSOLVED O₂ 4.19 mg/L
TEMP 16.96 °C
SPECIFIC CONDUCTIVITY 300 µs/cm

PURGE END TIME: 09:33
pH 5.97 su
DISSOLVED O₂ 1.21 mg/L
TEMP 16.36 °C
SPECIFIC CONDUCTIVITY 281 µs/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.65 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 09:34
pH 5.95 su
DISSOLVED O₂ 1.20 mg/L
TEMP 16.30 °C
SPECIFIC CONDUCTIVITY 277 µs/cm

SAMPLE END TIME: 09:39

COMMENTS: Low draw down. Cloudy and yellow.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW19
NJDEP ID #: 29-40124
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/30/03
WEATHER: Sunny and warm.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.12 ft
DEPTH OF WELL: 19.98 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.86 ft
(12.86) X .65 X 3 =25.07
GALLONS OF H₂O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 07:50

pH 5.69 su

DISSOLVED O₂ 5.10 mg/L

TEMP 18.13 °C

SPECIFIC CONDUCTIVITY 274 µs/cm

PURGE END TIME: 09:38

pH 5.70 su

DISSOLVED O₂ 1.17 mg/L

TEMP 17.96 °C

SPECIFIC CONDUCTIVITY 278 µs/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 7.45 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 09:41

pH 5.71 su

DISSOLVED O₂ 1.17 mg/L

TEMP 17.98 °C

SPECIFIC CONDUCTIVITY 278 µs/cm

SAMPLE END TIME: 09:46

COMMENTS: Low draw down.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW20
NJDEP ID #: 29-40122
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/30/03
WEATHER: Sunny and warm.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.15 ft
DEPTH OF WELL: 16.07 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.92 ft
(9.92) X .65 X 3 =19.39
GALLONS OF H₂O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 07:55

pH 5.55 su

DISSOLVED O₂ 5.18 mg/L

TEMP 21.78 °C

SPECIFIC CONDUCTIVITY 546 µs/cm

PURGE END TIME: 09:17

pH 5.51 su

DISSOLVED O₂ 2.10 mg/L

TEMP 21.82 °C

SPECIFIC CONDUCTIVITY 554 µs/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 6.40 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 09:21

pH 5.52 su

DISSOLVED O₂ 2.01 mg/L

TEMP 21.63 °C

SPECIFIC CONDUCTIVITY 554 µs/cm

SAMPLE END TIME: 09:26

COMMENTS: Low draw down.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW23
NJDEP ID #: 29-40125
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/30/03
WEATHER: Sunny and warm.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.44 ft
DEPTH OF WELL: 19.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.31 ft
(11.31) X .65 X 3 =22.05
GALLONS OF H₂O TO BE PURGED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:00

pH 5.75 su

DISSOLVED O₂ 5.00 mg/L

TEMP 20.66 °C

SPECIFIC CONDUCTIVITY 261 µs/cm

PURGE END TIME: 09:35

pH 5.72 su

DISSOLVED O₂ 1.16 mg/L

TEMP 20.12 °C

SPECIFIC CONDUCTIVITY 267 µs/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 8.63 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 09:49

pH 5.72 su

DISSOLVED O₂ 1.15 mg/L

TEMP 20.12 °C

SPECIFIC CONDUCTIVITY 267 µs/cm

SAMPLE END TIME: 09:52

COMMENTS: Low draw down. Cloudy, orange and yellow. MS/MSD here.

U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: M5
MW#: 00M5MW25
NJDEP ID #: 29-40126
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/30/03
WEATHER: Sunny and warm.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 11.73 ft
DEPTH OF WELL: 19.94 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.21 ft
(8.21) X .65 X 3 =16.00
GALLONS OF H₂O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 07:31

pH 5.04 su

DISSOLVED O₂ 4.11 mg/L

TEMP 16.87 °C

SPECIFIC CONDUCTIVITY 934 µs/cm

PURGE END TIME: 08:40

pH 4.89 su

DISSOLVED O₂ 2.24 mg/L

TEMP 16.42 °C

SPECIFIC CONDUCTIVITY 937 µs/cm

DEPTH TO H₂O AFTER PURGE AND BEFORE SAMPLING: 11.85 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 08:41

pH 4.90 su

DISSOLVED O₂ 2.23 mg/L

TEMP 16.43 °C

SPECIFIC CONDUCTIVITY 936 µs/cm

SAMPLE END TIME: 08:46

COMMENTS: Low draw down. DUP. Here.

LTM Depth to Water

Location: M5

Date: 07/30/03

Well	NJDEP Well ID	Depth of Well Feet	Well Diameter Inch	Depth to Water Feet
00M5MW10	29-325574	17.25	4	4.48
00M5MW11	29-325575	16.8	4	7.38
00M5MW12	29-39179	16.1	2	6.08
00M5MW13	29-39178	18.82	2	2.8
00M5MW14	29-39177	20.15	2	3.37
00M5MW15	29-40120	19.71	4	8.97
00M5MW16	29-40121	17.93	4	7.05
00M5MW18	29-40123	20.17	4	7.48
00M5MW19	29-40124	19.98	4	7.12
00M5MW20	29-40122	16.07	4	6.15
00M5MW23	29-40125	19.75	4	8.44
00M5MW25	29-40126	19.94	4	11.73

**US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461**

Definition of Qualifiers

MDL : Method Detection Limit
J : Compound identified below detection limit
B : Compound found in blank
D : Results are from a dilution of the sample
U : Compound searched for but not detected
E : Compound exceeds calibration limit
PQL : Practical Quantitation Limit
NLE : No limit established
RT : Retention time

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

Data File **VB014033.D**
 Operator **Skelton**
 Date Acquired **8 Aug 2003 4:19 pm**

Sample Name **MB 08Aug03**
 Field ID **MB 08Aug03**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

MB 08Aug03

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30439 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: MB 08Aug03
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014033.D
Level: (low/med) LOW Date Received: 7/30/2003
% Moisture: not dec. _____ Date Analyzed: 8/8/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB014075.D**
 Operator **Skelton**
 Date Acquired **12 Aug 2003 8:20 pm**

Sample Name **MB 12Aug03**
 Field ID **MB 12Aug03**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

MB 12Aug03

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30439 Location: M5 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 12Aug03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014075.D

Level: (low/med) LOW Date Received: 7/30/2003

% Moisture: not dec. _____ Date Analyzed: 8/12/2003

GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB014076.D**
 Operator **Skelton**
 Date Acquired **12 Aug 2003 8:55 pm**

Sample Name **3043901**
 Field ID **Trip Blank**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.17	72413	1.44 ug/L	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30439 Location: M5 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3043901

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014076.D

Level: (low/med) LOW Date Received: 7/30/2003

% Moisture: not dec. _____ Date Analyzed: 8/12/2003

GC Column: RTX502. 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB014077.D**
 Operator **Skelton**
 Date Acquired **12 Aug 2003 9:31 pm**

Sample Name **3043902**
 Field ID **Field Blank**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.16	66477	1.28 ug/L	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30439 Location: M5 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3043902

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014077.D

Level: (low/med) LOW Date Received: 7/30/2003

% Moisture: not dec. _____ Date Analyzed: 8/12/2003

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

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB014078.D**
 Operator **Skelton**
 Date Acquired **12 Aug 2003 10:07 pm**

Sample Name **3043903**
 Field ID **Dupe**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Dupe

Lab Name: FMETL Project: LTM
 NJDEP#: 13461 Case No.: 30439 Location: M5 SDG No.: Wells
 Matrix: (soil/water) WATER Lab Sample ID: 3043903
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014078.D
 Level: (low/med) LOW Date Received: 7/30/2003
 % Moisture: not dec. _____ Date Analyzed: 8/12/2003
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB014079.D**
 Operator **Skelton**
 Date Acquired **12 Aug 2003 10:43 pm**

Sample Name **3043904**
 Field ID **M5MW10**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW10

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30439 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 3043904
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014079.D
Level: (low/med) LOW Date Received: 7/30/2003
% Moisture: not dec. _____ Date Analyzed: 8/12/2003
GC Column: RTX502 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: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	16.13	3	J

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

Data File **VB014080.D**
 Operator **Skelton**
 Date Acquired **12 Aug 2003 11:19 pm**

Sample Name **3043905**
 Field ID **M5MW11**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene	18.68	39495	1.42 ug/L	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.24	145410	5.74 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW11

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30439 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 3043905
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014080.D
Level: (low/med) LOW Date Received: 7/30/2003
% Moisture: not dec. _____ Date Analyzed: 8/12/2003
GC Column: RTX502. 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB014081.D**
 Operator **Skelton**
 Date Acquired **12 Aug 2003 11:55 pm**

Sample Name **3043906**
 Field ID **M5MW12**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW12

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30439 Location: M5 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3043906

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014081.D

Level: (low/med) LOW Date Received: 7/30/2003

% Moisture: not dec. _____ Date Analyzed: 8/12/2003

GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB014049.D**
 Operator **Skelton**
 Date Acquired **9 Aug 2003 1:56 am**

Sample Name **3043907**
 Field ID **M5MW13**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW13

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30439 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 3043907
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014049.D
Level: (low/med) LOW Date Received: 7/30/2003
% Moisture: not dec. _____ Date Analyzed: 8/9/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB014050.D**
 Operator **Skelton**
 Date Acquired **9 Aug 2003 2:31 am**

Sample Name **3043908**
 Field ID **M5MW14**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW14

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30439 Location: M5 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3043908

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014050.D

Level: (low/med) LOW Date Received: 7/30/2003

% Moisture: not dec. _____ Date Analyzed: 8/9/2003

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

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB014051.D**
 Operator **Skelton**
 Date Acquired **9 Aug 2003 3:08 am**

Sample Name **3043909**
 Field ID **M5MW15**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW15

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30439 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 3043909
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014051.D
Level: (low/med) LOW Date Received: 7/30/2003
% Moisture: not dec. _____ Date Analyzed: 8/9/2003
GC Column: RTX502. 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB014052.D**
 Operator **Skelton**
 Date Acquired **9 Aug 2003 3:44 am**

Sample Name **3043910**
 Field ID **M5MW16**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.50	938659	20.30 ug/L	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene	18.68	199657	5.61 ug/L	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.24	668229	18.57 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW16

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30439 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 3043910
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014052.D
Level: (low/med) LOW Date Received: 7/30/2003
% Moisture: not dec. _____ Date Analyzed: 8/9/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB014053.D**
 Operator **Skelton**
 Date Acquired **9 Aug 2003 4:20 am**

Sample Name **3043911**
 Field ID **M5MW18**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW18

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30439 Location: M5 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3043911

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014053.D

Level: (low/med) LOW Date Received: 7/30/2003

% Moisture: not dec. _____ Date Analyzed: 8/9/2003

GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB014054.D**
 Operator **Skelton**
 Date Acquired **9 Aug 2003 4:56 am**

Sample Name **3043912**
 Field ID **M5MW19**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.24	34733	1.01 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6.2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW19

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30439 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 3043912
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014054.D
Level: (low/med) LOW Date Received: 7/30/2003
% Moisture: not dec. _____ Date Analyzed: 8/9/2003
GC Column: RTX502. 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB014055.D**
 Operator **Skelton**
 Date Acquired **9 Aug 2003 5:32 am**

Sample Name **3043913**
 Field ID **M5MW20**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.49	46841	1.10 ug/L	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.24	513609	15.26 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW20

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30439 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 3043913
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014055.D
Level: (low/med) LOW Date Received: 7/30/2003
% Moisture: not dec. _____ Date Analyzed: 8/9/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB014056.D**
 Operator **Skelton**
 Date Acquired **9 Aug 2003 6:08 am**

Sample Name **3043914**
 Field ID **M5MW23**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.01	37132	2.75 ug/L	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.49	195853	4.60 ug/L	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene	18.67	82875	2.51 ug/L	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.24	679221	20.45 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW23

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30439 Location: M5 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3043914

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014056.D

Level: (low/med) LOW Date Received: 7/30/2003

% Moisture: not dec. _____ Date Analyzed: 8/9/2003

GC Column: RTX502. 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB014057.D**
 Operator **Skelton**
 Date Acquired **9 Aug 2003 6:44 am**

Sample Name **3043915**
 Field ID **M5MW25**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M5MW25

Lab Name: FMETL Project: LTM
NJDEP#: 13461 Case No.: 30439 Location: M5 SDG No.: Wells
Matrix: (soil/water) WATER Lab Sample ID: 3043915
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014057.D
Level: (low/med) LOW Date Received: 7/30/2003
% Moisture: not dec. _____ Date Analyzed: 8/9/2003
GC Column: RTX502 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
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Semi-Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File Name **BNA08317.D**
 Operator **BPatel**
 Date Acquired **5-Aug-03**

Sample Name **MB-080503**
 Misc Info **MB-080503-Aq.**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report

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Data File Name **BNA08317.D**
 Operator **BPatel**
 Date Acquired **5-Aug-03**

Sample Name **MB-080503**
 Misc Info **MB-080503-Aq.**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzdine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

MB-080503

Lab Name: FMETL Lab Code 13461
Project: LTM Case No.: 30439 Location: M5 SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: MB-080503
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08317.D
Level: (low/med) LOW Date Received: 7/30/2003
% Moisture: _____ decanted: (Y/N) N Date Extracted: 8/5/2003
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/5/2003
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
<u>1.</u>	<u>unknown</u>	<u>6.70</u>	<u>11</u>	<u>J</u>

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

Data File Name **BNA08321.D**
 Operator **BPatel**
 Date Acquired **5-Aug-03**

Sample Name **3043902**
 Misc Info **Field Blank**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report
Page 2

Data File Name **BNA08321.D**
Operator **BPatel**
Date Acquired **5-Aug-03**

Sample Name **3043902**
Misc Info **Field Blank**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

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 Code 13461

Project: LTM Case No.: 30439 Location: M5 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3043902

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08321.D

Level: (low/med) LOW Date Received: 7/30/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 8/5/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/5/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.70	9	J
2. 000646-13-9	Octadecanoic acid, 2-methylprop	26.29	4	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name **BNA08322.D**
 Operator **BPatel**
 Date Acquired **5-Aug-03**

Sample Name **3043903**
 Misc Info **Dupe**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	ug/L	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
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Data File Name **BNA08322.D**
Operator **BPatel**
Date Acquired **5-Aug-03**

Sample Name **3043903**
Misc Info **Dupe**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzydine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank

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

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

Dupe

Lab Name: FMETL Lab Code 13461
 Project: LTM Case No.: 30439 Location: M5 SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3043903
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08322.D
 Level: (low/med) LOW Date Received: 7/30/2003
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 8/5/2003
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/5/2003
 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.	unknown	6.70	9	J

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

Data File Name **BNA08323.D**
 Operator **BPatel**
 Date Acquired **5-Aug-03**

Sample Name **3043904**
 Misc Info **M5MW10**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report
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Data File Name **BNA08323.D**
Operator **BPatel**
Date Acquired **5-Aug-03**

Sample Name **3043904**
Misc Info **M5MW10**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW10

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30439 Location: M5 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3043904

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08323.D

Level: (low/med) LOW Date Received: 7/30/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 8/5/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/5/2003

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.	unknown	6.70	9	J

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

Data File Name **BNA08324.D**
 Operator **BPatel**
 Date Acquired **6-Aug-03**

Sample Name **3043905**
 Misc Info **M5MW11**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report

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Data File Name **BNA08324.D**
 Operator **BPatel**
 Date Acquired **6-Aug-03**

Sample Name **3043905**
 Misc Info **M5MW11**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW11

Lab Name: FMETL Lab Code 13461
 Project: LTM Case No.: 30439 Location: M5 SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3043905
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08324.D
 Level: (low/med) LOW Date Received: 7/30/2003
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 8/5/2003
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/6/2003
 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.	unknown	6.70	9	J

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

Data File Name **BNA08325.D**
 Operator **BPatel**
 Date Acquired **6-Aug-03**

Sample Name **3043906**
 Misc Info **M5MW12**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report
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Data File Name **BNA08325.D**
Operator **BPatel**
Date Acquired **6-Aug-03**

Sample Name **3043906**
Misc Info **M5MW12**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW12

Lab Name: FMETL Lab Code 13461
Project: LTM Case No.: 30439 Location: M5 SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3043906
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08325.D
Level: (low/med) LOW Date Received: 7/30/2003
% Moisture: _____ decanted: (Y/N) N Date Extracted: 8/5/2003
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/6/2003
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.	unknown	6.70	12	J

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

Data File Name **BNA08326.D**
 Operator **BPatel**
 Date Acquired **6-Aug-03**

Sample Name **3043907**
 Misc Info **M5MW13**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	ug/L	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report

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Data File Name **BNA08326.D**
 Operator **BPatel**
 Date Acquired **6-Aug-03**

Sample Name **3043907**
 Misc Info **M5MW13**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW13

Lab Name: FMETL Lab Code 13461
Project: LTM Case No.: 30439 Location: M5 SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3043907
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08326.D
Level: (low/med) LOW Date Received: 7/30/2003
% Moisture: _____ decanted: (Y/N) N Date Extracted: 8/5/2003
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/6/2003
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.70	9	J
2.	unknown	9.43	5	J

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

Data File Name **BNA08327.D**
 Operator **BPatel**
 Date Acquired **6-Aug-03**

Sample Name **3043908**
 Misc Info **M5MW14**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	ug/L	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name **BNA08327.D**
Operator **BPatel**
Date Acquired **6-Aug-03**

Sample Name **3043908**
Misc Info **M5MW14**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW14

Lab Name: FMETL Lab Code 13461
 Project: LTM Case No.: 30439 Location: M5 SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3043908
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08327.D
 Level: (low/med) LOW Date Received: 7/30/2003
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 8/5/2003
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/6/2003
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.70	10	J
2.	unknown	24.56	6	J
3. 000646-13-9	Octadecanoic acid, 2-methylprop	26.29	6	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name **BNA08328.D**
 Operator **BPatel**
 Date Acquired **6-Aug-03**

Sample Name **3043909**
 Misc Info **M5MW15**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report

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Data File Name **BNA08328.D**
 Operator **BPatel**
 Date Acquired **6-Aug-03**

Sample Name **3043909**
 Misc Info **M5MW15**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW15

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30439 Location: M5 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3043909

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08328.D

Level: (low/med) LOW Date Received: 7/30/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 8/5/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/6/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000541-05-9	Cyclotrisiloxane, hexamethyl-	5.97	8	JN
2.	unknown	6.70	10	J
3.	unknown	9.43	5	J
4.	unknown	24.56	6	J
5. 000646-13-9	Octadecanoic acid, 2-methylprop	26.29	6	JN

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

Data File Name **BNA08329.D**
 Operator **BPatel**
 Date Acquired **6-Aug-03**

Sample Name **3043910**
 Misc Info **M5MW16**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	ug/L	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name **BNA08329.D**
Operator **BPatel**
Date Acquired **6-Aug-03**

Sample Name **3043910**
Misc Info **M5MW16**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniiline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW16

Lab Name: FMETL Lab Code 13461
 Project: LTM Case No.: 30439 Location: M5 SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3043910
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08329.D
 Level: (low/med) LOW Date Received: 7/30/2003
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 8/5/2003
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/6/2003
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.70	12	J
2.	unknown	24.56	7	J
3. 000123-95-5	Octadecanoic acid, butyl ester	26.29	7	JN

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

Data File Name **BNA08330.D**
 Operator **BPatel**
 Date Acquired **6-Aug-03**

Sample Name **3043911**
 Misc Info **M5MW18**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report

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Data File Name **BNA08330.D**
 Operator **BPatel**
 Date Acquired **6-Aug-03**

Sample Name **3043911**
 Misc Info **M5MW18**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzdine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW18

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30439 Location: M5 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3043911

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08330.D

Level: (low/med) LOW Date Received: 7/30/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 8/5/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/6/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

Number TICs found: 6 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 059242-27-2	Furan, 2,5-dihydro-2,5-dimethyl-	5.71	9	JN
2.	unknown	5.96	6	J
3. 000541-05-9	Cyclotrisiloxane, hexamethyl-	6.01	12	JN
4.	unknown	6.70	6	J
5.	unknown	24.56	8	J
6. 000646-13-9	Octadecanoic acid, 2-methylprop	26.29	8	JN

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

Data File Name **BNA08331.D**
 Operator **BPatel**
 Date Acquired **6-Aug-03**

Sample Name **3043912**
 Misc Info **M5MW19**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report

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Data File Name **BNA08331.D**
 Operator **BPatel**
 Date Acquired **6-Aug-03**

Sample Name **3043912**
 Misc Info **MSMW19**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7-9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW19

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30439 Location: M5 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3043912

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08331.D

Level: (low/med) LOW Date Received: 7/30/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 8/5/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/6/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.70	11	J
2.	unknown	24.56	8	J
3. 000646-13-9	Octadecanoic acid, 2-methylprop	26.29	8	JN

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

Data File Name **BNA08332.D**
 Operator **BPatel**
 Date Acquired **6-Aug-03**

Sample Name **3043913**
 Misc Info **M5MW20**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report

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Data File Name **BNA08332.D**
 Operator **BPatel**
 Date Acquired **6-Aug-03**

Sample Name **3043913**
 Misc Info **M5MW20**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW20

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30439 Location: M5 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3043913

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08332.D

Level: (low/med) LOW Date Received: 7/30/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 8/5/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/6/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.70	10	J
2.	unknown	24.56	10	J
3. 000123-95-5	Octadecanoic acid, butyl ester	26.29	9	JN

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

Data File Name **BNA08333.D**
 Operator **BPatel**
 Date Acquired **6-Aug-03**

Sample Name **3043914**
 Misc Info **M5MW23**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report
Page 2

Data File Name **BNA08333.D**
Operator **BPatel**
Date Acquired **6-Aug-03**

Sample Name **3043914**
Misc Info **M5MW23**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW23

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30439 Location: M5 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3043914

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08333.D

Level: (low/med) LOW Date Received: 7/30/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 8/5/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/6/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.70	12	J
2.	unknown	24.56	13	J
3. 000123-95-5	Octadecanoic acid, butyl ester	26.29	12	JN

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

Data File Name **BNA08336.D**
 Operator **BPatel**
 Date Acquired **6-Aug-03**

Sample Name **3043915**
 Misc Info **M5MW25**
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L

Semi-Volatile Analysis Report Page 2

Data File Name **BNA08336.D**
Operator **BPatel**
Date Acquired **6-Aug-03**

Sample Name **3043915**
Misc Info **M5MW25**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L
92-87-5	Benzydine			not detected	50	2.22	10.00	ug/L
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

M5MW25

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30439 Location: M5 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3043915

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08336.D

Level: (low/med) LOW Date Received: 7/30/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 8/5/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/6/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.70	11	J
2.	unknown	24.56	10	J
3. 000646-13-9	Octadecanoic acid, 2-methylprop	26.29	9	JN

TABULATED ANALYTICAL REPORT
SW 846 608
Pesticides/PCB

mb 080603

Matrix: Aqueous
Date Extracted: 8/6/2003
Ext. Batch: 080603
Date Analysed: 8/6/2003

Filename: 01028.D

Analyst: A.A.

<u>CAS #</u>	<u>COMPOUNDS</u>	<u>RESULTS</u> (ug/L)	<u>MDL</u> (ug/L)
319-84-6	alpha-BHC	ND	0.0011
319-85-7	beta-BHC	ND	0.0050
58-89-9	gamma-BHC	ND	0.0013
319-86-8	delta-BHC	ND	0.0016
76-44-8	Heptachlor	ND	0.0035
309-00-2	Aldrin	ND	0.0026
1024-57-3	Heptachlor epoxide	ND	0.0020
5103-71-9	gamma-Chlordane	ND	0.0007
5103-74-2	alpha-Chlordane	ND	0.0036
959-98-8	Endosulfan I	ND	0.0016
72-55-9	4,4'-DDE	ND	0.0021
60-57-1	Dieldrin	ND	0.0020
72-20-8	Endrin	ND	0.0032
33213-65-9	Endosulfan II	ND	0.0022
72-54-8	4,4'-DDD	ND	0.0020
7421-93-4	Endrin aldehyde	ND	0.0100
50-29-3	4,4'-DDT	ND	0.0052
1031-07-8	Endosulfan sulfate	ND	0.0026
53494-70-5	Endrin ketone	ND	0.0026
72-43-5	Methoxychlor	ND	0.0100
8001-35-2	Toxaphene	ND	0.0157
12674-11-2	Arochlor 1016	ND	0.0683
11104-28-2	Arochlor 1221	ND	0.0666
11141-16-5	Arochlor 1232	ND	0.0648
53469-21-9	Arochlor 1242	ND	0.0485
12672-29-6	Arochlor 1248	ND	0.0544
11097-69-1	Arochlor 1254	ND	0.0608
11096-82-5	Arochlor 1260	ND	0.0732

MDL = METHOD DETECTION LIMIT
ND = NOT DETECTED, BELOW MDL

Initial vol. (ml): 1000.00
Final vol. (ml): 10

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells 3rd Qtr. '03
Field ID: FIELDBLANK
Lab ID: 3043902
Filename: 01030.D
Lab Project : 30439

Location: M5 Wells 3rd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 080603
Date Extracted: 8/6/2003
Date Analyzed: 06-Aug-03
Dilution: 1
Analyst: A.A.

<u>CAS #</u>	<u>COMPOUNDS</u>	<u>RESULTS</u> <u>(ug/L)</u>	<u>Reporting Limit</u> <u>(ug/L)</u>	<u>Regulatory Level</u> <u>(ug/L)</u>	<u>Qualifier</u>	<u>MDL</u> <u>(ug/L)</u>
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells 3rd Qtr. '03
Field ID: Dupe
Lab ID: 3043903
Filename: 01031.D
Lab Project : 30439

Location: M5 Wells 3rd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 080603
Date Extracted: 8/6/2003
Date Analyzed: 06-Aug-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells 3rd Qtr. '03
Field ID: M5MW10
Lab ID: 3043904
Filename: 01032.D
Lab Project : 30439

Location: M5 Wells 3rd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 080603
Date Extracted: 8/6/2003
Date Analyzed: 06-Aug-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS	Reporting Limit	Regulatory Level	Qualifier	MDL
		(ug/L)	(ug/L)	(ug/L)		(ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells 3rd Qtr. '03
Field ID: M5MW11
Lab ID: 3043905
Filename: 01033.D
Lab Project : 30439

Location: M5 Wells 3rd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 080603
Date Extracted: 8/6/2003
Date Analyzed: 06-Aug-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells 3rd Qtr. '03
Field ID: M5MW12
Lab ID: 3043906
Filename: 01034.D
Lab Project : 30439

Location: M5 Wells 3rd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 080603
Date Extracted: 8/6/2003
Date Analyzed: 06-Aug-03
Dilution: 1
Analyst: A.A.

<u>CAS #</u>	<u>COMPOUNDS</u>	<u>RESULTS</u> (ug/L)	<u>Reporting Limit</u> (ug/L)	<u>Regulatory Level</u> (ug/L)	<u>Qualifier</u>	<u>MDL</u> (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Decoded / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells 3rd Qtr. '03
Field ID: M5MW13
Lab ID: 3043907
Filename: 01035.D
Lab Project : 30439

Location: M5 Wells 3rd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 080603
Date Extracted: 8/6/2003
Date Analyzed: 06-Aug-03
Dilution: 1
Analyst: A.A.

<u>CAS #</u>	<u>COMPOUNDS</u>	<u>RESULTS</u> (ug/L)	<u>Reporting Limit</u> (ug/L)	<u>Regulatory Level</u> (ug/L)	<u>Qualifier</u>	<u>MDL</u> (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells 3rd Qtr. '03
Field ID: M5MW14
Lab ID: 3043908
Filename: 01036.D
Lab Project : 30439

Location: M5 Wells 3rd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 080603
Date Extracted: 8/6/2003
Date Analyzed: 06-Aug-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS	Reporting Limit	Regulatory Level	Qualifier	MDL
		(ug/L)	(ug/L)	(ug/L)		(ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells 3rd Qtr. '03
Field ID: M5MW15
Lab ID: 3043909
Filename: 01037.D
Lab Project : 30439

Location: M5 Wells 3rd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 080603
Date Extracted: 8/6/2003
Date Analyzed: 06-Aug-03
Dilution: 1
Analyst: A.A.

<u>CAS #</u>	<u>COMPOUNDS</u>	<u>RESULTS</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>	<u>Qualifier</u>	<u>MDL</u>
		<u>(ug/L)</u>	<u>(ug/L)</u>	<u>(ug/L)</u>		<u>(ug/L)</u>
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Decided / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells 3rd Qtr. '03
Field ID: M5MW16
Lab ID: 3043910
Filename: 01038.D
Lab Project : 30439

Location: M5 Wells 3rd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 080603
Date Extracted: 8/6/2003
Date Analyzed: 06-Aug-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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**Report of Analysis
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PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells 3rd Qtr. '03
Field ID: M5MW18
Lab ID: 3043911
Filename: 01039.D
Lab Project : 30439

Location: M5 Wells 3rd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 080603
Date Extracted: 8/6/2003
Date Analyzed: 06-Aug-03
Dilution: 1
Analyst: A.A.

<u>CAS #</u>	<u>COMPOUNDS</u>	<u>RESULTS</u> (ug/L)	<u>Reporting Limit</u> (ug/L)	<u>Regulatory Level</u> (ug/L)	<u>Qualifier</u>	<u>MDL</u> (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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**Report of Analysis
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PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells 3rd Qtr. '03
Field ID: M5MW19
Lab ID: 3043912
Filename: 01040.D
Lab Project : 30439

Location: M5 Wells 3rd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 080603
Date Extracted: 8/6/2003
Date Analyzed: 06-Aug-03
Dilution: 1
Analyst: A.A.

<u>CAS #</u>	<u>COMPOUNDS</u>	<u>RESULTS</u> <u>(ug/L)</u>	<u>Reporting Limit</u> <u>(ug/L)</u>	<u>Regulatory Level</u> <u>(ug/L)</u>	<u>Qualifier</u>	<u>MDL</u> <u>(ug/L)</u>
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells 3rd Qtr. '03
Field ID: M5MW20
Lab ID: 3043913
Filename: 01041.D
Lab Project : 30439

Location: M5 Wells 3rd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 080603
Date Extracted: 8/6/2003
Date Analyzed: 06-Aug-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Decteded / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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 173 Riverside Avenue, NJ 07703.

Report of Analysis
 NJDEP Certification # 13461
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Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells 3rd Qtr. '03
Field ID: M5MW23
Lab ID: 3043914
Filename: 01042.D
Lab Project : 30439

Location: M5 Wells 3rd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 080603
Date Extracted: 8/6/2003
Date Analyzed: 06-Aug-03
Dilution: 1
Analyst: A.A.

<u>CAS #</u>	<u>COMPOUNDS</u>	<u>RESULTS</u> (ug/L)	<u>Reporting Limit</u> (ug/L)	<u>Regulatory Level</u> (ug/L)	<u>Qualifier</u>	<u>MDL</u> (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

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**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M5 Wells 3rd Qtr. '03
Field ID: M5MW25
Lab ID: 3043915
Filename: 01043.D
Lab Project : 30439

Location: M5 Wells 3rd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 080603
Date Extracted: 8/6/2003
Date Analyzed: 07-Aug-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND = Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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

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

Lab ID #: 30439
 Sample Prepared:

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: Method Blank

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	08/07/03	190	200	200	21.8
Antimony	08/07/03	ND	20	20.0	3.70
Arsenic	08/07/03	ND	8	5.00	2.30
Barium	08/07/03	ND	2000	5.00	0.500
Beryllium	08/07/03	ND	20	0.500	0.020
Cadmium	08/07/03	ND	4	2.00	0.400
Calcium	08/07/03	121	NLE	1000	65.0
Chromium	08/07/03	ND	100	5.00	1.00
Cobalt	08/07/03	ND	NLE	2.00	0.300
Copper	08/07/03	1.18	1000	5.00	0.300
Iron	08/07/03	ND	300	500	78.0
Lead	08/07/03	ND	10	5.00	0.800
Magnesium	08/07/03	ND	NLE	1000	11.0
Manganese	08/07/03	ND	50	5.00	0.900
Mercury	08/05/03	ND	2	0.500	0.150
Nickel	08/07/03	ND	100	5.00	0.700
Potassium	08/07/03	139	NLE	1000	25.0
Selenium	08/07/03	5.32	50	20.0	4.80
Silver	08/07/03	ND	20	5.00	0.600
Sodium	08/07/03	ND	50000	5000	1160
Thallium	08/07/03	ND	10	10.0	1.90
Vanadium	08/07/03	ND	NLE	5.00	0.200
Zinc	08/07/03	ND	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3043902
 Sample Received: 07/30/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: Field Blank

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	08/07/03	45.1	200	200	21.8
Antimony	08/07/03	ND	20	20.0	3.70
Arsenic	08/07/03	ND	8	5.00	2.30
Barium	08/07/03	ND	2000	5.00	0.500
Beryllium	08/07/03	0.022	20	0.500	0.020
Cadmium	08/07/03	ND	4	2.00	0.400
Calcium	08/07/03	115	NLE	1000	65.0
Chromium	08/07/03	ND	100	5.00	1.00
Cobalt	08/07/03	ND	NLE	2.00	0.300
Copper	08/07/03	0.312	1000	5.00	0.300
Iron	08/07/03	ND	300	500	78.0
Lead	08/07/03	1.32	10	5.00	0.800
Magnesium	08/07/03	ND	NLE	1000	11.0
Manganese	08/07/03	13.5	50	5.00	0.900
Mercury	08/05/03	ND	2	0.500	0.150
Nickel	08/07/03	ND	100	5.00	0.700
Potassium	08/07/03	574	NLE	1000	25.0
Selenium	08/07/03	ND	50	20.0	4.80
Silver	08/07/03	ND	20	5.00	0.600
Sodium	08/07/03	ND	50000	5000	1160
Thallium	08/07/03	ND	10	10.0	1.90
Vanadium	08/07/03	ND	NLE	5.00	0.200
Zinc	08/07/03	16.6	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
 * Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
 R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3043903
 Sample Received: 07/30/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: Dupe

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	08/07/03	362	200	200	21.8
Antimony	08/07/03	ND	20	20.0	3.70
Arsenic	08/07/03	ND	8	5.00	2.30
Barium	08/07/03	146	2000	5.00	0.500
Beryllium	08/07/03	0.377	20	0.500	0.020
Cadmium	08/07/03	0.966	4	2.00	0.400
Calcium	08/07/03	33800	NLE	1000	65.0
Chromium	08/07/03	2.90	100	5.00	1.00
Cobalt	08/07/03	7.38	NLE	2.00	0.300
Copper	08/07/03	6.40	1000	5.00	0.300
Iron	08/07/03	2800	300	500	78.0
Lead	08/07/03	1.02	10	5.00	0.800
Magnesium	08/07/03	18000	NLE	1000	11.0
Manganese	08/07/03	72.4	50	5.00	0.900
Mercury	08/05/03	ND	2	0.500	0.150
Nickel	08/07/03	17.2	100	5.00	0.700
Potassium	08/07/03	5380	NLE	1000	25.0
Selenium	08/07/03	8.92	50	20.0	4.80
Silver	08/07/03	ND	20	5.00	0.600
Sodium	08/07/03	152000	50000	5000	1160
Thallium	08/07/03	ND	10	10.0	1.90
Vanadium	08/07/03	1.63	NLE	5.00	0.200
Zinc	08/07/03	210	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3043904
 Sample Received: 07/30/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW10

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	08/07/03	93.2	200	200	21.8
Antimony	08/07/03	ND	20	20.0	3.70
Arsenic	08/07/03	ND	8	5.00	2.30
Barium	08/07/03	55.9	2000	5.00	0.500
Beryllium	08/07/03	ND	20	0.500	0.020
Cadmium	08/07/03	0.545	4	2.00	0.400
Calcium	08/07/03	11400	NLE	1000	65.0
Chromium	08/07/03	2.23	100	5.00	1.00
Cobalt	08/07/03	ND	NLE	2.00	0.300
Copper	08/07/03	3.78	1000	5.00	0.300
Iron	08/07/03	4280	300	500	78.0
Lead	08/07/03	ND	10	5.00	0.800
Magnesium	08/07/03	13700	NLE	1000	11.0
Manganese	08/07/03	106	50	5.00	0.900
Mercury	08/05/03	ND	2	0.500	0.150
Nickel	08/07/03	ND	100	5.00	0.700
Potassium	08/07/03	15600	NLE	1000	25.0
Selenium	08/07/03	6.64	50	20.0	4.80
Silver	08/07/03	ND	20	5.00	0.600
Sodium	08/07/03	26100	50000	5000	1160
Thallium	08/07/03	ND	10	10.0	1.90
Vanadium	08/07/03	1.49	NLE	5.00	0.200
Zinc	08/07/03	26.8	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3043905
 Sample Received: 07/30/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW11

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	08/07/03	240	200	200	21.8
Antimony	08/07/03	ND	20	20.0	3.70
Arsenic	08/07/03	4.12	8	5.00	2.30
Barium	08/07/03	8.91	2000	5.00	0.500
Beryllium	08/07/03	ND	20	0.500	0.020
Cadmium	08/07/03	0.759	4	2.00	0.400
Calcium	08/07/03	20500	NLE	1000	65.0
Chromium	08/07/03	3.03	100	5.00	1.00
Cobalt	08/07/03	2.03	NLE	2.00	0.300
Copper	08/07/03	1.54	1000	5.00	0.300
Iron	08/07/03	11100	300	500	78.0
Lead	08/07/03	0.804	10	5.00	0.800
Magnesium	08/07/03	7710	NLE	1000	11.0
Manganese	08/07/03	69.0	50	5.00	0.900
Mercury	08/05/03	ND	2	0.500	0.150
Nickel	08/07/03	2.78	100	5.00	0.700
Potassium	08/07/03	3690	NLE	1000	25.0
Selenium	08/07/03	ND	50	20.0	4.80
Silver	08/07/03	ND	20	5.00	0.600
Sodium	08/07/03	47300	50000	5000	1160
Thallium	08/07/03	ND	10	10.0	1.90
Vanadium	08/07/03	8.22	NLE	5.00	0.200
Zinc	08/07/03	111	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3043906
 Sample Received: 07/30/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW12

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	08/07/03	1310	200	200	21.8
Antimony	08/07/03	ND	20	20.0	3.70
Arsenic	08/07/03	ND	8	5.00	2.30
Barium	08/07/03	56.8	2000	5.00	0.500
Beryllium	08/07/03	0.0923	20	0.500	0.020
Cadmium	08/07/03	1.01	4	2.00	0.400
Calcium	08/07/03	22700	NLE	1000	65.0
Chromium	08/07/03	13.3	100	5.00	1.00
Cobalt	08/07/03	ND	NLE	2.00	0.300
Copper	08/07/03	3.01	1000	5.00	0.300
Iron	08/07/03	19500	300	500	78.0
Lead	08/07/03	2.15	10	5.00	0.800
Magnesium	08/07/03	32600	NLE	1000	11.0
Manganese	08/07/03	81.1	50	5.00	0.900
Mercury	08/05/03	ND	2	0.500	0.150
Nickel	08/07/03	1.47	100	5.00	0.700
Potassium	08/07/03	23700	NLE	1000	25.0
Selenium	08/07/03	ND	50	20.0	4.80
Silver	08/07/03	ND	20	5.00	0.600
Sodium	08/07/03	76200	50000	5000	1160
Thallium	08/07/03	ND	10	10.0	1.90
Vanadium	08/07/03	7.58	NLE	5.00	0.200
Zinc	08/07/03	36.5	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3043907
 Sample Received: 07/30/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW13

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	08/07/03	449	200	200	21.8
Antimony	08/07/03	ND	20	20.0	3.70
Arsenic	08/07/03	ND	8	5.00	2.30
Barium	08/07/03	142	2000	5.00	0.500
Beryllium	08/07/03	0.375	20	0.500	0.020
Cadmium	08/07/03	0.990	4	2.00	0.400
Calcium	08/07/03	30300	NLE	1000	65.0
Chromium	08/07/03	2.55	100	5.00	1.00
Cobalt	08/07/03	3.91	NLE	2.00	0.300
Copper	08/07/03	4.84	1000	5.00	0.300
Iron	08/07/03	16100	300	500	78.0
Lead	08/07/03	ND	10	5.00	0.800
Magnesium	08/07/03	3530	NLE	1000	11.0
Manganese	08/07/03	236	50	5.00	0.900
Mercury	08/05/03	ND	2	0.500	0.150
Nickel	08/07/03	15.4	100	5.00	0.700
Potassium	08/07/03	3980	NLE	1000	25.0
Selenium	08/07/03	ND	50	20.0	4.80
Silver	08/07/03	ND	20	5.00	0.600
Sodium	08/07/03	71400	50000	5000	1160
Thallium	08/07/03	ND	10	10.0	1.90
Vanadium	08/07/03	2.02	NLE	5.00	0.200
Zinc	08/07/03	65.0	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
 * Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
 R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3043908
 Sample Received: 07/30/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW14

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	08/07/03	60.8	200	200	21.8
Antimony	08/07/03	ND	20	20.0	3.70
Arsenic	08/07/03	ND	8	5.00	2.30
Barium	08/07/03	75.5	2000	5.00	0.500
Beryllium	08/07/03	ND	20	0.500	0.020
Cadmium	08/07/03	ND	4	2.00	0.400
Calcium	08/07/03	45100	NLE	1000	65.0
Chromium	08/07/03	ND	100	5.00	1.00
Cobalt	08/07/03	ND	NLE	2.00	0.300
Copper	08/07/03	1.22	1000	5.00	0.300
Iron	08/07/03	3830	300	500	78.0
Lead	08/07/03	ND	10	5.00	0.800
Magnesium	08/07/03	16400	NLE	1000	11.0
Manganese	08/07/03	32.7	50	5.00	0.900
Mercury	08/05/03	ND	2	0.500	0.150
Nickel	08/07/03	ND	100	5.00	0.700
Potassium	08/07/03	12400	NLE	1000	25.0
Selenium	08/07/03	7.05	50	20.0	4.80
Silver	08/07/03	ND	20	5.00	0.600
Sodium	08/07/03	11200	50000	5000	1160
Thallium	08/07/03	ND	10	10.0	1.90
Vanadium	08/07/03	0.496	NLE	5.00	0.200
Zinc	08/07/03	7.65	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3043909
 Sample Received: 07/30/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW15

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	08/07/03	1590	200	200	21.8
Antimony	08/07/03	ND	20	20.0	3.70
Arsenic	08/07/03	ND	8	5.00	2.30
Barium	08/07/03	121	2000	5.00	0.500
Beryllium	08/07/03	2.28	20	0.500	0.020
Cadmium	08/07/03	0.553	4	2.00	0.400
Calcium	08/07/03	11300	NLE	1000	65.0
Chromium	08/07/03	2.09	100	5.00	1.00
Cobalt	08/07/03	12.5	NLE	2.00	0.300
Copper	08/07/03	0.563	1000	5.00	0.300
Iron	08/07/03	2480	300	500	78.0
Lead	08/07/03	ND	10	5.00	0.800
Magnesium	08/07/03	20100	NLE	1000	11.0
Manganese	08/07/03	28.9	50	5.00	0.900
Mercury	08/05/03	ND	2	0.500	0.150
Nickel	08/07/03	23.9	100	5.00	0.700
Potassium	08/07/03	7280	NLE	1000	25.0
Selenium	08/07/03	5.03	50	20.0	4.80
Silver	08/07/03	ND	20	5.00	0.600
Sodium	08/07/03	16400	50000	5000	1160
Thallium	08/07/03	ND	10	10.0	1.90
Vanadium	08/07/03	1.11	NLE	5.00	0.200
Zinc	08/07/03	152	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3043910
 Sample Received: 07/30/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW16

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	08/07/03	258	200	200	21.8
Antimony	08/07/03	ND	20	20.0	3.70
Arsenic	08/07/03	4.38	8	5.00	2.30
Barium	08/07/03	258	2000	5.00	0.500
Beryllium	08/07/03	0.166	20	0.500	0.020
Cadmium	08/07/03	1.47	4	2.00	0.400
Calcium	08/07/03	34100	NLE	1000	65.0
Chromium	08/07/03	1.40	100	5.00	1.00
Cobalt	08/07/03	2.29	NLE	2.00	0.300
Copper	08/07/03	ND	1000	5.00	0.300
Iron	08/07/03	44700	300	500	78.0
Lead	08/07/03	ND	10	5.00	0.800
Magnesium	08/07/03	13700	NLE	1000	11.0
Manganese	08/07/03	136	50	5.00	0.900
Mercury	08/05/03	ND	2	0.500	0.150
Nickel	08/07/03	9.46	100	5.00	0.700
Potassium	08/07/03	7210	NLE	1000	25.0
Selenium	08/07/03	ND	50	20.0	4.80
Silver	08/07/03	ND	20	5.00	0.600
Sodium	08/07/03	57800	50000	5000	1160
Thallium	08/07/03	ND	10	10.0	1.90
Vanadium	08/07/03	1.14	NLE	5.00	0.200
Zinc	08/07/03	57.1	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3043911
 Sample Received: 07/30/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW18

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	08/07/03	87.4	200	200	21.8
Antimony	08/07/03	ND	20	20.0	3.70
Arsenic	08/07/03	ND	8	5.00	2.30
Barium	08/07/03	202	2000	5.00	0.500
Beryllium	08/07/03	ND	20	0.500	0.020
Cadmium	08/07/03	1.11	4	2.00	0.400
Calcium	08/07/03	27600	NLE	1000	65.0
Chromium	08/07/03	ND	100	5.00	1.00
Cobalt	08/07/03	ND	NLE	2.00	0.300
Copper	08/07/03	ND	1000	5.00	0.300
Iron	08/07/03	27900	300	500	78.0
Lead	08/07/03	ND	10	5.00	0.800
Magnesium	08/07/03	4920	NLE	1000	11.0
Manganese	08/07/03	58.5	50	5.00	0.900
Mercury	08/05/03	ND	2	0.500	0.150
Nickel	08/07/03	1.06	100	5.00	0.700
Potassium	08/07/03	8700	NLE	1000	25.0
Selenium	08/07/03	ND	50	20.0	4.80
Silver	08/07/03	ND	20	5.00	0.600
Sodium	08/07/03	9810	50000	5000	1160
Thallium	08/07/03	ND	10	10.0	1.90
Vanadium	08/07/03	0.408	NLE	5.00	0.200
Zinc	08/07/03	8.15	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3043912
 Sample Received: 07/30/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW19

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	08/07/03	71.3	200	200	21.8
Antimony	08/07/03	ND	20	20.0	3.70
Arsenic	08/07/03	2.37	8	5.00	2.30
Barium	08/07/03	65.8	2000	5.00	0.500
Beryllium	08/07/03	ND	20	0.500	0.020
Cadmium	08/07/03	0.689	4	2.00	0.400
Calcium	08/07/03	28800	NLE	1000	65.0
Chromium	08/07/03	ND	100	5.00	1.00
Cobalt	08/07/03	ND	NLE	2.00	0.300
Copper	08/07/03	ND	1000	5.00	0.300
Iron	08/07/03	17600	300	500	78.0
Lead	08/07/03	ND	10	5.00	0.800
Magnesium	08/07/03	5390	NLE	1000	11.0
Manganese	08/07/03	71.5	50	5.00	0.900
Mercury	08/05/03	ND	2	0.500	0.150
Nickel	08/07/03	ND	100	5.00	0.700
Potassium	08/07/03	8920	NLE	1000	25.0
Selenium	08/07/03	ND	50	20.0	4.80
Silver	08/07/03	ND	20	5.00	0.600
Sodium	08/07/03	15300	50000	5000	1160
Thallium	08/07/03	ND	10	10.0	1.90
Vanadium	08/07/03	0.738	NLE	5.00	0.200
Zinc	08/07/03	6.35	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3043913
 Sample Received: 07/30/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW20

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	08/07/03	844	200	200	21.8
Antimony	08/07/03	ND	20	20.0	3.70
Arsenic	08/07/03	ND	8	5.00	2.30
Barium	08/07/03	11.3	2000	5.00	0.500
Beryllium	08/07/03	0.0825	20	0.500	0.020
Cadmium	08/07/03	ND	4	2.00	0.400
Calcium	08/07/03	27800	NLE	1000	65.0
Chromium	08/07/03	6.62	100	5.00	1.00
Cobalt	08/07/03	0.381	NLE	2.00	0.300
Copper	08/07/03	1.33	1000	5.00	0.300
Iron	08/07/03	4650	300	500	78.0
Lead	08/07/03	ND	10	5.00	0.800
Magnesium	08/07/03	8670	NLE	1000	11.0
Manganese	08/07/03	22.8	50	5.00	0.900
Mercury	08/05/03	ND	2	0.500	0.150
Nickel	08/07/03	2.08	100	5.00	0.700
Potassium	08/07/03	4090	NLE	1000	25.0
Selenium	08/07/03	6.37	50	20.0	4.80
Silver	08/07/03	ND	20	5.00	0.600
Sodium	08/07/03	92600	50000	5000	1160
Thallium	08/07/03	ND	10	10.0	1.90
Vanadium	08/07/03	4.63	NLE	5.00	0.200
Zinc	08/07/03	10.0	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3043914
 Sample Received: 07/30/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW23

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	08/07/03	255	200	200	21.8
Antimony	08/07/03	ND	20	20.0	3.70
Arsenic	08/07/03	13.3	8	5.00	2.30
Barium	08/07/03	119	2000	5.00	0.500
Beryllium	08/07/03	0.0632	20	0.500	0.020
Cadmium	08/07/03	1.45	4	2.00	0.400
Calcium	08/07/03	14200	NLE	1000	65.0
Chromium	08/07/03	3.55	100	5.00	1.00
Cobalt	08/07/03	ND	NLE	2.00	0.300
Copper	08/07/03	ND	1000	5.00	0.300
Iron	08/07/03	37800	300	500	78.0
Lead	08/07/03	ND	10	5.00	0.800
Magnesium	08/07/03	2990	NLE	1000	11.0
Manganese	08/07/03	37.7	50	5.00	0.900
Mercury	08/05/03	ND	2	0.500	0.150
Nickel	08/07/03	0.890	100	5.00	0.700
Potassium	08/07/03	4470	NLE	1000	25.0
Selenium	08/07/03	ND	50	20.0	4.80
Silver	08/07/03	ND	20	5.00	0.600
Sodium	08/07/03	31600	50000	5000	1160
Thallium	08/07/03	ND	10	10.0	1.90
Vanadium	08/07/03	2.60	NLE	5.00	0.200
Zinc	08/07/03	9.86	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.

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

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

Lab ID #: 3043915
 Sample Received: 07/30/03
 Sample Matrix: Aqueous

Site: M5
 Ft. Monmouth, New Jersey

Field ID#: M5MW25

Method of Digestion: E.P.A SW-846, Method 3015A
 Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	08/07/03	275	200	200	21.8
Antimony	08/07/03	ND	20	20.0	3.70
Arsenic	08/07/03	ND	8	5.00	2.30
Barium	08/07/03	147	2000	5.00	0.500
Beryllium	08/07/03	0.373	20	0.500	0.020
Cadmium	08/07/03	1.02	4	2.00	0.400
Calcium	08/07/03	33300	NLE	1000	65.0
Chromium	08/07/03	1.99	100	5.00	1.00
Cobalt	08/07/03	7.54	NLE	2.00	0.300
Copper	08/07/03	4.77	1000	5.00	0.300
Iron	08/07/03	2160	300	500	78.0
Lead	08/07/03	ND	10	5.00	0.800
Magnesium	08/07/03	17800	NLE	1000	11.0
Manganese	08/07/03	46.7	50	5.00	0.900
Mercury	08/05/03	ND	2	0.500	0.150
Nickel	08/07/03	17.3	100	5.00	0.700
Potassium	08/07/03	5140	NLE	1000	25.0
Selenium	08/07/03	6.21	50	20.0	4.80
Silver	08/07/03	ND	20	5.00	0.600
Sodium	08/07/03	149000	50000	5000	1160
Thallium	08/07/03	ND	10	10.0	1.90
Vanadium	08/07/03	1.07	NLE	5.00	0.200
Zinc	08/07/03	180	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

R.L= Reporting limit. Note: The results reported between MDL and RL are estimated.

SOURCE: 00M5MW10

Sampling Dates: 05/08/1997 - 07/30/2003

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. M-5
Source 3 of 14

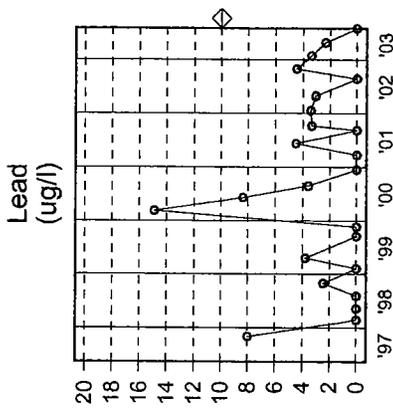
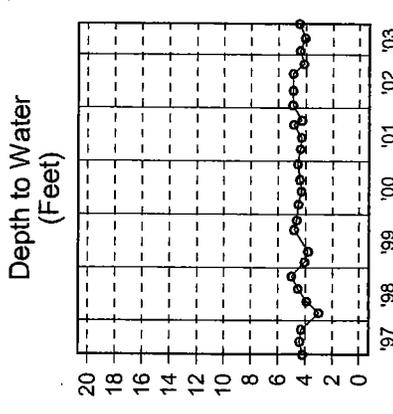
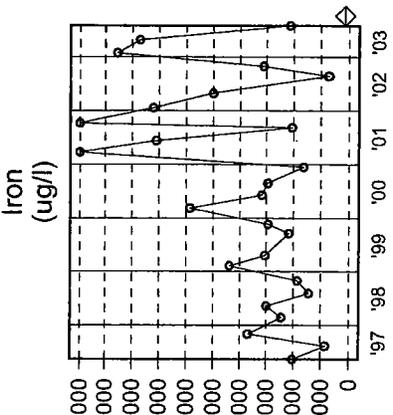
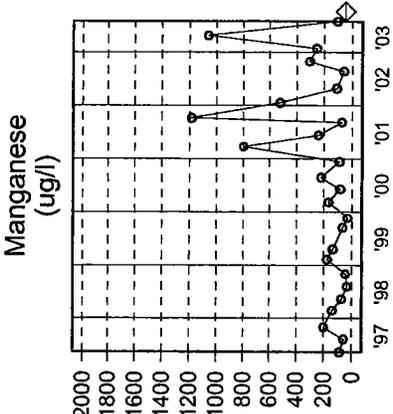
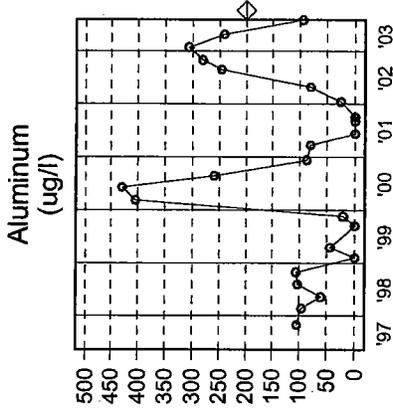
Ag in blank > GW Criteria for 5/8/97.

Units:	Lab	Iron	Manganese	Aluminum	Lead	Depth to Water	Notes
NJDEP Criteria:	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	
05/08/1997	FMETL	4080	87	-	-	4.20	V,S,P,M
08/08/1997	FMETL	1680	59	-	-	4.40	V,S,P,M
10/29/1997	FMETL	7386	200	105	8	4.30	V,S,P,M
02/18/1998	FMETL	4899	138	96	ND	3.00	V,S,P,M
05/06/1998	FMETL	6027	75	60.1	ND	3.90	V,S,P,M
08/04/1998	FMETL	2850	35.4	103	ND	4.54	V,S,P,M
10/27/1998	FMETL	3690	47.8	106	2.45	5.03	V,S,P,M
02/02/1999	FMETL	8760	175	ND	ND	4.07	V,S,P,M
04/13/1999	FMETL	6110	135	43.9	3.79	3.81	V,S,P,M
09/13/1999	FMETL	4330	66.7	ND	ND	4.83	V,S,P,M
11/18/1999	FMETL	5880	33.6	21.4	ND	4.65	V,S,P,M
03/03/2000	FMETL	11700	166	404	14.9	4.53	V,S,P,M
05/31/2000	FMETL	6360	86.8	429	8.36	4.30	V,S,P,M
08/21/2000	FMETL	5940	218	259	3.56	4.43	V,S,P,M
12/11/2000	FMETL	3250	92.2	86.1	ND	4.57	V,S,P,M
03/19/2001	FMETL	23600	796	80	ND	4.37	V,S,P,M
06/05/2001	FMETL	14200	237	ND	4.50	4.32	V,S,P,M
09/05/2001	FMETL	4130	76.8	ND	ND	4.89	V,S,P,M
10/04/2001	FMETL	27400	1180	ND	3.33	4.29	V,S,P,M
01/14/2002	FMETL	14400	524	25.5	3.42	4.96	V,S,P,M
04/23/2002	FMETL	10000	112	79.8	3.07	4.93	V,S,P,M
08/21/2002	FMETL	1460	62.3	246	ND	4.94	V,S,P,M
10/28/2002	FMETL	6260	304	281	4.45	4.14	V,S,P,M
01/22/2003	FMETL	17100	252	306	3.39	4.43	V,S,P,M
04/21/2003	FMETL	15400	1060	241	2.34	4.07	V,S,P,M
07/30/2003	FMETL	4280	106	93.2	ND	4.48	V,S,P,M



SOURCE: 00M5MW10

Sampling Dates:
05/08/1997 - 07/30/2003



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 3 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW11		Sampling Dates: 05/08/1997 - 07/30/2003		NOTES:				
Units:	Lab	Tetra chloro ethene	Iron	Manganese	Aluminum	Lead	Depth to Water	Notes
NJDEP Criteria:	-	1	300	50	200	10	Feet	-
05/08/1997	FMETL	63	4060	85	-	-	7.10	V,S,P,M
08/08/1997	FMETL	58	110	66	-	-	7.70	V,S,P,M
10/29/1997	FMETL	65	1551	12.7	669	8	7.75	V,S,P,M
02/18/1998	FMETL	39	305	32	222	ND	6.65	V,S,P,M
05/06/1998	FMETL	24.39	58	6.4	ND	ND	6.80	V,S,P,M
08/04/1998	FMETL	18.37	1500	16.9	4570	2.38	7.91	V,S,P,M
10/27/1998	FMETL	52.64	184	7.74	78.8	ND	8.51	V,S,P,M
02/02/1999	FMETL	5.16	1670	44.4	267	ND	6.99	V,S,P,M
04/13/1999	FMETL	33.38	227	9.71	92.9	ND	7.16	V,S,P,M
09/13/1999	FMETL	49.25	680	16.5	ND	ND	8.35	V,S,P,M
11/18/1999	FMETL	74.12	30.5	ND	ND	ND	7.62	V,S,P,M
03/03/2000	FMETL	30.62	330	9.56	189	ND	7.21	V,S,P,M
05/31/2000	FMETL	13.38	657	10.1	76.2	ND	7.28	V,S,P,M
08/21/2000	FMETL	18.79	438	38.8	350	1.34	6.97	V,S,P,M
08/21/2000D	FMETL	19.64	583	38	414	1.24	6.97	V,S,P,M
12/11/2000	FMETL	18.86	5580	24.4	279	ND	7.43	V,S,P,M
12/11/2000D	FMETL	17.98	5610	25.4	260	ND	7.43	V,S,P,M
03/19/2001	FMETL	11.01	35200	17.7	240	ND	6.77	V,S,P,M
06/05/2001	FMETL	11.27	6590	31.9	ND	ND	7.26	V,S,P,M
09/05/2001	FMETL	6.11	31100	93.3	ND	6.36	8.05	V,S,P,M
10/04/2001	FMETL	15.13	18500	62.7	75.2	ND	7.88	V,S,P,M
01/14/2002	FMETL	19.04	10400	174	31.1	ND	7.83	V,S,P,M
04/23/2002	FMETL	14.43	7850	34.2	48.1	ND	7.54	V,S,P,M
08/21/2002	FMETL	8.90	18000	61.3	137	ND	8.25	V,S,P,M
10/28/2002	FMETL	8.14	2240	15.8	111	1.84	6.81	V,S,P,M
01/22/2003	FMETL	5.20	5250	15.6	202	ND	7.00	V,S,P,M
04/21/2003	FMETL	4.50	4000	22.3	185	ND	6.70	V,S,P,M
07/30/2003	FMETL	5.74	11100	69.0	240	0.804	7.38	V,S,P,M

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 4 of 14

Ag in blank > GW Criteria for 5/8/97.



SOURCE: 00M5MW12

Sampling Dates:
10/07/1998 - 07/30/2003

NOTES:
Well installed 9/98.

FORT MONMOUTH

GW MONITORING
Bldg. M-5
Source 5 of 14

Ag in blank > GW Criteria for 5/8/97.

**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

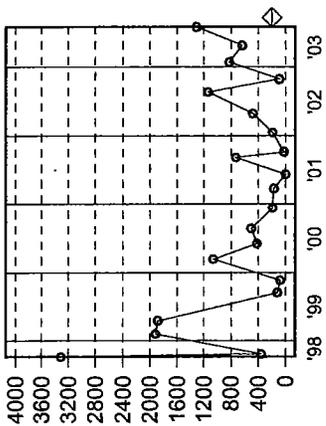
Units:	Lab	Iron	Manganese	Aluminum	Lead	Depth to Water	Notes
NJDEP Criteria:	-	ug/l 300	ug/l 50	ug/l 200	ug/l 10	Feet -	-
10/07/1998	FMETL	51400	1340	3310	7	6.86	V,S,P,M
10/21/1998	FMETL	28400	853	359	ND	6.62	V,S,P,M
02/02/1999	FMETL	ND	ND	1910	5.45	6.36	V,S,P,M
04/13/1999	FMETL	29500	263	1880	7.66	5.92	V,S,P,M
09/13/1999	FMETL	36500	566	119	ND	6.86	V,S,P,M
11/18/1999	FMETL	7020	76.9	80.9	ND	7.96	V,SP,M
03/06/2000	FMETL	13000	109	1060	6.78	5.95	V,S,P,M
05/31/2000	FMETL	11400	67.9	422	19.3	5.93	V,S,P,M
08/21/2000	FMETL	9060	97	503	1.83	5.84	V,S,P,M
12/11/2000	FMETL	6620	43.8	189	4.85	5.89	V,S,P,M
03/19/2001	FMETL	15100	181	170	ND	5.83	V,S,P,M
06/05/2001	FMETL	8030	50.8	ND	ND	5.73	V,S,P,M
09/05/2001	FMETL	19900	155	732	4.43	6.29	V,S,P,M
10/04/2001	FMETL	ND	ND	24.6	1.30	5.64	V,S,P,M
01/14/2002	FMETL	15600	328	192	16.8	5.21	V,S,P,M
04/23/2002	FMETL	16500	72.4	481	2.64	5.98	V,S,P,M
08/21/2002	FMETL	13800	78.1	1140	2.40	6.41	V,S,P,M
10/28/2002	FMETL	6090	54.6	90.9	2.12	5.60	V,S,P,M
01/22/2003	FMETL	10700	45.9	830	4.16	5.95	V,S,P,M
04/21/2003	FMETL	13000	67.1	639	1.72	5.53	V,S,P,M
07/30/2003	FMETL	19500	81.1	1310	2.15	6.08	V,S,P,M

SOURCE: 00M5MW12

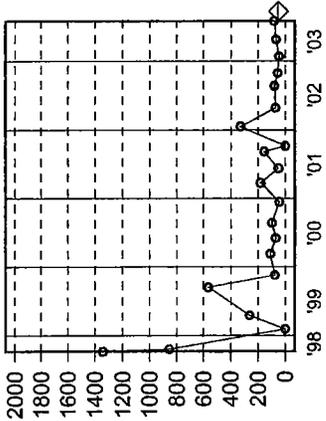
Sampling Dates:

10/07/1998 - 07/30/2003

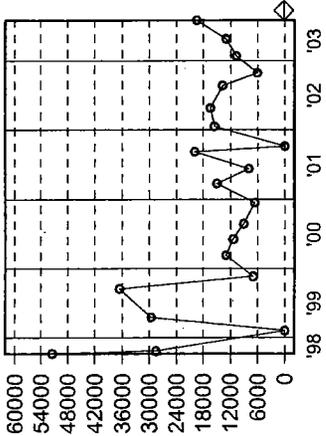
Aluminum (ug/l)



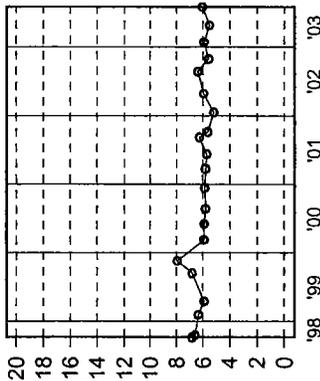
Manganese (ug/l)



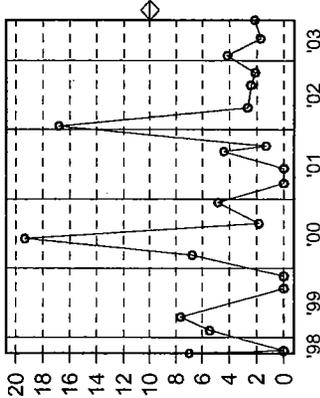
Iron (ug/l)



Depth to Water (Feet)



Lead (ug/l)



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 5 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW13

Sampling Dates:
10/21/1998 - 07/30/2003

NOTES:
Well installed 9/98.

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 6 of 14

Ag in blank > GW Criteria for 5/8/97.

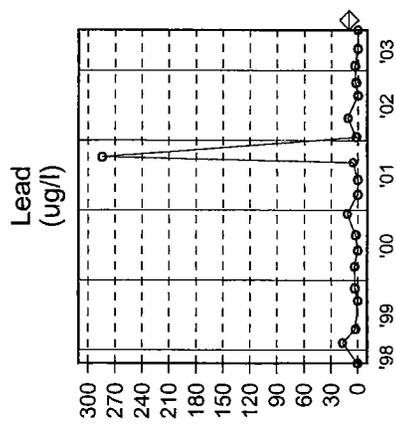
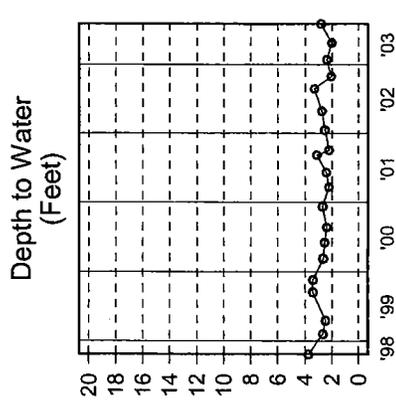
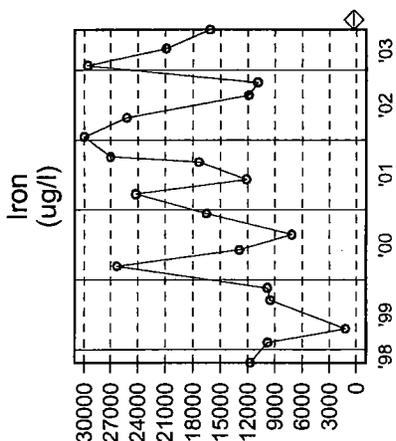
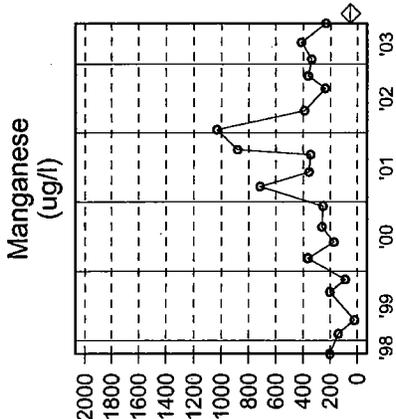
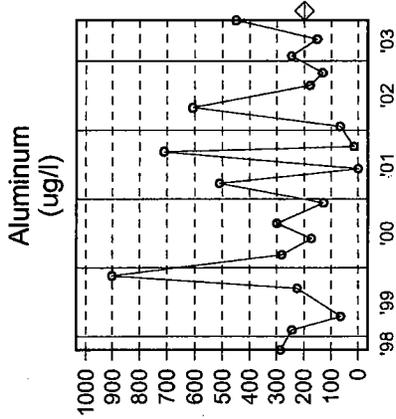
**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

Lab	Iron	Manganese	Aluminum	Lead	Depth to Water	Notes
Units:	ug/l	ug/l	ug/l	ug/l	Feet	
NJDEP Criteria:	300	50	200	10	-	-
10/21/1998	11700	203	287	ND	3.75	V,S,P,M
02/02/1999	9810	137	244	17.6	2.67	V,S,P,M
04/13/1999	1170	18.4	64.8	2.37	2.48	V,S,P,M
09/13/1999	9520	203	225	ND	3.41	V,S,P,M
11/18/1999	9860	87.8	901	3.04	3.40	V,S,P,M
03/06/2000	26300	366	282	3.62	2.64	V,S,P,M
05/31/2000	12900	173	174	ND	2.54	V,S,P,M
08/21/2000	7170	261	301	2.49	2.39	V,S,P,M
12/11/2000	16500	255	128	11.7	2.68	V,S,P,M
03/19/2001	24200	717	510	ND	2.23	V,S,P,M
06/05/2001	12100	357	ND	ND	2.44	V,S,P,M
09/05/2001	17300	348	711	5.36	3.12	V,S,P,M
10/04/2001	27000	880	16.0	284	2.24	V,S,P,M
01/14/2002	33300	1030	66.5	1.81	2.53	V,S,P,M
04/23/2002	25200	391	606	11.1	2.73	V,S,P,M
08/21/2002	11900	237	179	ND	3.32	V,S,P,M
10/28/2002	10900	364	132	2.02	2.08	V,S,P,M
01/22/2003	29600	339	246	3.26	2.37	V,S,P,M
04/21/2003	20900	415	152	ND	2.03	V,S,P,M
07/30/2003	16100	236	449	ND	2.80	V,S,P,M

SOURCE: 00M5MW13

Sampling Dates:

10/21/1998 - 07/30/2003



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 6 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW14

Sampling Dates:
10/07/1998 - 07/30/2003

NOTES:
Well installed 9/98.

FORT MONMOUTH

GW MONITORING
Bldg. M-5
Source 7 of 14

Ag in blank > GW Criteria for 5/8/97.

**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

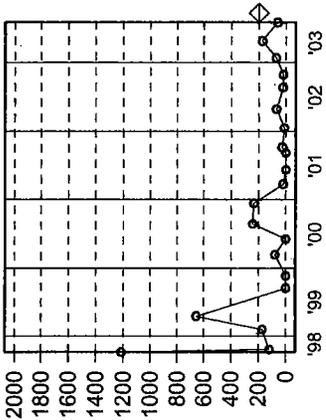
Lab	Iron	Manganese	Aluminum	Lead	Depth to Water	Notes
Units:	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	300	50	200	10	-	-
10/07/1998	ND	ND	1210	ND	3.54	V,S,P,M
10/21/1998	911	15	120	ND	4.24	V,S,P,M
02/02/1999	1910	20.7	172	ND	2.63	V,S,P,M
04/13/1999	14000	191	658	6.77	2.57	V,S,P,M
09/13/1999	571	16.4	ND	ND	4.35	V,S,P,M
11/18/1999	639	17.9	ND	ND	3.92	V,S,P,M
03/06/2000	6660	29.1	79.2	ND	2.75	V,S,P,M
05/31/2000	2480	178	ND	ND	3.55	V,S,P,M
08/21/2000	844	96.3	242	12	2.71	V,S,P,M
12/11/2000	6920	21.5	234	ND	3.48	V,S,P,M
03/19/2001	12400	18.4	20.0	ND	3.66	V,S,P,M
06/05/2001	758	14.3	ND	ND	3.57	V,S,P,M
09/05/2001	987	30.0	ND	ND	3.30	V,S,P,M
10/04/2001	953	14.2	27.2	ND	2.91	V,S,P,M
01/14/2002	6010	165	11.7	ND	3.97	V,S,P,M
04/23/2002	4850	18.5	69.0	ND	3.23	V,S,P,M
08/21/2002	874	21.5	21.2	1.81	3.29	V,S,P,M
10/28/2002	1110	632	18.3	ND	2.29	V,S,P,M
01/22/2003	20100	221	72.5	ND	3.42	V,S,P,M
04/21/2003	21100	35.7	174	ND	3.17	V,S,P,M
07/30/2003	3830	32.7	60.8	ND	3.37	V,S,P,M

SOURCE: 00M5MW14

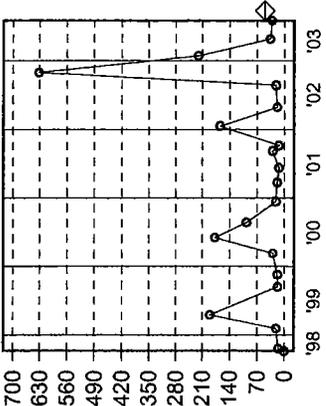
Sampling Dates:

10/07/1998 - 07/30/2003

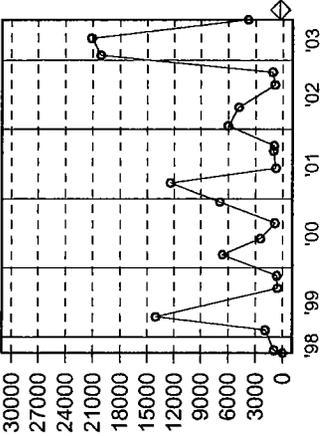
Aluminum
(ug/l)



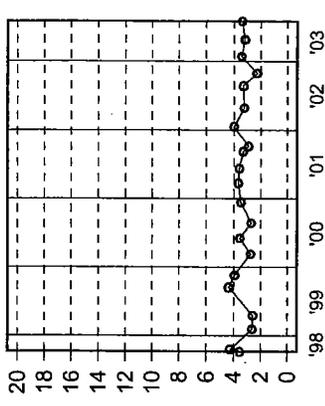
Manganese
(ug/l)



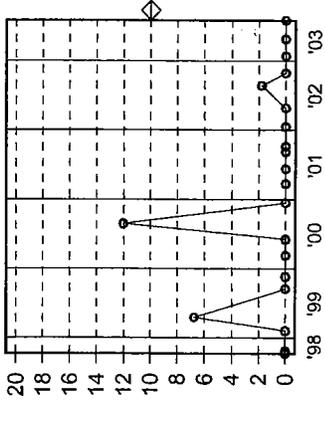
Iron
(ug/l)



Depth to Water
(Feet)



Lead
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP
Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 7 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



SOURCE: 00M5MW15

Sampling Dates: 04/14/1999 - 07/30/2003

NOTES:
Installed 3/99

FORT MONMOUTH

GW MONITORING
Bldg. M-5
Source 8 of 14

Ag in blank > GW Criteria for 5/8/97.

**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

Lab	Iron	Manganese	Aluminum	Lead	Depth to Water	Notes
Units:	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	300	50	200	10	-	-
04/14/1999	FMETL 654	30.2	606	ND	8.59	V,S,P,M
04/28/1999	FMETL 108	20.7	564	ND	9.04	V,S,P,M
09/14/1999	FMETL 1050	15.7	702	ND	11.03	V,S,P,M
11/18/1999	FMETL 316	13.9	357	ND	9.87	V,S,P,M
03/03/2000	FMETL 477	16.8	508	ND	8.68	V,S,P,M
05/31/2000	FMETL 203	18.2	441	ND	8.88	V,S,P,M
08/21/2000	FMETL 510	27.3	933	ND	8.21	V,S,P,M
12/11/2000	FMETL 319	16.7	556	ND	9.48	V,S,P,M
03/19/2001	FMETL 300	23.9	1100	ND	7.88	V,S,P,M
06/05/2001	FMETL 150	31.1	996	ND	7.93	V,S,P,M
09/05/2001	FMETL 788	27.1	1220	1.64	10.35	V,S,P,M
10/04/2001	FMETL 588	21.0	981	3.22	10.24	V,S,P,M
01/14/2002	FMETL 334	157	629	ND	10.51	V,S,P,M
04/23/2002	FMETL 48.2	19.5	676	ND	9.49	V,S,P,M
08/21/2002	FMETL 93.6	14.9	624	ND	10.70	V,S,P,M
10/28/2002	FMETL 797	15.5	511	1.32	7.87	V,S,P,M
01/22/2003	FMETL 276	17.5	708	ND	7.91	V,S,P,M
04/21/2003	FMETL 586	34.7	1790	ND	7.27	V,S,P,M
07/30/2003	FMETL 2480	28.9	1590	ND	8.97	V,S,P,M

SOURCE: 00M5MW16
 Sampling Dates: 04/14/1999 - 07/30/2003
 NOTES:
 Installed 3/99.

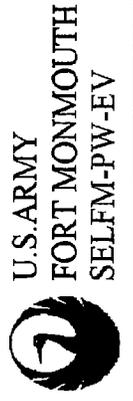
Units:	Lab	cis-1,2-Dichloro ethene	Tri chloro ethene	Tetra chloro ethene	Iron	Manganese	Aluminum	Depth to Water	Notes
NJDEP Criteria:	-	10	1	1	300	50	200	Feet	-
04/14/1999	FMETL	ND	ND	96.37	4770	29.2	1030	6.96	V,S,P,M
04/28/1999	FMETL	ND	ND	8.35	11800	31.9	1240	7.26	V,S,P,M
09/14/1999	FMETL	ND	ND	639.7	11100	32.1	3510	8.66	V,S,P,M
11/18/1999	FMETL	ND	ND	54.42	9840	24.7	242	7.76	V,S,P,M
03/03/2000	FMETL	ND	ND	37.76	37800	119	848	7.00	V,S,P,M
05/31/2000	FMETL	ND	ND	27.79	10000	35.8	78.2	7.06	V,S,P,M
08/21/2000	FMETL	ND	ND	20.36	8060	49.3	293	6.70	V,S,P,M
12/11/2000	FMETL	ND	ND	23.20	11400	33.2	258	7.40	V,S,P,M
03/19/2001	FMETL	ND	ND	17.88	13000	73.0	220	6.37	V,S,P,M
06/05/2001	FMETL	ND	ND	24.47	14500	46.6	ND	7.02	V,S,P,M
09/05/2001	FMETL	ND	ND	205.77	14800	83.4	175	8.14	V,S,P,M
10/04/2001	FMETL	ND	ND	620.81	32100	83.0	1710	8.04	V,S,P,M
01/14/2002	FMETL	1.93	1.93	839.5	9910	197	863	8.04	V,S,P,M
04/23/2002	FMETL	69.44	35.84	213.53	10000	63.5	1010	7.52	V,S,P,M
08/21/2002	FMETL	3.38	ND	416.79	4560	112	1560	8.53	V,S,P,M
10/28/2002	FMETL	103.82	2.23	42.41	32300	85.6	446	6.84	V,S,P,M
01/22/2003	FMETL	22.02	1.36	31.09	14600	45.2	301	6.45	V,S,P,M
04/21/2003	FMETL	16.12	2.16	8.50	16400	84.7	280	6.04	V,S,P,M
07/30/2003	FMETL	20.3	5.61	18.57	44700	136	258	7.05	V,S,P,M

FORT MONMOUTH

GW MONITORING
 Bldg. M-5

Source 9 of 14

Ag in blank > GW Criteria for 5/8/97.

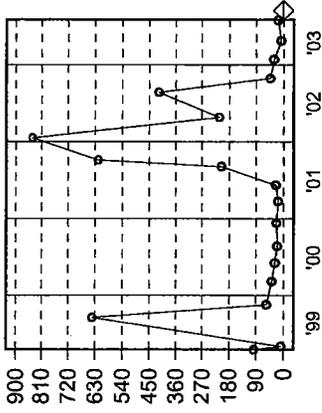


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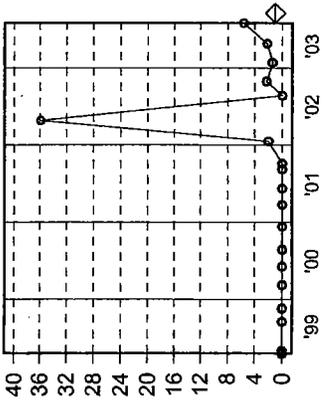
Sampling Dates:

04/14/1999 - 07/30/2003

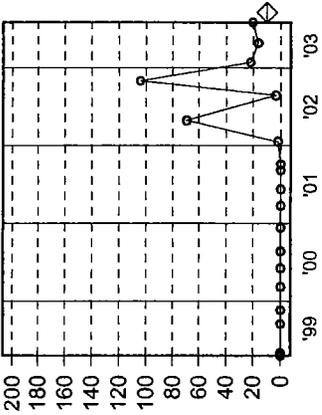
Tetrachlorethene (ug/l)



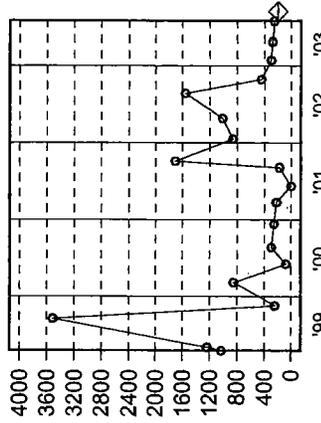
Trichloroethene (ug/l)



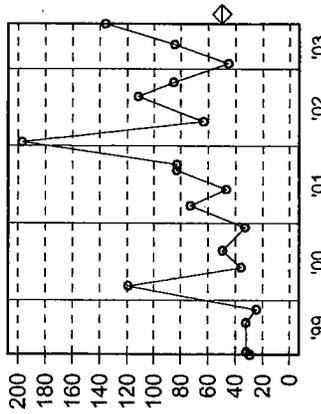
cis-1,2-Dichloroethene (ug/l)



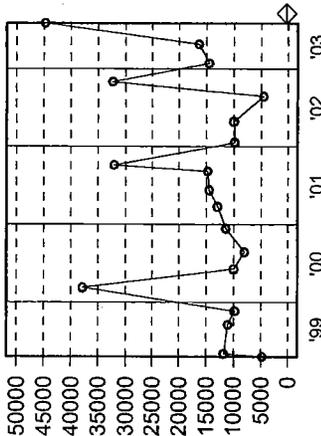
Aluminum (ug/l)



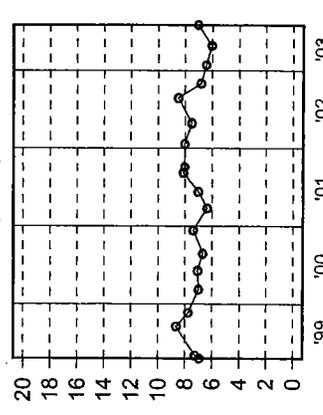
Manganese (ug/l)



Iron (ug/l)

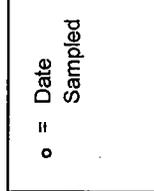


Depth to Water (Feet)



LEGEND:

PARAMETER



NJDEP Criteria

FORT MONMOUTH

GW MONITORING Bldg. M-5

Source 9 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY FORT MONMOUTH SELFM-PW-EV

SOURCE: 00M5MW18

Sampling Dates: 04/13/1999 - 07/30/2003

NOTES:

Lab	Iron	Manganese	Aluminum	Lead	Depth to Water	Notes
Units:	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	300	50	200	10	-	-
04/13/1999	FMETL 6550	40.9	327	11.8	7.16	V,S,P,M
04/27/1999	FMETL 8140	42.1	61.1	ND	7.68	V,S,P,M
09/14/1999	FMETL 9640	65.8	541	ND	8.86	V,S,P,M
11/18/1999	FMETL 10300	34.6	27	ND	8.02	V,S,P,M
03/03/2000	FMETL 19800	48.6	131	ND	7.40	V,S,P,M
05/31/2000	FMETL 16200	50.2	28.0	ND	7.48	V,S,P,M
08/21/2000	FMETL 14900	53.7	325	1.89	7.12	V,S,P,M
12/11/2000	FMETL 357000	88.4	942	ND	7.71	V,S,P,M
03/19/2001	FMETL 26200	59.1	60.0	ND	6.90	V,S,P,M
06/05/2001	FMETL 98600	70.5	63.0	3.08	7.39	V,S,P,M
09/05/2001	FMETL 16500	69.7	38.3	1.14	8.39	V,S,P,M
10/04/2001	FMETL 21000	60.2	111	ND	8.30	V,S,P,M
01/14/2002	FMETL 18400	240	113	ND	8.33	V,S,P,M
04/23/2002	FMETL 82000	66.8	541	1.35	7.75	V,S,P,M
08/21/2002	FMETL 16500	49.0	162	ND	8.68	V,S,P,M
10/28/2002	FMETL 13500	53.7	27.1	ND	6.76	V,S,P,M
01/22/2003	FMETL 62100	65.5	293	4.38	6.99	V,S,P,M
04/21/2003	FMETL 204000	137	800	5.65	6.72	V,S,P,M
07/30/2003	FMETL 27900	58.5	87.4	ND	7.48	V,S,P,M

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 10 of 14

Ag in blank > GW Criteria for 5/8/97.



**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

SOURCE: 00M5MW19
 Sampling Dates: 04/13/1999 - 07/30/2003
 NOTES:

Units:	Lab	cis-1,2-Dichloro ethene	Tri chloro ethene	Tetra chloro ethene	Iron	Manganese	Aluminum	Depth to Water	Notes
NJDEP Criteria:	-	10	1	1	300	50	200	Feet	-
04/13/1999	FMETL	ND	ND	11.53	7900	50.1	1110	6.74	V,S,P,M
04/27/1999	FMETL	ND	ND	3.72	12300	49.1	1710	7.04	V,S,P,M
09/14/1999	FMETL	ND	ND	10.24	9230	33.8	2320	8.48	V,S,P,M
11/18/1999	FMETL	ND	ND	69.22	11700	39	130	7.63	V,S,P,M
03/06/2000	FMETL	ND	ND	5.44	15000	53.9	133	7.01	V,S,P,M
05/31/2000	FMETL	ND	ND	ND	12100	51.6	47.8	7.01	V,S,P,M
08/21/2000	FMETL	ND	ND	4.77	12400	71.7	227	6.66	V,S,P,M
12/11/2000	FMETL	ND	ND	3.80	39600	56.2	271	7.28	V,S,P,M
03/19/2001	FMETL	ND	ND	2.43	17800	78.5	740	6.97	V,S,P,M
06/05/2001	FMETL	ND	ND	6.89	27300	72.3	ND	6.68	V,S,P,M
09/05/2001	FMETL	3.87	1.66	34.94	22100	75.3	ND	8.03	V,S,P,M
10/04/2001	FMETL	1.84	ND	13.62	21700	66.3	ND	7.92	V,S,P,M
01/14/2002	FMETL	16.64	17.44	284.64	30100	229	185	8.04	V,S,P,M
04/23/2002	FMETL	5.93	2.80	18.2	28900	83.1	562	7.39	V,S,P,M
08/21/2002	FMETL	51.33	6.44	34.31	20800	74.3	152	8.33	V,S,P,M
10/28/2002	FMETL	2.28	1.00	5.10	21500	81.3	73.6	6.47	V,S,P,M
01/22/2003	FMETL	ND	ND	1.54	11700	55.0	33.7	6.58	V,S,P,M
04/21/2003	FMETL	ND	ND	1.73	11800	55.2	97.4	6.35	V,S,P,M
07/30/2003	FMETL	ND	ND	1.01	17600	71.5	71.3	7.12	V,S,P,M

FORT MONMOUTH

GW MONITORING
 Bldg. M-5

Source 11 of 14

Ag in blank > GW Criteria for 5/8/97.

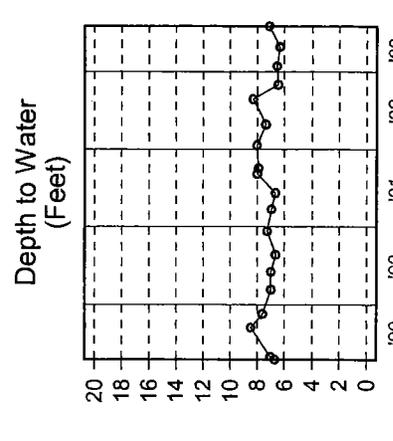
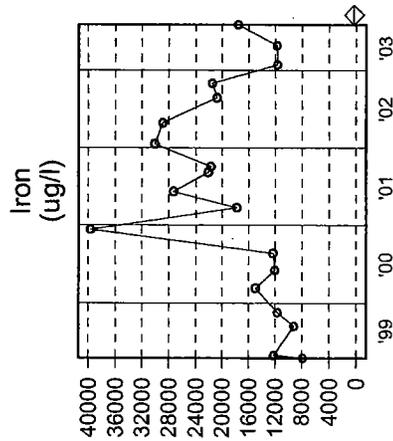
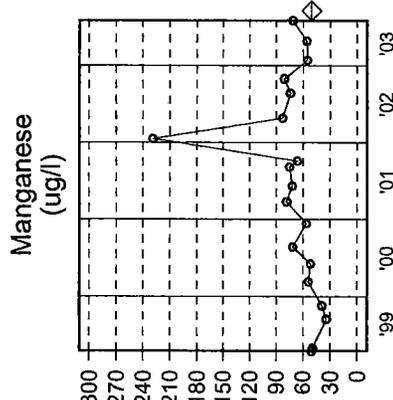
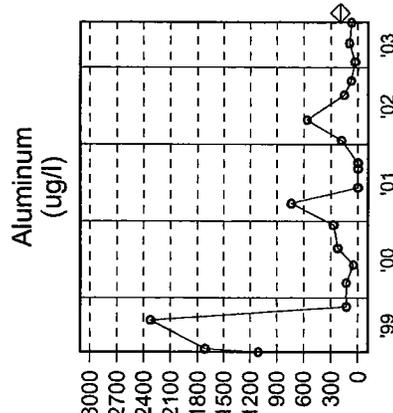
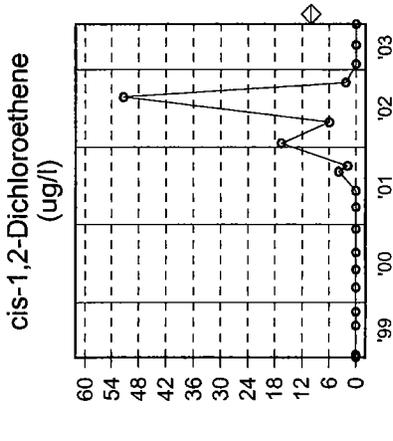
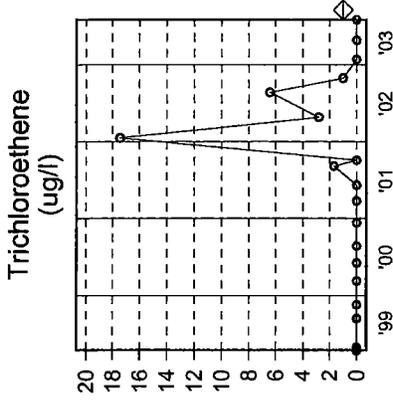
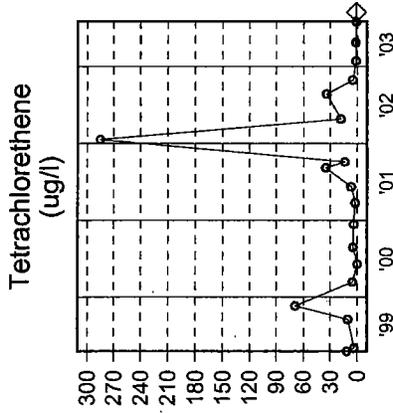


U.S. ARMY
 FORT MONMOUTH
 SELF-M-PW-EV

SOURCE: 00M5MW19

Sampling Dates:

04/13/1999 - 07/30/2003



LEGEND:

PARAMETER

o = Date Sampled

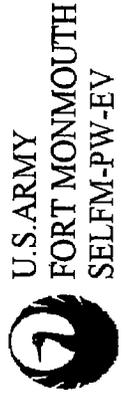
◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 11 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



SOURCE: 00M5MW20
Sampling Dates: 04/13/1999 - 07/30/2003
NOTES:
FORT MONMOUTH
GW MONITORING Bldg. M-5
Source 12 of 14
Ag in blank > GW Criteria for 5/8/97.
 U.S. ARMY FORT MONMOUTH SELF-M-PW-EV

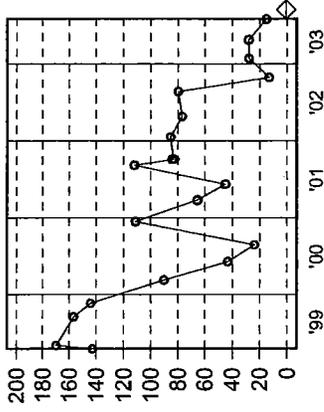
Units:	Lab	cis-1,2-Dichloro ethene	Tri chloro ethene	Tetra chloro ethene	Iron	Manganese	Aluminum	Lead	Depth to Water	Notes
NJDEP Criteria:	-	10	1	1	300	50	200	10	Feet	-
04/13/1999	FMETL	ND	ND	142.59	9380	36.6	3150	9.54	5.72	V,S,P,M
04/27/1999	FMETL	ND	ND	169.54	7520	29.2	2980	2.5	6.08	V,S,P,M
09/13/1999	FMETL	ND	ND	156.58	376	28.0	64.6	ND	7.42	V,S,P,M
11/18/1999	FMETL	ND	ND	143.93	676	21.1	143	ND	6.61	V,S,P,M
03/03/2000	FMETL	ND	ND	90.03	1640	17.8	500	ND	6.05	V,S,P,M
05/31/2000	FMETL	ND	ND	43.44	914	13.2	248	ND	8.13	V,S,P,M
08/21/2000	FMETL	ND	ND	23.85	4060	14.9	1910	1.66	5.78	V,S,P,M
12/11/2000	FMETL	ND	ND	110.95	502	11.9	96.6	ND	6.33	V,S,P,M
03/19/2001	FMETL	ND	ND	65.73	900	40.3	280	ND	5.68	V,S,P,M
03/19/2001D	FMETL	ND	ND	65.5	870	27.7	300	ND	5.68	V,S,P,M
06/05/2001	FMETL	ND	ND	45.30	495	15.4	ND	ND	7.98	V,S,P,M
09/05/2001	FMETL	1.22	1.18	111.58	1320	26.9	204	ND	7.04	V,S,P,M
10/04/2001	FMETL	3.38	3.56	83.81	1640	23.9	198	ND	6.77	V,S,P,M
10/04/2001D	FMETL	3.41	3.66	82.54	1450	24.2	252	1.65	6.77	V,S,P,M
01/14/2002	FMETL	3.09	4.27	85.31	2020	159	452	ND	6.74	V,S,P,M
04/23/2002	FMETL	ND	ND	76.89	1510	27.3	216	1.29	6.36	V,S,P,M
08/21/2002	FMETL	ND	ND	79.41	5320	34.5	1580	ND	7.24	V,S,P,M
10/28/2002	FMETL	ND	ND	12.99	11500	19.6	6000	4.41	5.45	V,S,P,M
01/22/2003	FMETL	ND	ND	27.87	292	9.34	109	ND	5.73	V,S,P,M
04/21/2003	FMETL	ND	ND	27.99	1370	32.9	431	ND	5.47	V,S,P,M
07/30/2003	FMETL	1.10	ND	15.26	4650	22.8	844	ND	6.15	V,S,P,M

SOURCE: 00M5MW20

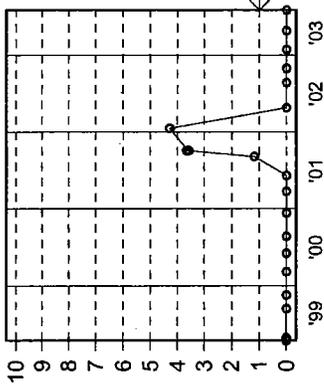
Sampling Dates:

04/13/1999 - 07/30/2003

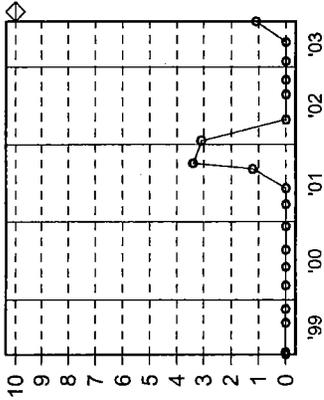
Tetrachlorethene (ug/l)



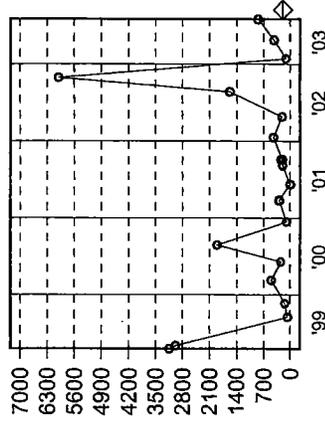
Trichloroethene (ug/l)



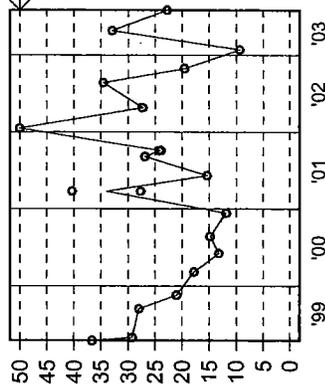
cis-1,2-Dichloroethene (ug/l)



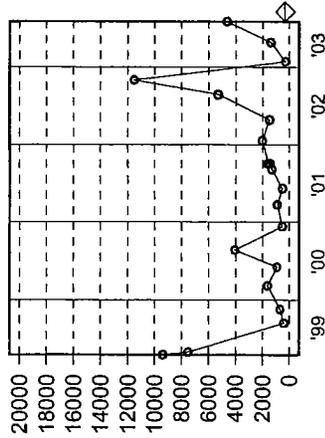
Aluminum (ug/l)



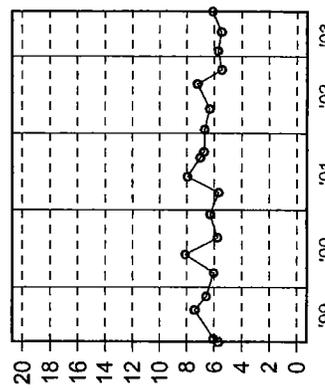
Manganese (ug/l)



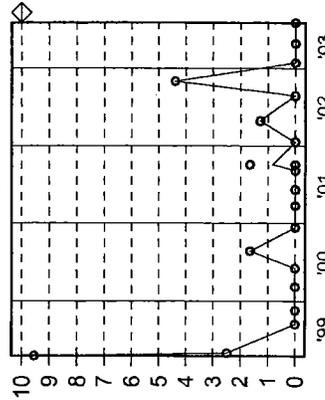
Iron (ug/l)



Depth to Water (Feet)



Lead (ug/l)



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 12 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW23

Sampling Dates:
04/14/1999 - 07/30/2003

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 13 of 14

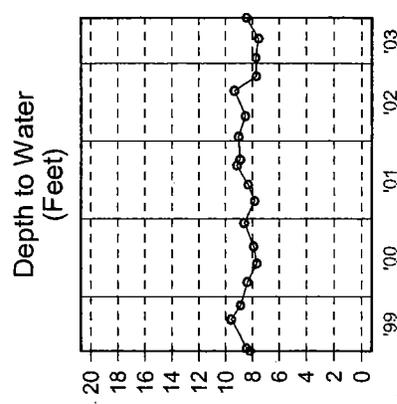
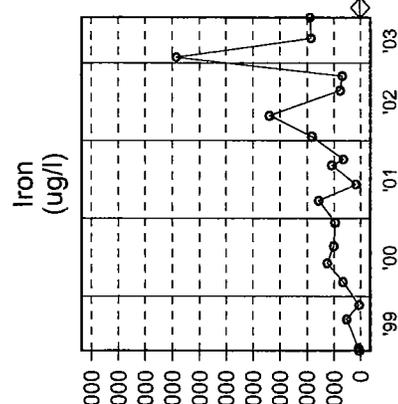
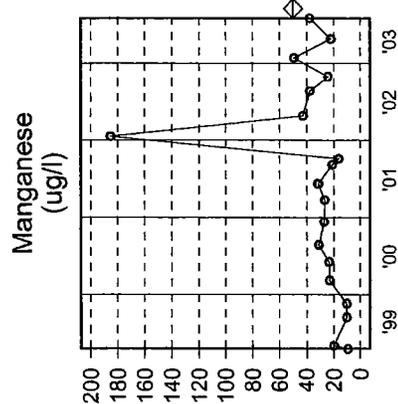
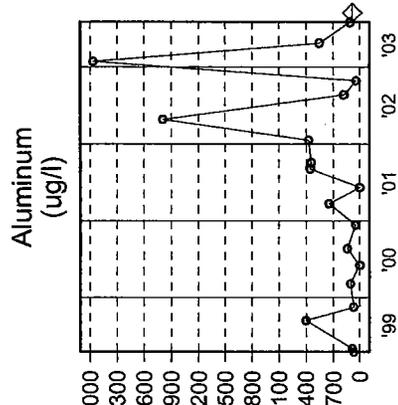
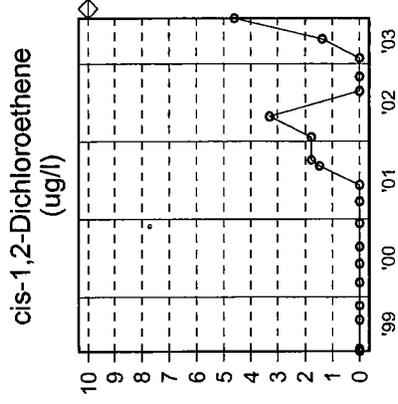
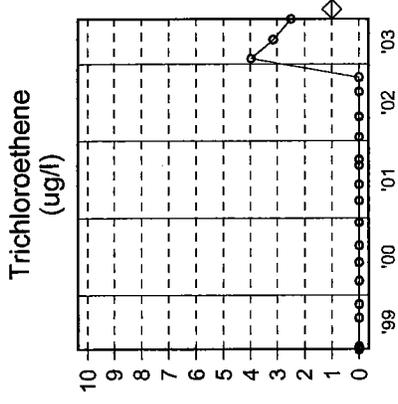
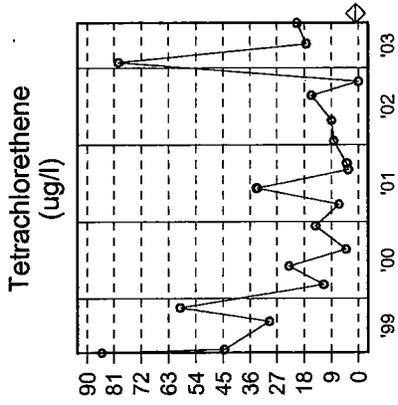
Ag in blank > GW Criteria for 5/8/97.

**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

Units:	Lab	cis-1,2-Dichloro ethene	Tri chloro ethene	Tetra chloro ethene	Iron	Manganese	Aluminum	Depth to Water	Notes
NJDEP Criteria:		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	
	-	10	1	1	300	50	200	-	-
04/14/1999	FMETL	ND	ND	84.93	848	9.64	148	8.19	V,S,P,M
04/28/1999	FMETL	ND	ND	44.43	1590	19.8	195	8.46	V,S,P,M
09/13/1999	FMETL	ND	ND	29.53	10700	10.4	1410	9.56	V,S,P,M
11/18/1999	FMETL	ND	ND	59.02	1290	10.4	157	8.88	V,S,P,M
03/03/2000	FMETL	ND	ND	11.53	13600	23.1	248	8.38	V,S,P,M
05/31/2000	FMETL	ND	ND	23.13	25100	23.6	ND	7.70	V,S,P,M
08/21/2000	FMETL	ND	ND	4.22	20300	30.9	332	7.93	V,S,P,M
12/11/2000	FMETL	ND	ND	14.27	19200	27.1	108	8.61	V,S,P,M
03/19/2001	FMETL	ND	ND	6.39	31400	26.6	810	7.85	V,S,P,M
06/05/2001	FMETL	ND	ND	33.84	3280	31.1	ND	8.33	V,S,P,M
06/05/2001D	FMETL	ND	ND	33.54	3650	31.6	ND	8.33	V,S,P,M
09/05/2001	FMETL	1.48	ND	3.41	21600	21.1	1300	9.15	V,S,P,M
10/04/2001	FMETL	1.77	ND	3.85	13000	16.5	1270	8.90	V,S,P,M
01/14/2002	FMETL	1.77	ND	8.26	36400	185	1340	9.03	V,S,P,M
04/23/2002	FMETL	3.31	ND	8.97	67900	42.8	5120	8.53	V,S,P,M
06/21/2002	FMETL	ND	ND	15.68	15400	37.6	426	9.33	V,S,P,M
10/28/2002	FMETL	ND	ND	ND	14000	24.3	100	7.72	V,S,P,M
01/22/2003	FMETL	ND	3.97	79.46	137000	49.2	6920	7.75	V,S,P,M
04/21/2003	FMETL	1.37	3.15	17.35	37000	22.2	1060	7.54	V,S,P,M
07/30/2003	FMETL	4.60	2.51	20.45	37800	37.7	255	8.44	V,S,P,M

SOURCE: 00M5MW23

Sampling Dates:
04/14/1999 - 07/30/2003



LEGEND:

PARAMETER

- o = Date Sampled
- ◇ = NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 13 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 00M5MW25

Sampling Dates:
04/14/1999 - 07/30/2003

NOTES:

Units:	Lab	Iron	Manganese	Aluminum	Lead	Depth to Water	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	Feet	-
		300	50	200	10	-	-
04/14/1999	FMETL	18000	41.9	5640	4.75	11.32	V,S,P,M
04/28/1999	FMETL	12300	48.3	4630	6.35	11.59	V,S,P,M
09/14/1999	FMETL	8930	43.9	151	ND	13.21	V,S,P,M
11/18/1999	FMETL	15400	35.1	3560	ND	12.26	V,S,P,M
03/03/2000	FMETL	783	25.3	220	ND	11.39	V,S,P,M
05/31/2000	FMETL	191	13.8	ND	ND	11.61	V,S,P,M
05/31/2000D	FMETL	712	15.3	98.7	ND	11.61	V,S,P,M
08/21/2000	FMETL	453	46.7	250	1.91	11.05	V,S,P,M
12/11/2000	FMETL	877	18.7	209	ND	12.00	V,S,P,M
03/19/2001	FMETL	10900	43.1	140	ND	10.98	V,S,P,M
06/05/2001	FMETL	295	27.7	ND	ND	11.84	V,S,P,M
09/05/2001	FMETL	21600	21.1	1300	2.41	12.72	V,S,P,M
09/05/2001D	FMETL	476	63.9	ND	ND	12.72	V,S,P,M
10/04/2001	FMETL	26500	56.4	6880	6.17	11.77	V,S,P,M
01/14/2002	FMETL	1570	182	388	11.0	12.97	V,S,P,M
04/23/2002	FMETL	101	27.8	70.2	1.59	11.90	V,S,P,M
08/21/2002	FMETL	836	40.6	262	ND	12.86	V,S,P,M
10/28/2002	FMETL	6510	101	129	ND	10.93	V,S,P,M
01/22/2003	FMETL	12400	41.7	185	ND	10.75	V,S,P,M
04/21/2003	FMETL	2500	24.1	194	ND	10.60	V,S,P,M
07/30/2003	FMETL	2160	46.7	275	ND	11.73	V,S,P,M

FORT MONMOUTH

GW MONITORING
Bldg. M-5

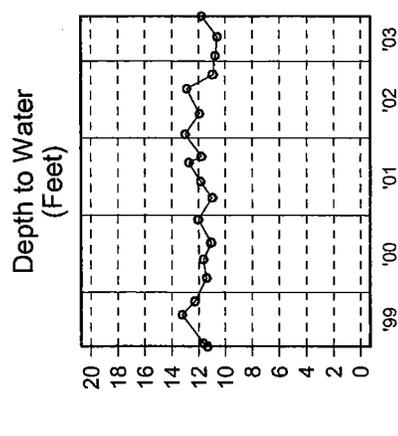
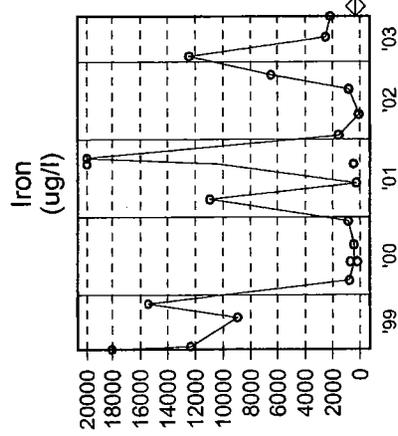
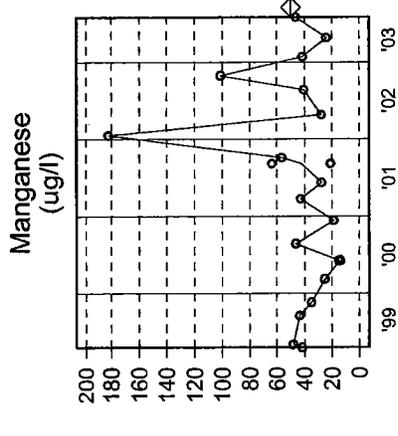
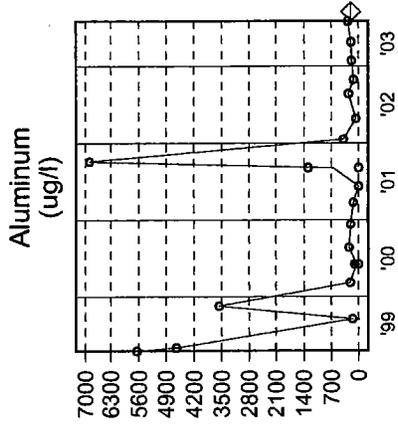
Source 14 of 14

Ag in blank > GW Criteria for 5/8/97.



SOURCE: 00M5MW25

Sampling Dates:
04/14/1999 - 07/30/2003



LEGEND:

PARAMETER

- o = Date Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-5

Source 14 of 14, Graph

Ag in blank > GW Criteria for 5/8/97.



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Appendix D

Surface Water Laboratory Analytical Data, 4th Quarter 2002 through 3rd Quarter 2003

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732) 532-6224 FAX: (732) 532-6263

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

CERTIFICATIONS: NJDEP #13461, NYSDOH #11699



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 4th QTR Streams

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site #22	2078004	Aqueous	04-Nov-02 08:25	11/04/02
Stream Site #21	2078005	Aqueous	04-Nov-02 08:34	11/04/02
Stream Site #20	2078006	Aqueous	04-Nov-02 08:39	11/04/02
Stream Site #09	2078007	Aqueous	04-Nov-02 08:47	11/04/02
Stream Site #19	2078008	Aqueous	04-Nov-02 08:59	11/04/02
Stream Site #27	2078009	Aqueous	04-Nov-02 09:07	11/04/02
Stream Site #07	2078010	Aqueous	04-Nov-02 09:13	11/04/02
Stream Site #28	2078011	Aqueous	04-Nov-02 09:21	11/04/02
Stream Site #04	2078012	Aqueous	04-Nov-02 09:29	11/04/02
Stream Site #25	2078013	Aqueous	04-Nov-02 09:47	11/04/02
Stream Site #05	2078014	Aqueous	04-Nov-02 09:35	11/04/02
Stream Site #17	2078015	Aqueous	04-Nov-02 09:55	11/04/02
Stream Site #26	2078016	Aqueous	04-Nov-02 10:01	11/04/02
Stream Site #12	2078704	Aqueous	05-Nov-02 09:15	11/05/02
Stream Site #18	2078705	Aqueous	05-Nov-02 09:27	11/05/02
Stream Site #11	2078706	Aqueous	05-Nov-02 09:35	11/05/02
Stream Site #15	2078707	Aqueous	05-Nov-02 09:47	11/05/02
Stream Site #23	2078708	Aqueous	05-Nov-02 09:53	11/05/02
Stream Site #24	2078709	Aqueous	05-Nov-02 10:07	11/05/02
Stream Site #16	2078710	Aqueous	05-Nov-02 10:15	11/05/02
Stream Site #03	2078711	Aqueous	05-Nov-02 10:22	11/05/02
Stream Site #14	2078712	Aqueous	05-Nov-02 10:29	11/05/02
Stream Site #13	2078713	Aqueous	05-Nov-02 10:38	11/05/02

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, PCB's, WET CHEMISTRY


Daniel Wright/Date
Laboratory Director

2.21.03

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST METALS	Standard Methods, 18th ed.
Aluminum	3120B
Antimony	3120B
Arsenic	3120B
Barium	3120B
Beryllium	3120B
Cadmium	3120B
Calcium	3120B
Chromium	3120B
Cobalt	3120B
Copper	3120B
Iron	3120B
Lead	3120B
Magnesium	3120B
Manganese	3120B
Mercury	3112B
Nickel	3120B
Potassium	3120B
Selenium	3120B
Silver	3120B
Sodium	3120B
Thallium	3120B
Vanadium	3120B
Zinc	3120B

PARAMETER	REFERENCE
TARGET COMPOUND LIST ORGANICS	Federal Register 40 CFR Part 136 Appendix A
Base/Neutral and Acid Extractables by GC/MS	625
Purgeable Organics by GC/MS	624
Pesticide and PCB by GC	608

**CHAIN
OF
CUSTODY**



Fort Monmouth Environmental Testing Laboratory

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

Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon		Project No:		Analysis Parameters		Comments:					
Phone #: 820223	() DERA () OMA () Other:	Location: Streams	4th Qtr '02	NH ₃ /NO ₃	Poly/50 μ		T.Coli	PCB	H (5 μ)	Temp (C)	Dissolved O ₂
Samplers Name / Company: <u>Fort Monmouth, TUS</u>		Date	Time	Sample #	Type	bottles	Remarks / Preservation Method				
LIMS/Work Order #	Sample Location										
20780 01	Trip	11/4/02	0727	AQ	2		HCL/H ₂ SO ₄ /LPC				
02	Field Blank		0815		5		Salinity				
03	Dupe				6		d ²⁰ / ₂₀ %0				
04	Stream site # 22 *		0825		6		7.83	19.7	8.34	1.009	16.0
05	# 21		0834				7.87	19.4	8.27	1.007	13.0
06	# 20		0839				7.92	19.6	8.24	1.007	13.0
07	# 09		0847				7.95	18.4	7.74	1.004	2.0
08	# 19		0859				7.77	18.4	7.77	1.000	0.0
09	# 27		0907				2.71	19.2	7.81	1.001	2.0
10	# 07		0913				7.76	19.1	7.76	1.001	2.0
11	# 28		0911				7.91	18.7	7.81	1.001	2.0
12	# 01		0929				7.89	18.9	7.77	1.001	2.0
13	# 25		0947				7.91	19.3	7.61	1.000	0.0
14	# 05		0935				7.93	18.7	7.99	1.000	1.0
Relinquished by (signature): <u>Ray M. [Signature]</u>		Date/Time: 11/4/02 10:45	Received by (signature): <u>[Signature]</u>		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, () EDD		Turnaround time: () Standard 3 wks, () Rush Days, () ASAP Verbal Hrs.		Remarks: Tide: H \rightarrow Ongoing							

Fort Monmouth Environmental Testing Laboratory

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

Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: <u>J. Fallon</u>		Project No:		Analysis Parameters		Comments:	
Phone #: <u>201-223-2233</u>		Location: <u>Streams</u>		pH (5)		HCL/H ₂ SO ₄ /Cl ⁻	
Sampler Name / Company: <u>Cory McCormick, TWS</u>		Date: <u>11/5/02</u>		PCB		Remarks / Preservation Method	
LIMS/Work Order #		Sample Location		T. Col.			
00787 01		Trip		Pa/50			
02		Field Blank		NH ₃ /NO ₃			
03		Dupe		NO ₂ /NO ₃			
04		Stream Site #12		✓			
05		#14		✓			
06		#11		✓			
07		#15		✓			
08		#23		✓			
09		#24		✓			
10		#16		✓			
11		#03		✓			
12		#14		✓			
13		#13		✓			
Relinquished by (signature): <u>Cory McCormick</u>		Date/Time: <u>11/5/02 1050</u>		Relinquished by (signature):		Date/Time:	
Relinquished by (signature):		Date/Time:		Relinquished by (signature):		Date/Time:	
Report Type: () Full, () Reduced, (X) Standard, () Screen / non-certified, () EDD		Turnaround time: () Standard 3 wks, () Rush _____ Days, () ASAP Verbal _____ Hrs.		Remarks: <u>Tide: H → outgoing</u>			

VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

- MDL : Method Detection Limit
- J : Compound identified below detection limit
- B : Compound found in blank
- D : Results are from a dilution of the sample
- U : Compound searched for but not detected
- E : Compound exceeds calibration limit
- PQL : Practical Quantitation Limit
- NLE : No limit established
- RT : Retention time

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

Data File **VC008842.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **MB 15Nov02**
 Field ID **MB 15Nov02**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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

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

Data File **VC008842.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **MB 15Nov02**
 Field ID **MB 15Nov02**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	
107131	Acrylonitrile			not detected	0.0591	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.4	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	4.81	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	3030	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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:

MB 15Nov02

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 20787 Location: 4thQtr SDG No.: Streams
Matrix: (soil/water) WATER Lab Sample ID: MB 15Nov02
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008842.D
Level: (low/med) LOW Date Received: 11/5/02
% Moisture: not dec. _____ Date Analyzed: 11/15/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008843.D**
 Operator **Skelton**
 Date Aquired **15-Nov-02**

Sample Name **2078001**
 Field ID **Trip Blank**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform	16.88	52362	1.25 ug/L	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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

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

Data File **VC008843.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078001**
 Field ID **Trip Blank**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	
107131	Acrylonitrile			not detected	0.0591	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.4	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	4.81	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform	16.88	52362	1.25 ug/L	5.67	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	3030	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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 NJDEP#: 13461
Project: Streams Case No.: 20780 Location: 4thQtr SDG No.: Streams
Matrix: (soil/water) WATER Lab Sample ID: 2078001
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008843.D
Level: (low/med) LOW Date Received: 11/4/02
% Moisture: not dec. _____ Date Analyzed: 11/15/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008861.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078701**
 Field ID **Trip Blank**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform	16.88	57436	1.63 ug/L	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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

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

Data File **VC008861.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078701**
 Field ID **Trip Blank**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	
107131	Acrylonitrile			not detected	0.0591	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.4	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	4.81	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform	16.88	57436	1.63 ug/L	5.67	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	3030	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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 NJDEP#: 13461
Project: Streams Case No.: 20787 Location: 4thQtr SDG No.: Streams
Matrix: (soil/water) WATER Lab Sample ID: 2078701
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008861.D
Level: (low/med) LOW Date Received: 11/5/02
% Moisture: not dec. _____ Date Analyzed: 11/15/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008844.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078002**
 Field ID **Field Blank**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform	16.88	51381	1.30 ug/L	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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

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

Data File **VC008844.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078002**
 Field ID **Field Blank**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	
107131	Acrylonitrile			not detected	0.0591	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.4	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	4.81	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform	16.88	51381	1.30 ug/L	5.67	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	3030	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Field Blank

Lab Name: FMETL NJDEP#: 13461
 Project: Streams Case No.: 20780 Location: 4thQtr SDG No.: Streams
 Matrix: (soil/water) WATER Lab Sample ID: 2078002
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008844.D
 Level: (low/med) LOW Date Received: 11/4/02
 % Moisture: not dec. _____ Date Analyzed: 11/15/02
 GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008862.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078702**
 Field ID **Field Blank**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform	16.88	55219	1.58 ug/L	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	20000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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

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

Data File **VC008862.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078702**
 Field ID **Field Blank**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	
107131	Acrylonitrile			not detected	0.0591	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.4	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	4.81	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform	16.88	55219	1.58 ug/L	5.67	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	3030	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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 NJDEP#: 13461
Project: Streams Case No.: 20787 Location: 4thQtr SDG No.: Streams
Matrix: (soil/water) WATER Lab Sample ID: 2078702
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008862.D
Level: (low/med) LOW Date Received: 11/5/02
% Moisture: not dec. _____ Date Analyzed: 11/15/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008845.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078003**
 Field ID **Dupe**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	20000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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

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

Data File **VC008845.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078003**
 Field ID **Dupe**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	
107131	Acrylonitrile			not detected	0.0591	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.4	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	4.81	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	3030	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Dupe

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 20780 Location: 4thQtr SDG No.: Streams

Matrix: (soil/water) WATER Lab Sample ID: 2078003

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008845.D

Level: (low/med) LOW Date Received: 11/4/02

% Moisture: not dec. _____ Date Analyzed: 11/15/02

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008863.D**
 Operator **Skelton**
 Date Acquired **16-Nov-02**

Sample Name **2078703**
 Field ID **Dupe**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.87	129214	4.96 ug/L	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,1,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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

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

Data File **VC008863.D**
 Operator **Skelton**
 Date Acquired **16-Nov-02**

Sample Name **2078703**
 Field ID **Dupe**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	
107131	Acrylonitrile			not detected	0.0591	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.4	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	4.81	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.87	129214	4.96 ug/L	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	3030	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Dupe

Lab Name: FMETL NJDEP#: 13461
 Project: Streams Case No.: 20787 Location: 4thQtr SDG No.: Streams
 Matrix: (soil/water) WATER Lab Sample ID: 2078703
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008863.D
 Level: (low/med) LOW Date Received: 11/5/02
 % Moisture: not dec. _____ Date Analyzed: 11/16/02
 GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008871.D**
 Operator **Skelton**
 Date Acquired **16-Nov-02**

Sample Name **2078711**
 Field ID **StreamSite#03**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	
107131	Acrylonitrile			not detected	0.0591	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.4	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	4.81	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	3030	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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:

SS03

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 20787 Location: 4thQtr SDG No.: Streams

Matrix: (soil/water) WATER Lab Sample ID: 2078711

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008871.D

Level: (low/med) LOW Date Received: 11/5/02

% Moisture: not dec. _____ Date Analyzed: 11/16/02

GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008856.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078012**
 Field ID **StreamSite#04**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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:

SS04

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 20780 Location: 4thQtr SDG No.: Streams
Matrix: (soil/water) WATER Lab Sample ID: 2078012
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008856.D
Level: (low/med) LOW Date Received: 11/4/02
% Moisture: not dec. _____ Date Analyzed: 11/15/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008858.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078014**
 Field ID **StreamSite#05**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,1,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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:

SS05

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 20780 Location: 4thQtr SDG No.: Streams
Matrix: (soil/water) WATER Lab Sample ID: 2078014
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008858.D
Level: (low/med) LOW Date Received: 11/4/02
% Moisture: not dec. _____ Date Analyzed: 11/15/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008854.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078010**
 Field ID **StreamSite#07**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7-9-6 2-Sept 97

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:

SS07

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 20780 Location: 4thQtr SDG No.: Streams

Matrix: (soil/water) WATER Lab Sample ID: 2078010

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008854.D

Level: (low/med) LOW Date Received: 11/4/02

% Moisture: not dec. _____ Date Analyzed: 11/15/02

GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008851.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078007**
 Field ID **StreamSite#09**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.86	32758	1.24 ug/L	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS09

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 20780 Location: 4thQtr SDG No.: Streams

Matrix: (soil/water) WATER Lab Sample ID: 2078007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008851.D

Level: (low/med) LOW Date Received: 11/4/02

% Moisture: not dec. _____ Date Analyzed: 11/15/02

GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008866.D**
 Operator **Skelton**
 Date Acquired **16-Nov-02**

Sample Name **2078706**
 Field ID **StreamSite#11**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	
107131	Acrylonitrile			not detected	0.0591	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	
75-01-4	Vinyl Chloride	5.13	52517	1.33 ug/L	0.083	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.4	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	4.81	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.87	192882	7.48 ug/L	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	3030	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS11

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 20787 Location: 4thQtr SDG No.: Streams

Matrix: (soil/water) WATER Lab Sample ID: 2078706

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008866.D

Level: (low/med) LOW Date Received: 11/5/02

% Moisture: not dec. _____ Date Analyzed: 11/16/02

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008864.D**
 Operator **Skelton**
 Date Acquired **16-Nov-02**

Sample Name **2078704**
 Field ID **StreamSite#12**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	
107131	Acrylonitrile			not detected	0.0591	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.4	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	4.81	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.87	129693	5.16 ug/L	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	3030	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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:

SS12

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 20787 Location: 4thQtr SDG No.: Streams
Matrix: (soil/water) WATER Lab Sample ID: 2078704
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008864.D
Level: (low/med) LOW Date Received: 11/5/02
% Moisture: not dec. _____ Date Analyzed: 11/16/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008873.D**
 Operator **Skelton**
 Date Acquired **16-Nov-02**

Sample Name **2078713**
 Field ID **StreamSite#13**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	
107131	Acrylonitrile			not detected	0.0591	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.4	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	4.81	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	
127-18-4	Tetrachloroethene	24.70	22215	1.46 ug/L	0.388	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	3030	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7-9-6 2-Sept 97

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:

SS13

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 20787 Location: 4thQtr SDG No.: Streams
Matrix: (soil/water) WATER Lab Sample ID: 2078713
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008873.D
Level: (low/med) LOW Date Received: 11/5/02
% Moisture: not dec. _____ Date Analyzed: 11/16/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008872.D**
 Operator **Skelton**
 Date Acquired **16-Nov-02**

Sample Name **2078712**
 Field ID **StreamSite#14**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	
107131	Acrylonitrile			not detected	0.0591	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.4	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	4.81	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	3030	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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:

SS14

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 20787 Location: 4thQtr SDG No.: Streams
Matrix: (soil/water) WATER Lab Sample ID: 2078712
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008872.D
Level: (low/med) LOW Date Received: 11/5/02
% Moisture: not dec. _____ Date Analyzed: 11/16/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008867.D**
 Operator **Skelton**
 Date Acquired **16-Nov-02**

Sample Name **2078707**
 Field ID **StreamSite#15**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	
107131	Acrylonitrile			not detected	0.0591	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.4	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	4.81	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	
127-18-4	Tetrachloroethene	24.71	23061	1.52 ug/L	0.388	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	3030	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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:

SS15

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 20787 Location: 4thQtr SDG No.: Streams
Matrix: (soil/water) WATER Lab Sample ID: 2078707
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008867.D
Level: (low/med) LOW Date Received: 11/5/02
% Moisture: not dec. _____ Date Analyzed: 11/16/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008870.D**
 Operator **Skelton**
 Date Acquired **16-Nov-02**

Sample Name **2078710**
 Field ID **StreamSite#16**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	20000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene	24.70	22645	1.49 ug/L	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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:

SS16

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 20787 Location: 4thQtr SDG No.: Streams
Matrix: (soil/water) WATER Lab Sample ID: 2078710
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008870.D
Level: (low/med) LOW Date Received: 11/5/02
% Moisture: not dec. _____ Date Analyzed: 11/16/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008859.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078015**
 Field ID **StreamSite#17**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	20000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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:

SS17

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 20780 Location: 4thQtr SDG No.: Streams
Matrix: (soil/water) WATER Lab Sample ID: 2078015
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008859.D
Level: (low/med) LOW Date Received: 11/4/02
% Moisture: not dec. _____ Date Analyzed: 11/15/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008865.D**
 Operator **Skelton**
 Date Acquired **16-Nov-02**

Sample Name **2078705**
 Field ID **StreamSite#18**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	
107131	Acrylonitrile			not detected	0.0591	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.4	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	4.81	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.87	132012	5.14 ug/L	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	3030	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7-9-6 2-Sept 97

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:

SS18

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 20787 Location: 4thQtr SDG No.: Streams
Matrix: (soil/water) WATER Lab Sample ID: 2078705
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008865.D
Level: (low/med) LOW Date Received: 11/5/02
% Moisture: not dec. _____ Date Analyzed: 11/16/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008852.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078008**
 Field ID **StreamSite#19**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.86	71334	2.69 ug/L	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS19

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 20780 Location: 4thQtr SDG No.: Streams

Matrix: (soil/water) WATER Lab Sample ID: 2078008

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008852.D

Level: (low/med) LOW Date Received: 11/4/02

% Moisture: not dec. _____ Date Analyzed: 11/15/02

GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File VC008850.D
 Operator Skelton
 Date Acquired 15-Nov-02

Sample Name 2078006
 Field ID StreamSite#20
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS20

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 20780 Location: 4thQtr SDG No.: Streams

Matrix: (soil/water) WATER Lab Sample ID: 2078006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008850.D

Level: (low/med) LOW Date Received: 11/4/02

% Moisture: not dec. _____ Date Analyzed: 11/15/02

GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008849.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078005**
 Field ID **StreamSite#21**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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:

SS21

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 20780 Location: 4thQtr SDG No.: Streams
Matrix: (soil/water) WATER Lab Sample ID: 2078005
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008849.D
Level: (low/med) LOW Date Received: 11/4/02
% Moisture: not dec. _____ Date Analyzed: 11/15/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008846.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078004**
 Field ID **StreamSite#22**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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:

SS22

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 20780 Location: 4thQtr SDG No.: Streams
Matrix: (soil/water) WATER Lab Sample ID: 2078004
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008846.D
Level: (low/med) LOW Date Received: 11/4/02
% Moisture: not dec. _____ Date Analyzed: 11/15/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008868.D**
 Operator **Skelton**
 Date Acquired **16-Nov-02**

Sample Name **2078708**
 Field ID **StreamSite#23**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	20000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene	24.71	22365	1.44 ug/L	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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:

SS23

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 20787 Location: 4thQtr SDG No.: Streams
Matrix: (soil/water) WATER Lab Sample ID: 2078708
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008868.D
Level: (low/med) LOW Date Received: 11/5/02
% Moisture: not dec. _____ Date Analyzed: 11/16/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008869.D**
 Operator **Skelton**
 Date Acquired **16-Nov-02**

Sample Name **2078709**
 Field ID **StreamSite#24**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene	24.70	24907	1.64 ug/L	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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:

SS24

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 20787 Location: 4thQtr SDG No.: Streams

Matrix: (soil/water) WATER Lab Sample ID: 2078709

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008869.D

Level: (low/med) LOW Date Received: 11/5/02

% Moisture: not dec. _____ Date Analyzed: 11/16/02

GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008857.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078013**
 Field ID **StreamSite#25**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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:

SS25

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 20780 Location: 4thQtr SDG No.: Streams
Matrix: (soil/water) WATER Lab Sample ID: 2078013
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008857.D
Level: (low/med) LOW Date Received: 11/4/02
% Moisture: not dec. _____ Date Analyzed: 11/15/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008860.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078016**
 Field ID **StreamSite#26**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	20000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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:

SS26

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 20780 Location: 4thQtr SDG No.: Streams

Matrix: (soil/water) WATER Lab Sample ID: 2078016

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008860.D

Level: (low/med) LOW Date Received: 11/4/02

% Moisture: not dec. _____ Date Analyzed: 11/15/02

GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008853.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078009**
 Field ID **StreamSite#27**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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:

SS27

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 20780 Location: 4thQtr SDG No.: Streams
Matrix: (soil/water) WATER Lab Sample ID: 2078009
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008853.D
Level: (low/med) LOW Date Received: 11/4/02
% Moisture: not dec. _____ Date Analyzed: 11/15/02
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File **VC008855.D**
 Operator **Skelton**
 Date Acquired **15-Nov-02**

Sample Name **2078011**
 Field ID **StreamSite#28**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	
107131	Acrylonitrile			not detected	0.665	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	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	
74-83-9	Bromomethane			not detected	4000	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	nle	0.24 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			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	nle	0.59 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	27900	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	nle	0.56 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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:

SS28

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 20780 Location: 4thQtr SDG No.: Streams
Matrix: (soil/water) WATER Lab Sample ID: 2078011
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008855.D
Level: (low/med) LOW Date Received: 11/4/02
% Moisture: not dec. _____ Date Analyzed: 11/15/02
GC Column: ZB-624 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
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PCB's

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 4th Qtr. '02
 Client ID: Field Blank
 Lab ID: 2078002s
 Filename:
 Lab Project No: 20780

MATRIX: Aqueous
 Date Extracted: 11/7/02
 Ext. Batch:
 Date Analyzed: 11/15/02
 DILUTION: 1
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000
 Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 4th Qtr. '02
 Client ID: Field Blank
 Lab ID: 2078702s
 Filename:
 Lab Project No: 20787

MATRIX: Aqueous
 Date Extracted: 11/7/02
 Ext. Batch:
 Date Analyzed: 11/16/02
 DILUTION: 1
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000
 Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 4th Qtr. '02
 Client ID: Dupe
 Lab ID: 2078003s
 Filename:
 Lab Project No: 20780

MATRIX: Aqueous
 Date Extracted: 11/7/02
 Ext. Batch:
 Date Analyzed: 11/15/02
 DILUTION: 1
 Analyst: A.A.

CAS#	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000
 Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: Streams 4th Qtr. '02
Client ID: Dupe
Lab ID: 2078703s
Filename:
Lab Project No: 20787

MATRIX: Aqueous
Date Extracted: 11/7/02
Ext. Batch:
Date Analyzed: 11/16/02
DILUTION: 1
Analyst: A.A.

CAS#	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND = UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

Initial Vol.(ml) 1000
Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

**Report Of Analysis
NJDEP Certification # 13461
METHOD 8082**

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: Streams 4th Qtr. '02
Client ID: Stream Site # 03
Lab ID: 2078711s
Filename:
Lab Project No: 20787

MATRIX: Aqueous
Date Extracted: 11/8/02
Ext. Batch:
Date Analyzed: 11/16/02
DILUTION: 1
Analyst: A.A.

<u>CAS #</u>	<u>COMPOUNDS</u>	<u>RESULTS</u> (ug/L)	<u>*Reporting Limit</u> (ug/L)	<u>Cleanup Criteria</u> (ug/L)	<u>QUALIFIER</u>	<u>MDL</u> (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000
Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 4th Qrtr. '02
 Client ID: Stream Site # 04
 Lab ID: 2078012s
 Filename:
 Lab Project No: 20780

MATRIX: Aqueous
 Date Extracted: 11/7/02
 Ext. Batch:
 Date Analyzed: 11/15/02
 DILUTION: 1
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.

MDL = METHOD DETECTION LIMIT

ND = UNDETECTED BELOW THE MDL

B = PRESENT IN THE ASSOCIATED BLANK

E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW

D = DILUTION

Initial Vol.(ml) 1000

Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.

MATRIX: Aqueous

Location: Streams 4th Qrtr. '02

Date Extracted: 11/7/02

Client ID: Stream Site # 05

Ext. Batch:

Lab ID: 2078014s

Date Analyzed: 11/15/02

Filename:

DILUTION: 1

Lab Project No: 20780

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.

Initial Vol.(ml) 1000

MDL = METHOD DETECTION LIMIT

Final Vol.(ml) 10

ND = UNDETECTED BELOW THE MDL

B = PRESENT IN THE ASSOCIATED BLANK

E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW

D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 4th Qtr. '02
 Client ID: Stream Site # 07
 Lab ID: 2078010s
 Filename:
 Lab Project No: 20780

MATRIX: Aqueous
 Date Extracted: 11/7/02
 Ext. Batch:
 Date Analyzed: 11/15/02
 DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000
 Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.

MATRIX: Aqueous

Location: Streams 4th Qtr. '02

Date Extracted: 11/7/02

Client ID: Stream Site # 09

Ext. Batch: .

Lab ID: 2078007s

Date Analyzed: 11/15/02

Filename:

DILUTION: 1

Lab Project No: 20780

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.

Initial Vol.(ml) 1000

MDL = METHOD DETECTION LIMIT

Final Vol.(ml) 10

ND = UNDETECTED BELOW THE MDL

B = PRESENT IN THE ASSOCIATED BLANK

E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW

D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 4th Qtr. '02
 Client ID: Stream Site # 11
 Lab ID: 2078706s
 Filename:
 Lab Project No: 20787

MATRIX: Aqueous
 Date Extracted: 11/8/02
 Ext. Batch:
 Date Analyzed: 11/16/02
 DILUTION: 1
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000
 Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 4th Qtr. '02
 Client ID: Stream Site # 12
 Lab ID: 2078704s
 Filename:
 Lab Project No: 20787

MATRIX: Aqueous
 Date Extracted: 11/7/02
 Ext. Batch:
 Date Analyzed: 11/16/02
 DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.

MDL = METHOD DETECTION LIMIT

ND = UNDETECTED BELOW THE MDL

B = PRESENT IN THE ASSOCIATED BLANK

E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW

D = DILUTION

Initial Vol.(ml) 1000

Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 4th Qtr. '02
 Client ID: Stream Site # 13
 Lab ID: 2078713s
 Filename:
 Lab Project No: 20787

MATRIX: Aqueous
 Date Extracted: 11/8/02
 Ext. Batch:
 Date Analyzed: 11/16/02
 DILUTION: 1
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000
 Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: Streams 4th Qtr. '02
Client ID: Stream Site # 14
Lab ID: 2078712s
Filename:
Lab Project No: 20787

MATRIX: Aqueous
Date Extracted: 11/8/02
Ext. Batch:
Date Analyzed: 11/16/02
DILUTION: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.

MDL = METHOD DETECTION LIMIT

ND = UNDETECTED BELOW THE MDL

B = PRESENT IN THE ASSOCIATED BLANK

E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW

D = DILUTION

Initial Vol.(ml) 1000

Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 4th Qtr. '02
 Client ID: Stream Site # 15
 Lab ID: 2078707s
 Filename:
 Lab Project No: 20787

MATRIX: Aqueous
 Date Extracted: 11/8/02
 Ext. Batch:
 Date Analyzed: 11/16/02
 DILUTION: 1
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.

MDL = METHOD DETECTION LIMIT

ND = UNDETECTED BELOW THE MDL

B = PRESENT IN THE ASSOCIATED BLANK

E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW

D = DILUTION

Initial Vol.(ml) 1000

Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: Streams 4th Qtr. '02
Client ID: Stream Site # 16
Lab ID: 2078710s
Filename:
Lab Project No: 20787

MATRIX: Aqueous
Date Extracted: 11/8/02
Ext. Batch:
Date Analyzed: 11/16/02
DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.

MDL = METHOD DETECTION LIMIT

ND = UNDETECTED BELOW THE MDL

B = PRESENT IN THE ASSOCIATED BLANK

E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW

D = DILUTION

Initial Vol.(ml) 1000

Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 4th Qtr. '02
 Client ID: Stream Site # 17
 Lab ID: 2078015s
 Filename:
 Lab Project No: 20780

MATRIX: Aqueous
 Date Extracted: 11/7/02
 Ext. Batch:
 Date Analyzed: 11/15/02
 DILUTION: 1
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000
 Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 4th Qtr. '02
 Client ID: Stream Site # 18
 Lab ID: 2078705s
 Filename:
 Lab Project No: 20787

MATRIX: Aqueous
 Date Extracted: 11/8/02
 Ext. Batch:
 Date Analyzed: 11/16/02
 DILUTION: 1
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000
 Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.

MATRIX: Aqueous

Location: Streams 4th Qtr. '02

Date Extracted: 11/7/02

Client ID: Stream Site # 19

Ext. Batch:

Lab ID: 2078008s

Date Analyzed: 11/15/02

Filename:

DILUTION: 1

Lab Project No: 20780

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.

Initial Vol.(ml) 1000

MDL = METHOD DETECTION LIMIT

Final Vol.(ml) 10

ND = UNDETECTED BELOW THE MDL

B = PRESENT IN THE ASSOCIATED BLANK

E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW

D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 4th Qrtr. '02
 Client ID: Stream Site # 20
 Lab ID: 2078006s
 Filename:
 Lab Project No: 20780

MATRIX: Aqueous
 Date Extracted: 11/7/02
 Ext. Batch:
 Date Analyzed: 11/15/02
 DILUTION: 1
 Analyst: A.A.

CAS#	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000
 Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 4th Qtr. '02
 Client ID: Stream Site # 21
 Lab ID: 2078005s
 Filename:
 Lab Project No: 20780

MATRIX: Aqueous
 Date Extracted: 11/7/02
 Ext. Batch:
 Date Analyzed: 11/15/02
 DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.

MDL = METHOD DETECTION LIMIT

ND = UNDETECTED BELOW THE MDL

B = PRESENT IN THE ASSOCIATED BLANK

E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW

D = DILUTION

Initial Vol.(ml) 1000

Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.

MATRIX: Aqueous

Location: Streams 4th Qtr. '02

Date Extracted: 11/7/02

Client ID: Stream Site # 22

Ext. Batch:

Lab ID: 2078004s

Date Analyzed: 11/15/02

Filename:

DILUTION: 1

Lab Project No: 20780

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.

Initial Vol.(ml) 1000

MDL = METHOD DETECTION LIMIT

Final Vol.(ml) 10

ND = UNDETECTED BELOW THE MDL

B = PRESENT IN THE ASSOCIATED BLANK

E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW

D = DILUTION

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: Streams 4th Qtr. '02
Client ID: Stream Site # 23
Lab ID: 2078708s
Filename:
Lab Project No: 20787.

MATRIX: Aqueous
Date Extracted: 11/8/02
Ext. Batch:
Date Analyzed: 11/16/02
DILUTION: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND = UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

Initial Vol.(ml) 1000
Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 4th Qtr. '02
 Client ID: Stream Site # 24
 Lab ID: 2078709s
 Filename:
 Lab Project No: 20787

MATRIX: Aqueous
 Date Extracted: 11/8/02
 Ext. Batch:
 Date Analyzed: 11/16/02
 DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.

MDL = METHOD DETECTION LIMIT

ND = UNDETECTED BELOW THE MDL

B = PRESENT IN THE ASSOCIATED BLANK

E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW

D = DILUTION

Initial Vol.(ml) 1000

Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

**Report Of Analysis
NJDEP Certification # 13461
METHOD 8082**

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: Streams 4th Qtr. '02
Client ID: Stream Site # 25
Lab ID: 2078013s
Filename:
Lab Project No: 20780

MATRIX: Aqueous
Date Extracted: 11/7/02
Ext. Batch:
Date Analyzed: 11/15/02
DILUTION: 1
Analyst: A.A.

<u>CAS#</u>	<u>COMPOUNDS</u>	<u>RESULTS</u> (ug/L)	<u>*Reporting Limit</u> (ug/L)	<u>Cleanup Criteria</u> (ug/L)	<u>QUALIFIER</u>	<u>MDL</u> (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000
Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: Streams 4th Qtr. '02
Client ID: Stream Site # 26
Lab ID: 2078016s
Filename:
Lab Project No: 20780

MATRIX: Aqueous
Date Extracted: 11/7/02
Ext. Batch:
Date Analyzed: 11/15/02
DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.

MDL = METHOD DETECTION LIMIT

ND = UNDETECTED BELOW THE MDL

B = PRESENT IN THE ASSOCIATED BLANK

E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW

D = DILUTION

Initial Vol.(ml) 1000

Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 4th Qtr. '02
 Client ID: Stream Site # 27
 Lab ID: 2078009s
 Filename:
 Lab Project No: 20780

MATRIX: Aqueous
 Date Extracted: 11/7/02
 Ext. Batch:
 Date Analyzed: 11/15/02
 DILUTION: 1
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.

MDL = METHOD DETECTION LIMIT

ND = UNDETECTED BELOW THE MDL

B = PRESENT IN THE ASSOCIATED BLANK

E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW

D = DILUTION

Initial Vol.(ml) 1000

Final Vol.(ml) 10

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: Streams 4th Qtr. '02
Client ID: Stream Site # 28
Lab ID: 2078011s
Filename:
Lab Project No: 20780

MATRIX: Aqueous
Date Extracted: 11/7/02
Ext. Batch:
Date Analyzed: 11/15/02
DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0519
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.1593
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0650
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.1047
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0629
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0742
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0782

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.

MDL = METHOD DETECTION LIMIT

ND = UNDETECTED BELOW THE MDL

B = PRESENT IN THE ASSOCIATED BLANK

E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW

D = DILUTION

Initial Vol.(ml) 1000

Final Vol.(ml) 10

WET CHEMISTRY

Stream Water Analysis

4th Quarter 2002

Sample ID	Date Sampled	Stream Site#	pH	Ammonia (mg/L)	Nitrates (mg/L)	Phosphate (mg/L)	Sulfate (mg/L)	DO (mg/L)	T.Coliform (cfu/100ml)	F.Coliform (cfu/100ml)	% Salinity
2078704	11/05/02	12	7.80	ND	1.26	0.23	18.6	8.76	1920	60	0
2078705	11/05/02	18	7.85	ND	1.19	0.13	19.1	8.79	1090	100	0
2078706	11/05/02	11	7.81	ND	1.27	0.21	19.1	8.91	1760	60	0
2078707	11/05/02	15	7.71	ND	0.50	0.23	36.4	8.11	1700	30	5
2078708	11/05/02	23	7.74	ND	0.52	0.21	37.9	8.30	1800	100	5
2078709	11/05/02	24	7.75	ND	0.51	0.17	37.5	8.23	960	110	5
2078710	11/05/02	16	7.79	ND	0.62	0.23	34.8	8.29	1540	60	6
2078711	11/05/02	03	7.64	ND	0.21	0.17	303	8.33	2900	100	2
2078712	11/05/02	14	7.66	ND	0.23	0.15	322	8.77	4500	400	0
2078713	11/05/02	13	7.62	ND	0.64	0.16	37.8	8.76	4500	200	0
2078004	11/04/02	22	7.83	ND	ND	0.15	1578	8.31	80	30	16
2078005	11/04/02	21	7.89	ND	ND	0.25	1544	8.27	80	20	13
2078006	11/04/02	20	7.92	ND	ND	0.14	1508	8.24	70	70	13
2078007	11/04/02	09	7.95	ND	1.52	0.15	71.7	7.74	1130	210	2
2078008	11/04/02	19	7.97	ND	1.84	0.08	17.8	7.77	360	180	0
2078009	11/04/02	27	7.71	ND	0.28	0.19	1130	7.81	610	100	2
2078010	11/04/02	07	7.76	ND	0.20	0.02	1161	7.76	900	300	2
2078011	11/04/02	28	7.81	ND	0.16	0.06	561	7.81	340	120	2
2078012	11/04/02	04	7.89	ND	0.18	0.19	1106	7.77	520	40	2
2078013	11/04/02	25	7.91	ND	0.14	0.19	798	7.61	1480	250	0
2078014	11/04/02	05	7.93	ND	0.11	0.17	1089	7.99	890	200	1
2078015	11/04/02	17	7.91	ND	0.24	0.22	938	8.27	1980	240	1
2078016	11/04/02	26	7.98	ND	0.21	0.23	942	8.21	2680	120	0

mg/L = Parts Per Million

cfu = Colony Forming Units

ND = Not detected

TNTC = Too Numerous to Count

Completed: 9/25/02

Reviewed: 9/26/02

Daniel K. Wright
Laboratory Director

SOURCE: 3

Sampling Dates:
07/17/1997 - 11/05/2002

NOTES:
Stream 3 is Fresh-Water.
MeCl limit is 2.49 ug/L.
PCE limit is 0.388 ug/L.

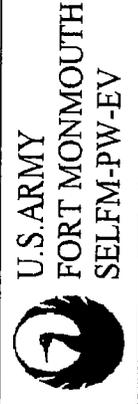
Page 1 of 1

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
			1.09	0.388	-	-	21000	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND	ND	ND		
10/30/1997	FMETL	ND	ND	ND	ND	ND	ND		
02/10/1998	FMETL	ND	ND	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	ND	ND	ND		
11/18/1998	FMETL	ND	ND	1.09	ND	ND	ND		
02/25/1999	FMETL	ND	ND	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND	ND	ND		
09/22/1999	FMETL	ND	ND	ND	ND	ND	ND		
12/09/1999	FMETL	ND	ND	ND	ND	ND	ND		
03/01/2000	FMETL	ND	ND	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND	ND	ND		
03/08/2001	FMETL	ND	ND	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND	ND	ND		V,P
11/05/2002	FMETL	ND	ND	ND	ND	ND	ND		V,P

Fort Monmouth

GW Monitoring
Streams

Source 1 of 23



Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	2.18	ND	ND	ND	ND	ND	0.083	-
07/17/1997	FMETL	1.63	ND	1.61	ND	ND	21000	0.083	-
10/30/1997	FMETL	ND	ND	1.24	ND	ND	ND	ND	-
02/10/1998	FMETL	ND	ND	6.61	ND	ND	ND	ND	-
04/21/1998	FMETL	ND	ND	4.42	ND	ND	ND	ND	-
08/19/1998	FMETL	1.92	1.10	2.85	ND	ND	ND	ND	-
11/17/1998	FMETL	1.19	ND	1.62	ND	ND	ND	ND	-
02/25/1999	FMETL	ND	ND	5.61	ND	ND	ND	ND	-
06/29/1999	FMETL	2.41	1.56	5.27	ND	ND	ND	ND	-
09/22/1999	FMETL	2.02	ND	1.85	ND	ND	ND	ND	-
12/09/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	-
03/01/2000	FMETL	1.23	1.26	6.18	ND	2.18	ND	ND	-
06/12/2000	FMETL	ND	ND	4.37	ND	ND	ND	ND	-
08/24/2000	FMETL	1.19	1.19	3.19	ND	ND	ND	ND	-
11/20/2000	FMETL	ND	ND	3.70	ND	ND	ND	ND	-
03/08/2001	FMETL	ND	ND	2.52	ND	ND	ND	ND	-
05/16/2001	FMETL	ND	ND	2.95	ND	ND	ND	ND	-
09/25/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	-
11/14/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	-
02/11/2002	FMETL	ND	ND	1.64	ND	ND	ND	ND	V
06/16/2002	FMETL	ND	ND	1.97	ND	ND	ND	ND	V,P
09/16/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P

SOURCE: 4

Sampling Dates:
04/08/1997 - 11/04/2002

NOTES:

PAGE 1 OF 1
Stream 4 is Salt Water.
MTBE limit is NLE
cis-1,2-Di limit is NLE
TCE limit is 81
PCE limit is 4.29

Fort Monmouth

GW Monitoring
Streams

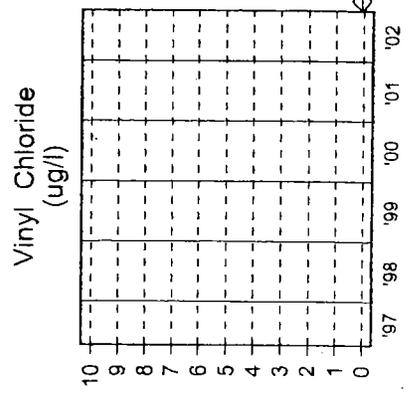
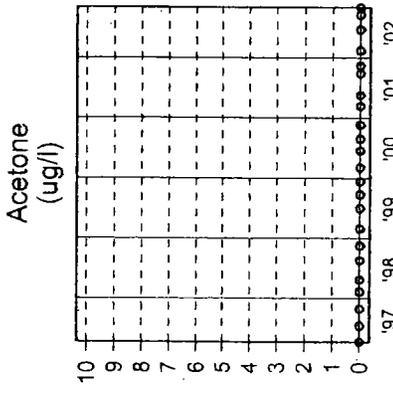
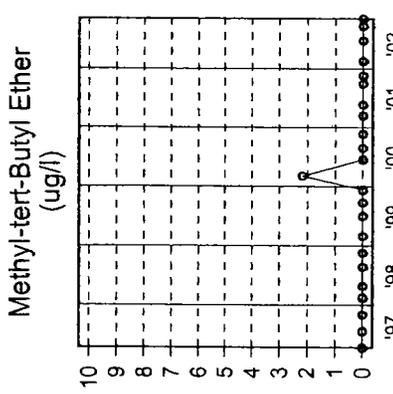
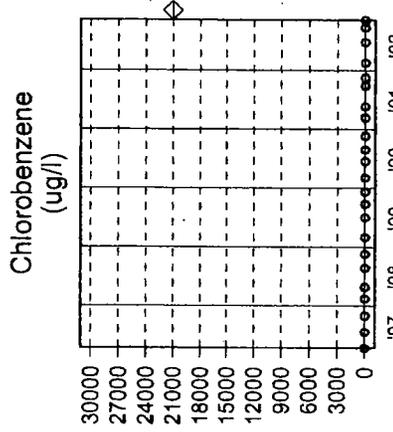
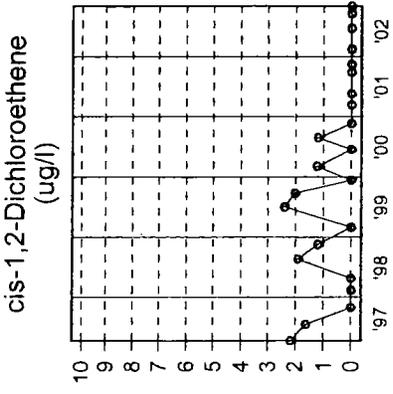
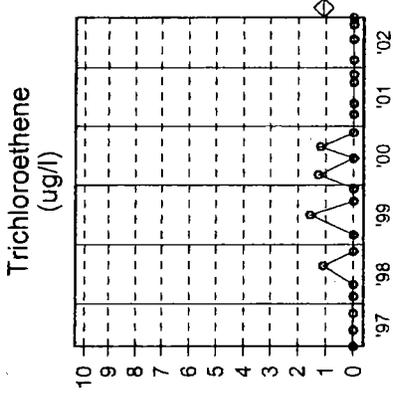
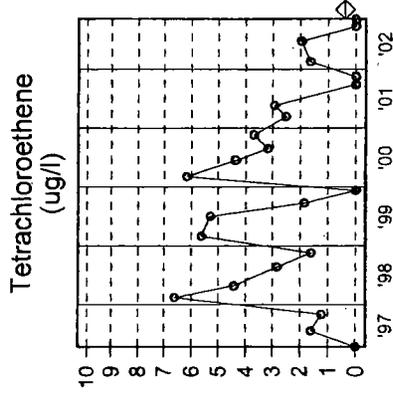
Source 2 of 23



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 4

Sampling Dates:
04/08/1997 - 11/04/2002



LEGEND:

PARAMETER

- o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring Streams

Source 2 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	1.80	1.09	0.388	-	-	21000	0.083	-
07/17/1997	FMETL	3.66	ND	2.28	ND	ND	ND	ND	-
10/30/1997	FMETL	1.83	ND	3.54	ND	ND	ND	ND	-
02/10/1998	FMETL	ND	ND	1.70	ND	ND	ND	ND	-
04/21/1998	FMETL	ND	ND	6.34	ND	ND	ND	ND	-
08/19/1998	FMETL	2.28	1.27	4.48	ND	ND	ND	ND	-
11/17/1998	FMETL	1.67	ND	3.39	ND	ND	ND	ND	-
02/25/1999	FMETL	ND	ND	2.17	ND	ND	ND	ND	-
06/29/1999	FMETL	2.74	1.74	5.45	ND	ND	ND	ND	-
09/22/1999	FMETL	1.96	ND	6.04	ND	ND	ND	ND	-
12/09/1999	FMETL	1.60	ND	1.82	ND	ND	ND	ND	-
03/01/2000	FMETL	1.27	1.36	3.82	ND	2.34	ND	ND	-
06/12/2000	FMETL	ND	ND	6.62	ND	ND	ND	ND	-
08/24/2000	FMETL	1.19	ND	4.38	ND	ND	ND	ND	-
11/20/2000	FMETL	ND	ND	3.44	ND	ND	ND	ND	-
03/08/2001	FMETL	ND	ND	3.58	ND	ND	ND	ND	-
05/16/2001	FMETL	0.97	ND	ND	ND	ND	ND	ND	-
09/25/2001	FMETL	ND	ND	4.09	ND	ND	ND	ND	-
11/14/2001	FMETL	1.51	ND	ND	ND	ND	ND	ND	-
02/11/2002	FMETL	ND	ND	1.99	ND	ND	ND	ND	V
06/18/2002	FMETL	ND	ND	2.44	ND	ND	ND	ND	V,P
09/18/2002	FMETL	ND	ND	2.39	ND	ND	ND	ND	V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P

SOURCE: 5

Sampling Dates:
04/08/1997 - 11/04/2002

NOTES:

Page 1 of 1
Stream 5 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 3 of 23

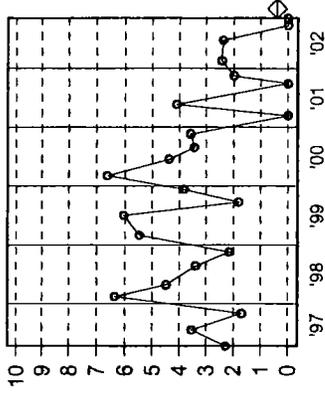


**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

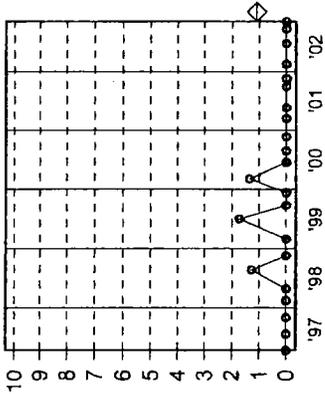
SOURCE: 5

Sampling Dates:
04/08/1997 - 11/04/2002

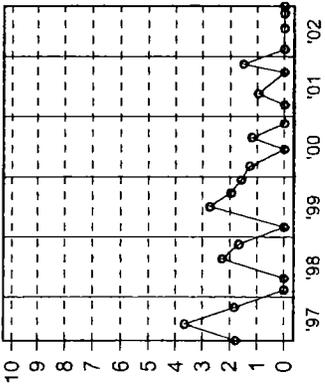
Tetrachloroethene
(ug/l)



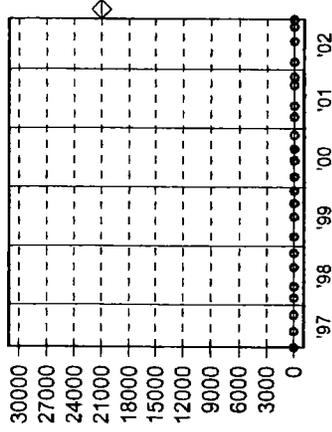
Trichloroethene
(ug/l)



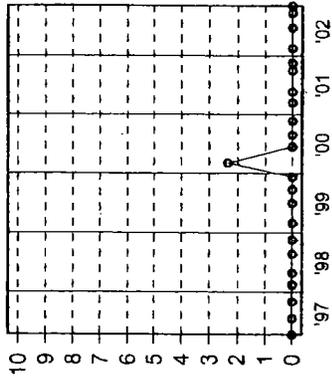
cis-1,2-Dichloroethene
(ug/l)



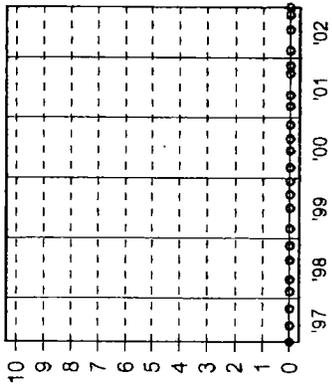
Chlorobenzene
(ug/l)



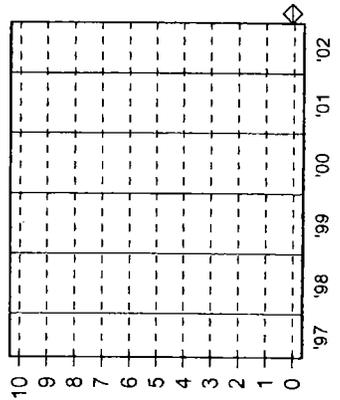
Methyl-tert-Butyl Ether
(ug/l)



Acetone
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

- o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 3 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	ND	1.09	0.388	-	-	21000	0.083	-
07/17/1997	FMETL	1.14	ND	1.08	ND	ND	ND	ND	-
10/30/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	-
02/10/1998	FMETL	ND	ND	2.04	ND	ND	ND	ND	-
04/21/1998	FMETL	ND	ND	2.40	ND	ND	ND	ND	-
08/19/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	-
11/17/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	-
02/25/1999	FMETL	ND	ND	2.85	ND	ND	ND	ND	-
06/29/1999	FMETL	ND	ND	1.42	2.94	2.00	ND	ND	-
09/22/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	-
12/09/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	-
03/01/2000	FMETL	1.19	1.30	6.47	ND	2.14	ND	ND	-
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	-
08/24/2000	FMETL	ND	ND	1.77	ND	ND	ND	ND	-
11/20/2000	FMETL	ND	ND	1.94	ND	ND	ND	ND	-
03/08/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	-
05/16/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	-
09/25/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	-
11/14/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	-
02/11/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V
06/18/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P
09/18/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P

SOURCE: 7

Sampling Dates:
04/08/1997 - 11/04/2002

NOTES:

Page 1 of 1
Stream 7 is Salt-Water.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.
Acetone limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 4 of 23

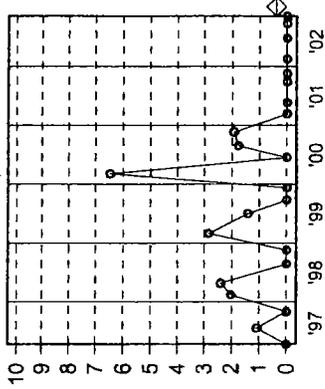


**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

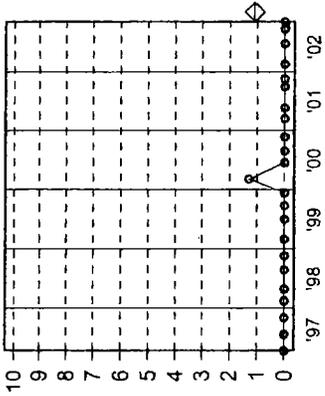
SOURCE: 7

Sampling Dates:
04/08/1997 - 11/04/2002

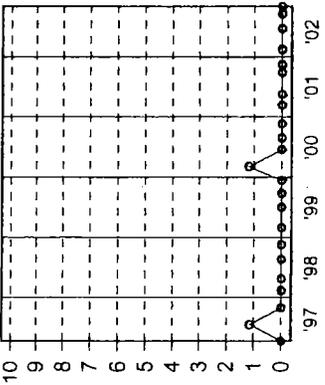
Tetrachloroethene (ug/l)



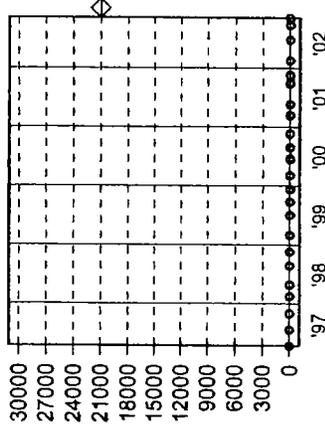
Trichloroethene (ug/l)



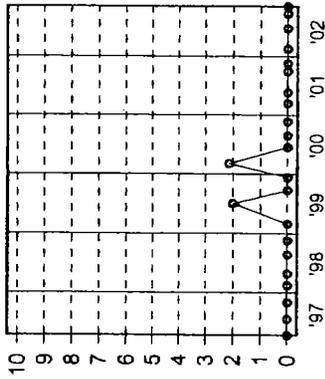
cis-1,2-Dichloroethene (ug/l)



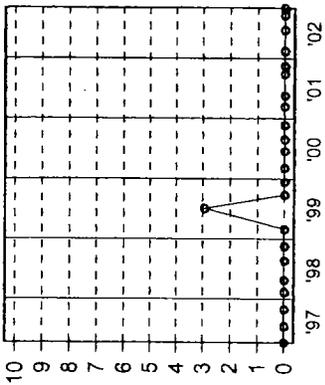
Chlorobenzene (ug/l)



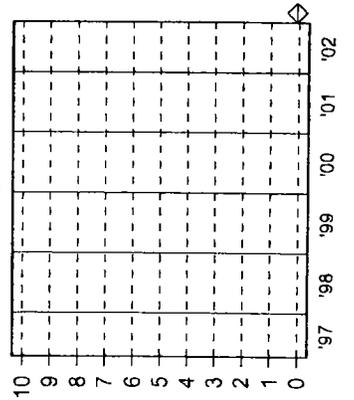
Methyl-tert-Butyl Ether (ug/l)



Acetone (ug/l)



Vinyl Chloride (ug/l)



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring Streams

Source 4 of 23, Graph



**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	2.78	1.09	0.388	-	-	21000	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND	ND	ND		
10/30/1997	FMETL	2.14	ND	ND	ND	ND	ND		
02/10/1998	FMETL	6.00	ND	ND	ND	ND	ND		
04/21/1998	FMETL	4.73	ND	ND	ND	ND	ND		
08/19/1998	FMETL	1.69	ND	ND	ND	ND	ND		
11/17/1998	FMETL	ND	ND	ND	ND	ND	ND		
02/25/1999	FMETL	1.78	ND	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	2.50	ND	ND		
09/21/1999	FMETL	1.91	ND	ND	ND	ND	ND		
12/09/1999	FMETL	ND	ND	ND	25.08	ND	ND		
03/01/2000	FMETL	2.17	ND	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND		
08/24/2000	FMETL	1.11	ND	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND	ND	ND		-
11/20/2000D	FMETL	ND	ND	ND	ND	ND	ND		-
02/21/2001	FMETL	1.72	ND	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND	ND	ND		-
09/11/2001	FMETL	ND	ND	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND	ND	ND		V
02/11/2002	FMETL	ND	ND	ND	ND	ND	ND		V,P
06/18/2002	FMETL	ND	ND	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND	ND	ND		V,P
11/04/2002	FMETL	1.24	ND	ND	ND	ND	ND		V,P

SOURCE: 9

Sampling Dates:
04/08/1997 - 11/04/2002

NOTES:

PAGE 1 OF 1
Stream 9 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 5 of 23

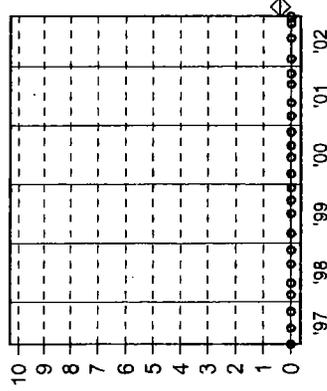


**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

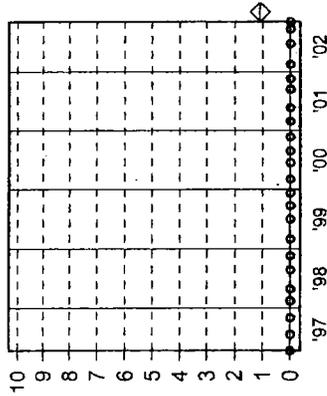
SOURCE: 9

Sampling Dates:
04/08/1997 - 11/04/2002

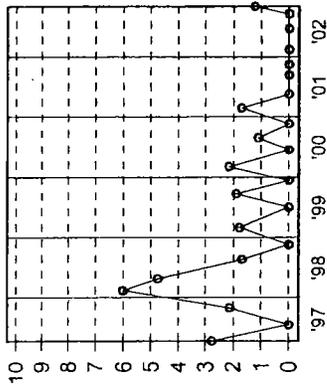
Tetrachloroethene (ug/l)



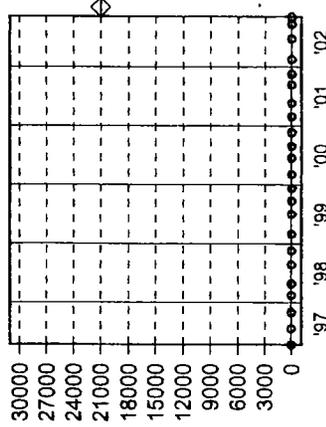
Trichloroethene (ug/l)



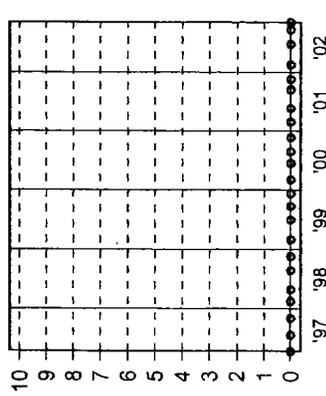
cis-1,2-Dichloroethene (ug/l)



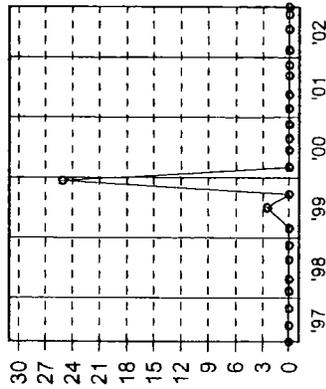
Chlorobenzene (ug/l)



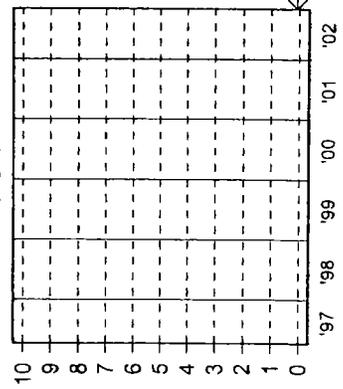
Methyl-tert-Butyl Ether (ug/l)



Acetone (ug/l)



Vinyl Chloride (ug/l)



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring Streams

Source 5 of 23, Graph



**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	18.72	1.58	ND	ND	ND	21000	0.083	-
07/17/1997	FMETL	14.13	ND	ND	ND	ND	ND		
10/30/1997	FMETL	18.23	ND	ND	ND	ND	ND		
02/10/1998	FMETL	24.71	2.14	ND	ND	ND	ND		
04/21/1998	FMETL	21.66	1.82	ND	ND	ND	ND		
08/19/1998	FMETL	11.73	ND	ND	ND	ND	ND		
11/18/1998	FMETL	8.82	ND	ND	ND	ND	ND		
02/25/1999	FMETL	9.11	ND	ND	ND	ND	ND		
06/29/1999	FMETL	5.77	ND	ND	ND	ND	ND		
09/21/1999	FMETL	15.62	ND	ND	ND	ND	ND		
12/09/1999	FMETL	11.90	ND	ND	ND	ND	ND		
03/01/2000	FMETL	11.01	ND	ND	ND	1.64	ND		
06/12/2000	FMETL	8.03	ND	ND	ND	ND	ND		
08/24/2000	FMETL	9.08	ND	ND	ND	ND	ND		
08/24/2000D	FMETL	8.70	ND	ND	6.22	ND	ND		
11/20/2000	FMETL	5.34	ND	ND	ND	ND	ND		
02/21/2001	FMETL	8.26	ND	ND	ND	ND	ND		
05/16/2001	FMETL	5.21	ND	ND	ND	ND	ND		
09/25/2001	FMETL	ND	ND	ND	ND	ND	ND		
11/14/2001	FMETL	1.93	ND	ND	ND	ND	ND		
02/11/2002	FMETL	1.05	ND	ND	ND	ND	ND		V
06/18/2002	FMETL	3.08	ND	ND	ND	ND	ND		V,P
09/18/2002	FMETL	4.17	ND	ND	ND	ND	ND		V,P
11/05/2002	FMETL	7.48	ND	ND	ND	ND	ND	1.33	V,P

Fort Monmouth

GW Monitoring
Streams

Source 6 of 23



U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

SOURCE: 11

Sampling Dates:
04/08/1997 - 11/05/2002

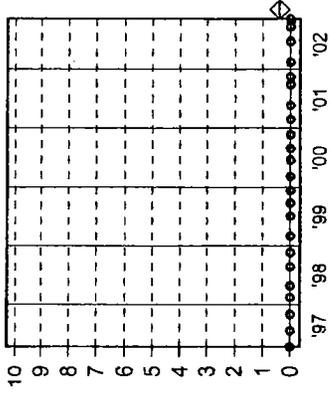
NOTES:

Page 1 of 1
Stream 11 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09 ug/L.
MTBE limit is NLE.

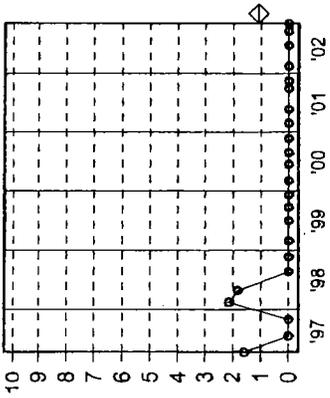
SOURCE: 11

Sampling Dates:
04/08/1997 - 11/05/2002

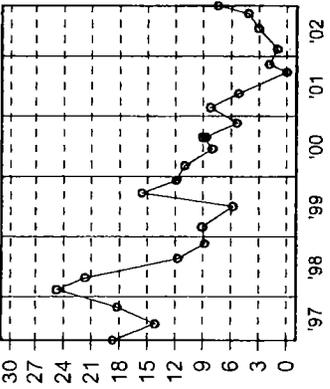
Tetrachloroethene (ug/l)



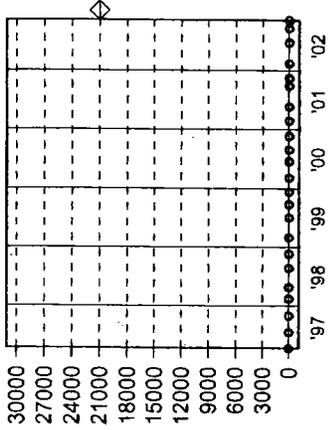
Trichloroethene (ug/l)



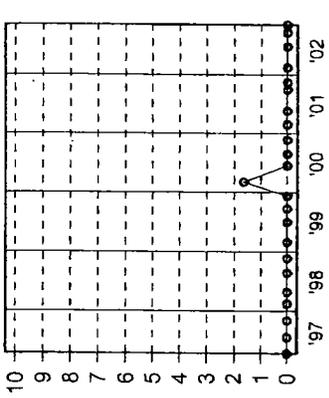
cis-1,2-Dichloroethene (ug/l)



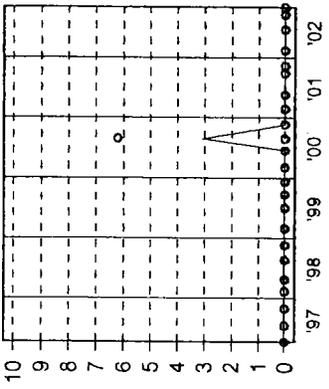
Chlorobenzene (ug/l)



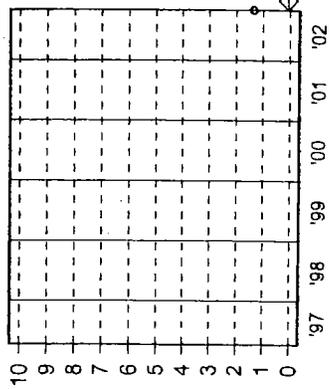
Methyl-tert-Butyl Ether (ug/l)



Acetone (ug/l)



Vinyl Chloride (ug/l)



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring Streams

Source 6 of 23, Graph



**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
NUDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	6.63	1.09	0.388	-	-	21000	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND	ND	ND		
10/30/1997	FMETL	5.67	ND	ND	ND	ND	ND		
02/10/1998	FMETL	6.54	ND	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND	ND	ND		
08/19/1998	FMETL	4.58	ND	ND	ND	ND	ND		
11/18/1998	FMETL	2.48	ND	ND	ND	ND	ND		
02/25/1999	FMETL	1.80	ND	ND	ND	ND	ND		
06/29/1999	FMETL	1.39	ND	ND	ND	ND	ND		
09/21/1999	FMETL	3.67	ND	ND	9.54	ND	ND		
12/09/1999	FMETL	2.74	ND	ND	ND	ND	ND		
03/01/2000	FMETL	3.13	ND	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND		
08/24/2000	FMETL	2.00	ND	ND	ND	ND	ND		
11/20/2000	FMETL	1.87	ND	ND	ND	ND	ND		
02/21/2001	FMETL	1.89	ND	ND	ND	ND	ND		
05/16/2001	FMETL	1.66	ND	ND	ND	ND	ND		
05/16/2001D	FMETL	1.72	ND	ND	ND	ND	ND		
09/11/2001	FMETL	ND	ND	ND	ND	ND	ND		
11/14/2001	FMETL	ND	ND	ND	ND	ND	ND		
02/11/2002	FMETL	ND	ND	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND	ND	ND		V,P
11/05/2003	FMETL	5.16	ND	ND	ND	ND	ND	ND	V,P

SOURCE: 12

Sampling Dates:
04/08/1997 - 11/05/2003

NOTES:

Page 1 of 1
Stream 12 is Fresh-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

Fort Monmouth

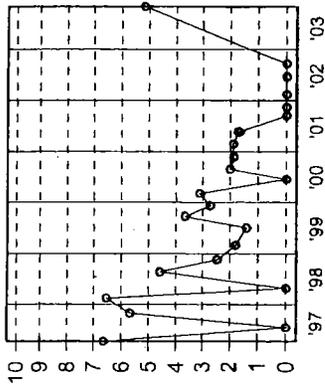
GW Monitoring
Streams

Source 7 of 23

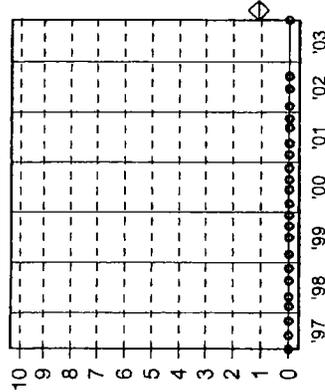


**U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV**

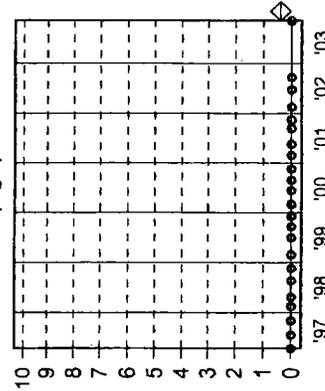
cis-1,2-Dichloroethene (ug/l)



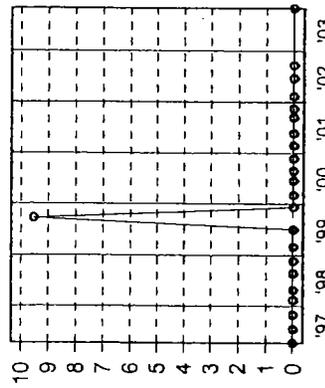
Trichloroethene (ug/l)



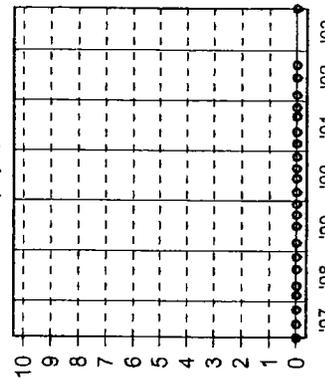
Tetrachloroethene (ug/l)



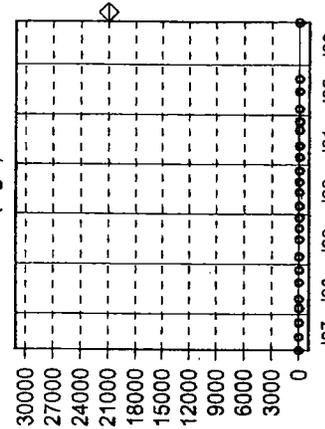
Acetone (ug/l)



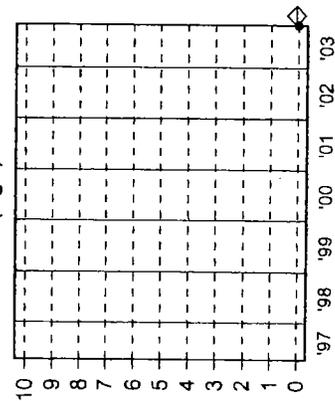
Methyl-tert-Butyl Ether (ug/l)



Chlorobenzene (ug/l)



Vinyl Chloride (ug/l)



SOURCE: 12

Sampling Dates:
04/08/1997 - 11/05/2003

LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 7 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
N/DEP Criteria:	-	1.09	0.388	-	-	21000	0.083	-
04/08/1997	ND	ND	ND	2.81	ND	ND	ND	
07/17/1997	ND	ND	ND	ND	ND	ND	ND	
10/30/1997	ND	ND	ND	ND	ND	ND	ND	
02/10/1998	ND	ND	ND	ND	ND	ND	ND	
04/21/1998	ND	ND	ND	ND	ND	ND	ND	
08/19/1998	ND	ND	ND	ND	ND	ND	ND	
11/18/1998	ND	ND	ND	ND	ND	ND	ND	
02/25/1999	ND	ND	ND	ND	ND	ND	ND	
06/29/1999	ND	ND	ND	ND	ND	ND	ND	
09/22/1999	ND	ND	ND	ND	ND	ND	ND	
12/09/1999	ND	ND	3.94	ND	ND	ND	ND	
03/01/2000	1.35	1.40	6.92	ND	2.40	ND	ND	
06/12/2000	ND	ND	5.56	ND	ND	ND	ND	
08/24/2000	2.17	1.78	5.40	ND	ND	ND	ND	
11/20/2000	ND	ND	6.58	ND	ND	ND	ND	-
02/21/2001	ND	ND	ND	ND	ND	ND	ND	-
05/16/2001	ND	ND	ND	ND	ND	ND	ND	-
09/25/2001	ND	ND	ND	ND	ND	ND	ND	-
11/14/2001	ND	ND	ND	ND	ND	ND	ND	-
02/11/2002	ND	ND	ND	ND	ND	ND	ND	V
06/18/2002	ND	ND	ND	ND	ND	ND	ND	V,P
09/18/2002	ND	ND	ND	ND	ND	ND	ND	V,P
11/05/2002	ND	ND	1.46	ND	ND	ND	ND	V,P

SOURCE: 13

Sampling Dates:
04/08/1997 - 11/05/2002

NOTES:

Page 1 of 1
Stream 13 is Fresh-Water.
MeCl limit is 2.49 ug/L.
cis-1,2-Di limit is NLE.
TCE limit is 1.09.
PCE limit is 0.388 ug/L.
Acetone limit is NLE.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 8 of 23

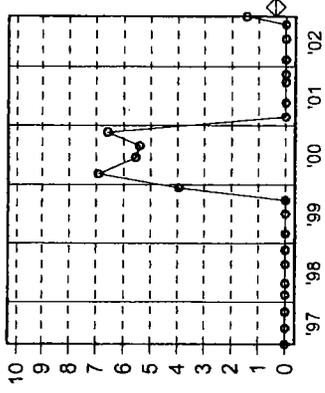


**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

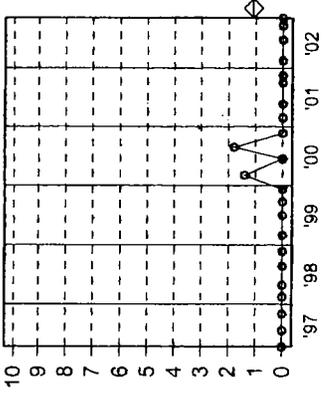
SOURCE: 13

Sampling Dates:
04/08/1997 - 11/05/2002

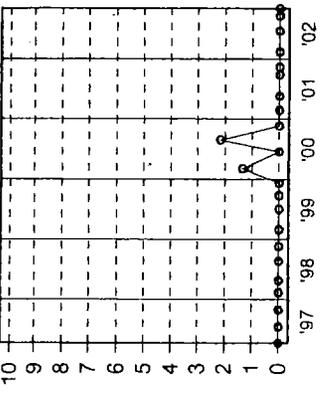
Tetrachloroethene
(ug/l)



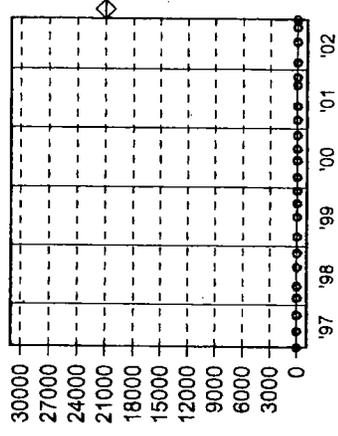
Trichloroethene
(ug/l)



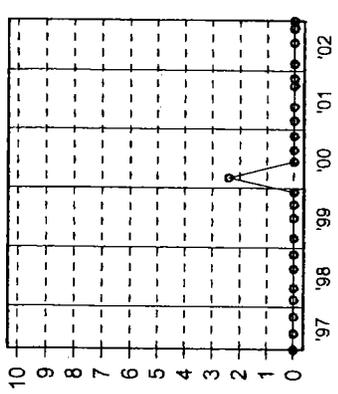
cis-1,2-Dichloroethene
(ug/l)



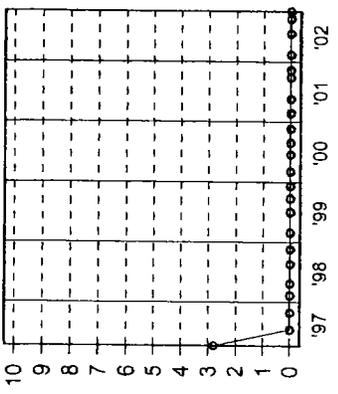
Chlorobenzene
(ug/l)



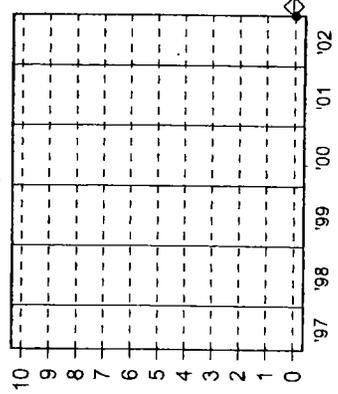
Methyl-tert-Butyl Ether
(ug/l)



Acetone
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 8 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	ND	1.09	0.388	-	-	21000	0.083	-
07/17/1997	FMETL	ND	ND	ND	3.94	ND	ND	ND	-
10/30/1997	FMETL	1.59	1.75	ND	ND	ND	ND	ND	-
02/10/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	-
04/21/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	-
08/19/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	-
11/18/1998	FMETL	ND	ND	ND	3.32	ND	ND	ND	-
02/25/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	-
06/29/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	-
09/22/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	-
12/09/1999	FMETL	11.26	ND	ND	ND	ND	ND	ND	-
03/01/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	-
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	-
08/24/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	-
11/20/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	-
03/08/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	-
03/08/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND	-
05/16/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	-
09/25/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	-
11/14/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	-
02/11/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V
06/18/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P
09/18/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P
11/05/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P

SOURCE: 14

Sampling Dates:

04/08/1997 - 11/05/2002

NOTES:

Page 1 of 1

Stream 14 is Fresh-Water.

cis-1,2-Di limit is NLE.

TCE limit is 1.09

Acetone limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 9 of 23

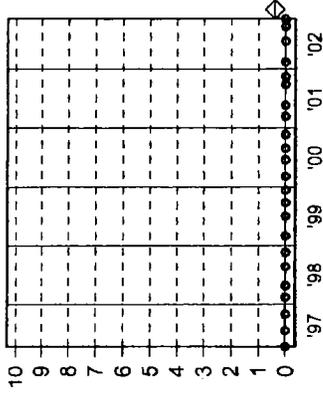


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FORT MONMOUTH
SELF-M-PW-EV**

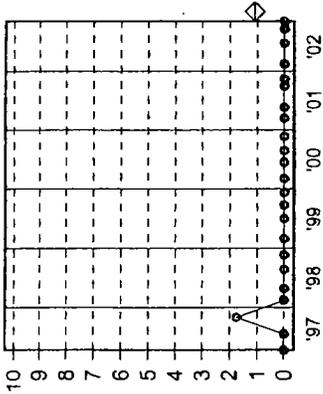
SOURCE: 14

Sampling Dates:
04/08/1997 - 11/05/2002

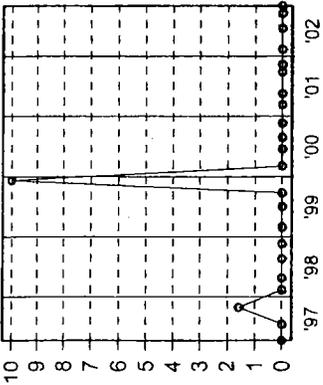
Tetrachloroethene
(ug/l)



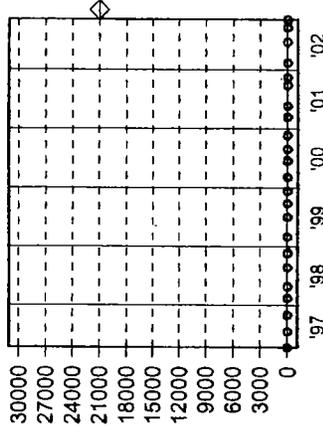
Trichloroethene
(ug/l)



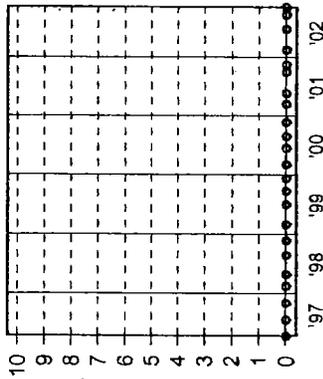
cis-1,2-Dichloroethene
(ug/l)



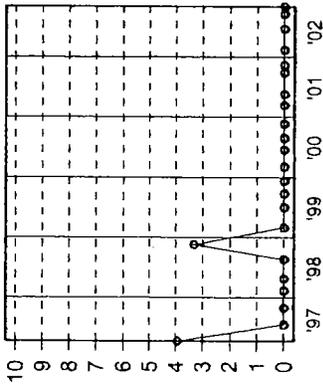
Chlorobenzene
(ug/l)



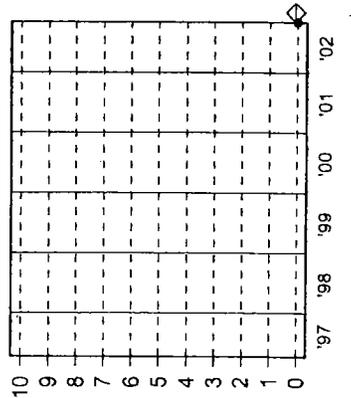
Methyl-tert-Butyl Ether
(ug/l)



Acetone
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 9 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	2.69	1.09	0.388	-	-	21000	0.083	-
07/17/1997	FMETL	5.53	1.60	6.00	ND	ND	ND		
10/30/1997	FMETL	2.57	2.50	7.12	ND	ND	ND		
02/10/1998	FMETL	ND	ND	2.72	ND	ND	ND		
04/21/1998	FMETL	1.22	1.03	6.90	ND	ND	ND		
08/19/1998	FMETL	3.89	1.21	5.72	ND	ND	ND		
11/18/1998	FMETL	ND	2.06	5.39	ND	ND	ND		
02/25/1999	FMETL	ND	ND	ND	ND	ND	ND		
06/29/1999	FMETL	4.17	2.40	7.33	ND	ND	ND		
09/21/1999	FMETL	3.59	1.37	7.86	ND	ND	ND		
12/09/1999	FMETL	ND	ND	2.61	ND	ND	ND		
03/01/2000	FMETL	1.39	ND	4.08	ND	ND	ND		
06/12/2000	FMETL	ND	1.39	6.95	ND	2.38	ND		
08/24/2000	FMETL	2.02	ND	5.94	ND	ND	ND		
11/20/2000	FMETL	ND	1.09	5.20	ND	ND	ND		
02/21/2001	FMETL	ND	ND	6.29	ND	ND	ND		-
05/16/2001	FMETL	1.50	ND	7.19	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	6.64	ND	ND	ND		-
09/25/2001D	FMETL	ND	ND	ND	ND	ND	ND		-
11/14/2001	FMETL	3.09	ND	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	3.49	ND	ND	ND		V
06/18/2002	FMETL	1.63	ND	2.65	ND	ND	ND		V,P
09/18/2002	FMETL	2.39	ND	2.67	ND	ND	ND		V,P
11/05/2002	FMETL	ND	ND	2.55	ND	ND	ND		V,P
				1.52	ND	ND	ND	ND	

Fort Monmouth

GW Monitoring
Streams

Source 10 of 23

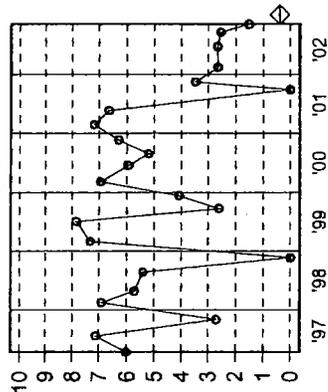


U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

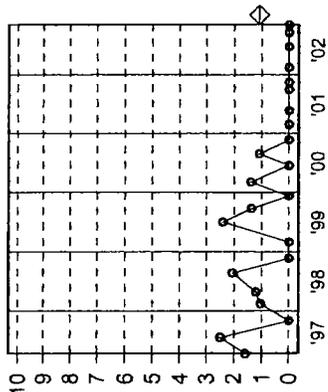
SOURCE: 15

Sampling Dates:
04/08/1997 - 11/05/2002

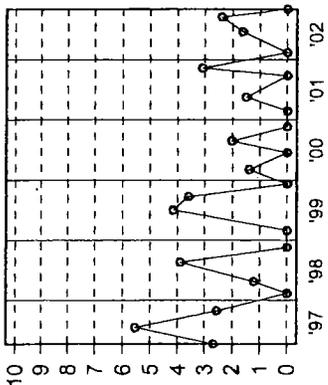
Tetrachloroethene
(ug/l)



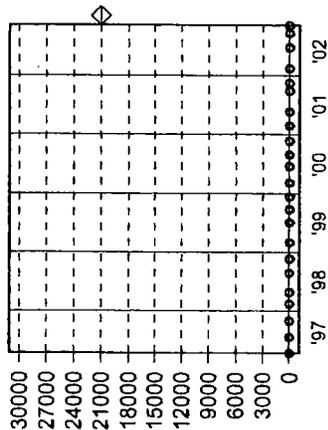
Trichloroethene
(ug/l)



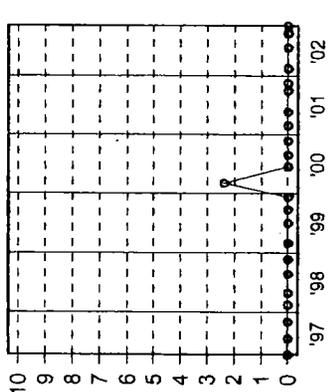
cis-1,2-Dichloroethene
(ug/l)



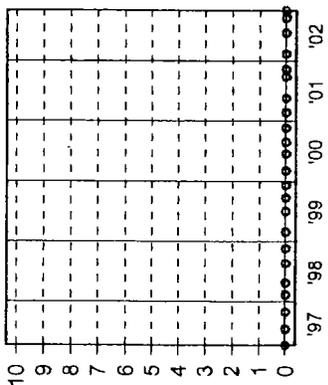
Chlorobenzene
(ug/l)



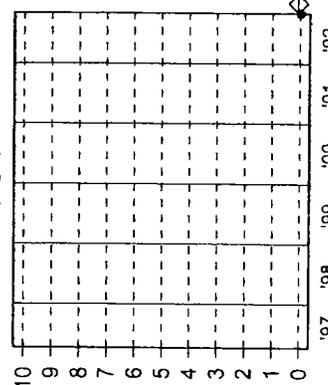
Methyl-tert-Butyl Ether
(ug/l)



Acetone
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 10 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	1.09	0.388	-	-	21000	0.083	-
04/08/1997	FMETL 2.05	1.26	4.47	ND	ND	ND		
07/17/1997	FMETL 2.55	ND	4.72	ND	ND	ND		
10/30/1997	FMETL 1.76	ND	1.86	ND	ND	ND		
02/10/1998	FMETL ND	ND	6.23	ND	ND	ND		
04/21/1998	FMETL ND	ND	4.58	ND	ND	ND		
08/19/1998	FMETL 2.94	1.63	4.33	ND	ND	ND		
11/18/1998	FMETL ND	ND	1.48	ND	ND	ND		
02/25/1999	FMETL ND	ND	6.06	ND	ND	ND		
06/29/1999	FMETL 3.56	2.25	7.70	ND	ND	ND		
09/22/1999	FMETL 2.74	ND	2.63	ND	ND	ND		
12/09/1999	FMETL 1.79	ND	4.13	ND	ND	ND		
03/01/2000	FMETL 1.28	1.27	6.47	ND	2.33	ND		
06/12/2000	FMETL ND	ND	3.74	ND	ND	ND		
08/24/2000	FMETL 1.68	1.28	4.47	ND	ND	ND		
11/20/2000	FMETL ND	ND	4.49	ND	ND	ND		
02/21/2001	FMETL ND	ND	6.25	ND	ND	ND		
05/16/2001	FMETL 1.23	ND	4.91	ND	ND	ND		
09/25/2001	FMETL ND	ND	ND	ND	ND	ND		
11/14/2001	FMETL 1.41	ND	2.00	ND	ND	ND		
02/11/2002	FMETL ND	ND	2.47	ND	ND	ND		V
06/18/2002	FMETL 1.35	ND	2.46	ND	ND	ND		V,P
09/18/2002	FMETL ND	ND	ND	ND	ND	ND		V,P
11/05/2002	FMETL ND	ND	1.49	ND	ND	ND	ND	V,P

SOURCE: 16

Sampling Dates:
04/08/1997 - 11/05/2002

NOTES:

Page 1 of 1
Stream 16 is Salt-Water.
cis-1,2-di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 11 of 23

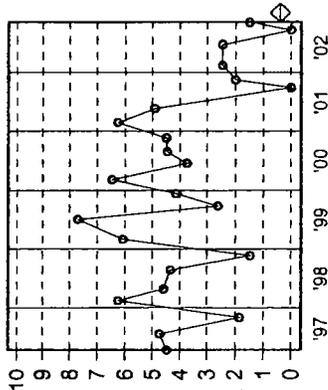


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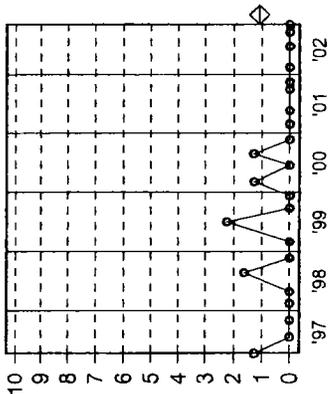
SOURCE: 16

Sampling Dates:
04/08/1997 - 11/05/2002

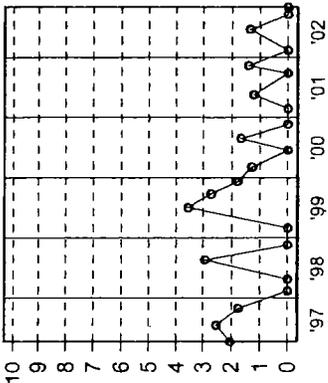
Tetrachloroethene (ug/l)



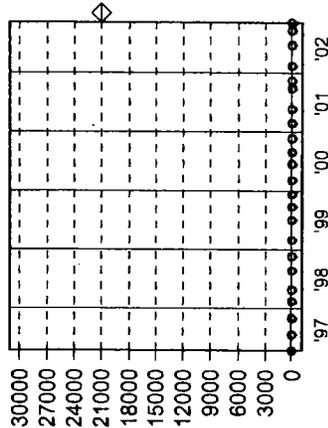
Trichloroethene (ug/l)



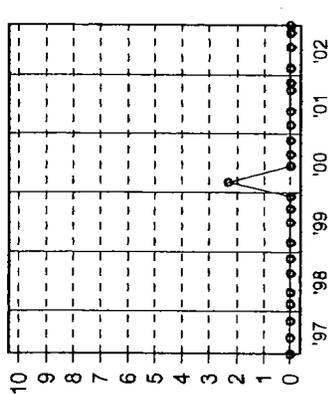
cis-1,2-Dichloroethene (ug/l)



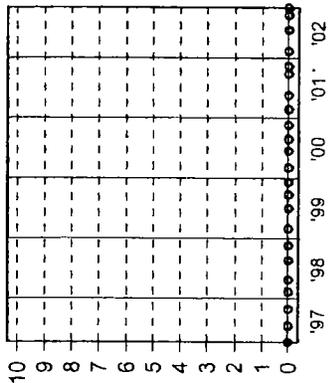
Chlorobenzene (ug/l)



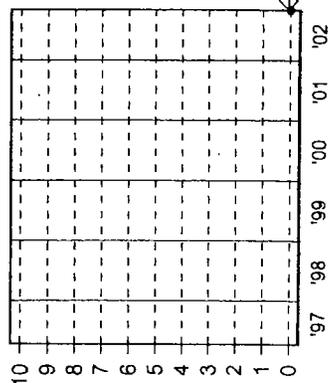
Methyl-tert-Butyl Ether (ug/l)



Acetone (ug/l)

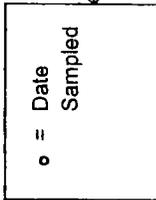


Vinyl Chloride (ug/l)



LEGEND:

PARAMETER



Fort Monmouth

GW Monitoring Streams

Source 11 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	ND	1.09	0.388	1.97	ND	21000	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND	ND	ND		
10/30/1997	FMETL	ND	ND	ND	ND	ND	ND		
02/10/1998	FMETL	ND	ND	ND	ND	ND	1.59		
04/21/1998	FMETL	ND	ND	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	ND	ND	ND		
11/18/1998	FMETL	4.43	2.12	5.09	ND	ND	ND		
02/25/1999	FMETL	ND	ND	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND	ND	ND		
09/22/1999	FMETL	1.09	ND	ND	ND	ND	ND		
12/09/1999	FMETL	ND	ND	ND	ND	ND	ND		
03/01/2000	FMETL	ND	ND	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND	ND	ND		
03/08/2001	FMETL	ND	ND	ND	ND	ND	ND		
05/16/2001	FMETL	ND	ND	ND	ND	ND	ND		
09/25/2001	FMETL	ND	ND	ND	ND	ND	ND		
11/14/2001	FMETL	ND	ND	ND	ND	ND	ND		
02/11/2002	FMETL	ND	ND	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND	ND	1.48		V,P
09/18/2002	FMETL	ND	ND	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P

SOURCE: 17

Sampling Dates:
04/08/1997 - 11/04/2002

NOTES:

Page 1 of 1
stream 17 is Salt-Water.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
Acetone limit is NLE.
Chlorobenzene limit is 21000 ug/L.

Fort Monmouth

GW Monitoring
Streams

Source 12 of 23

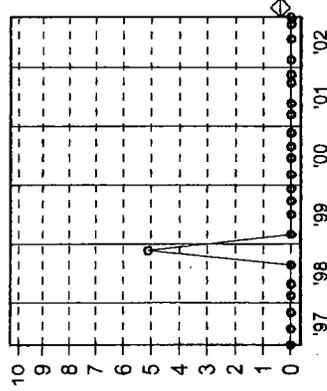


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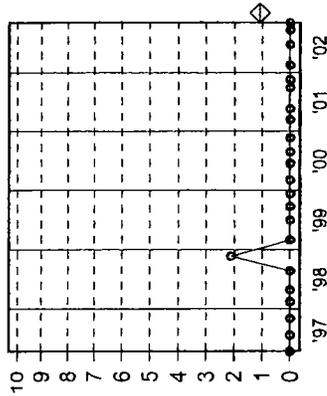
SOURCE: 17

Sampling Dates:
04/08/1997 - 11/04/2002

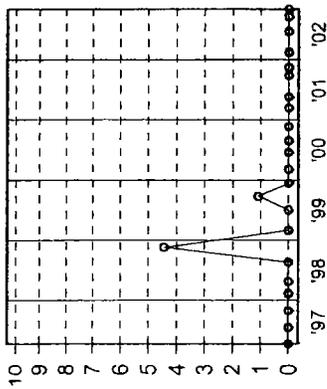
Tetrachloroethene
(ug/l)



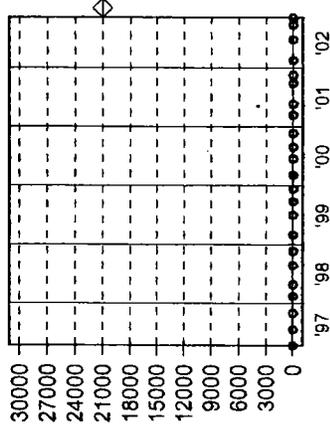
Trichloroethene
(ug/l)



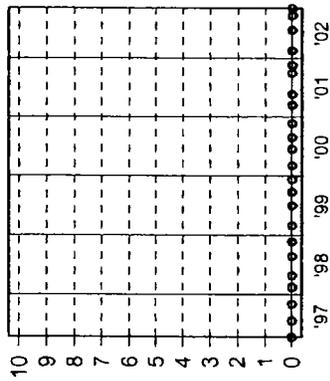
cis-1,2-Dichloroethene
(ug/l)



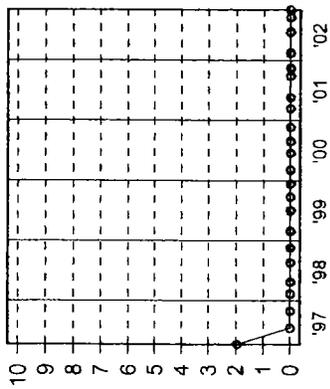
Chlorobenzene
(ug/l)



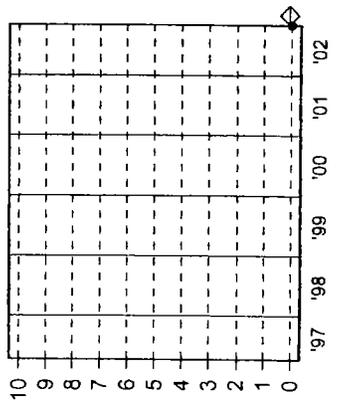
Methyl-tert-Butyl Ether
(ug/l)



Acetone
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 12 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	-	1.09	0.388	-	-	21000	0.083	-
04/08/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	
07/17/1997	FMETL	1.06	ND	ND	ND	ND	ND	ND	
10/30/1997	FMETL	5.87	ND	ND	ND	ND	ND	ND	
02/10/1998	FMETL	14.36	ND	ND	ND	ND	ND	ND	
04/21/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	
08/19/1998	FMETL	4.65	ND	ND	ND	ND	ND	ND	
11/18/1998	FMETL	3.18	ND	ND	ND	ND	ND	ND	
02/25/1999	FMETL	3.95	ND	ND	ND	ND	ND	ND	
06/29/1999	FMETL	1.47	ND	ND	ND	ND	ND	ND	
09/21/1999	FMETL	4.67	ND	ND	ND	ND	ND	ND	
12/09/1999	FMETL	4.90	ND	ND	ND	ND	ND	ND	
03/01/2000	FMETL	5.57	ND	ND	ND	ND	ND	ND	
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	
08/24/2000	FMETL	2.46	ND	ND	15.24	ND	ND	ND	
11/20/2000	FMETL	1.80	ND	ND	ND	ND	ND	ND	-
02/21/2001	FMETL	4.10	ND	ND	ND	ND	ND	ND	-
05/16/2001	FMETL	1.45	ND	ND	ND	ND	ND	ND	-
09/11/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	-
09/11/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND	-
11/14/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	V
02/11/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P
06/18/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P
09/18/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P
11/05/2002	FMETL	5.14	ND	ND	ND	ND	ND	ND	V,P

SOURCE: 18

Sampling Dates:
04/08/1997 - 11/05/2002

NOTES:

Page 1 of 1
Stream 18 is Fresh-Water.
cis-1,2-Di limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 13 of 23

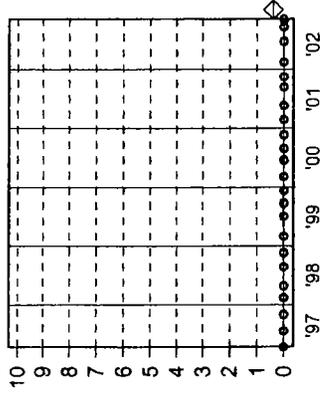


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FORT MONMOUTH
SELF-M-PW-EV

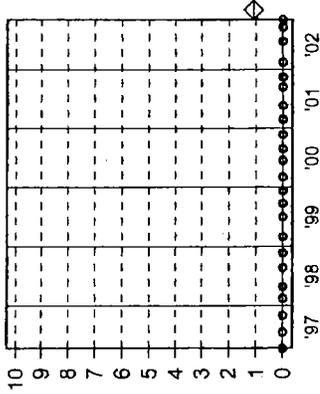
SOURCE: 18

Sampling Dates:
04/08/1997 - 11/05/2002

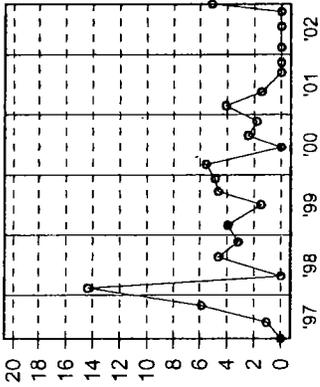
Tetrachloroethene
(ug/l)



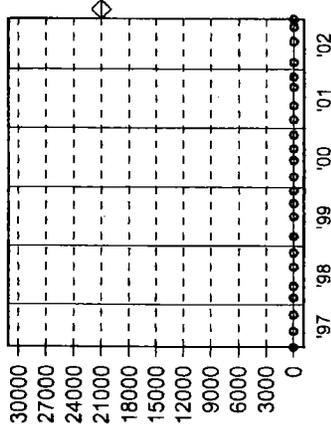
Trichloroethene
(ug/l)



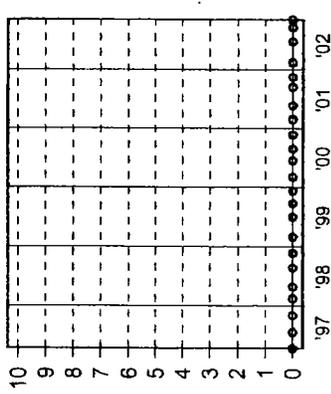
cis-1,2-Dichloroethene
(ug/l)



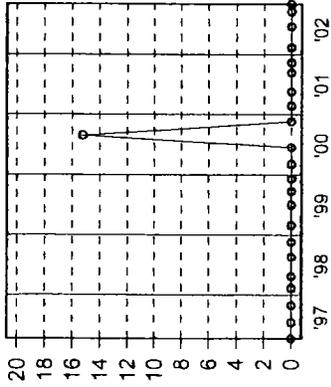
Chlorobenzene
(ug/l)



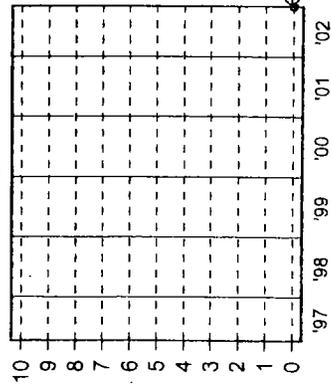
Methyl-tert-Butyl Ether
(ug/l)



Acetone
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 13 of 23, Graph

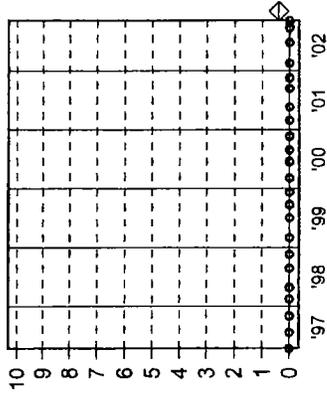


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FORT MONMOUTH
SELF-M-PW-EV

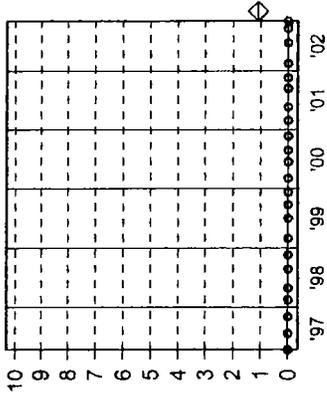
SOURCE: 19

Sampling Dates:
04/08/1997 - 11/04/2002

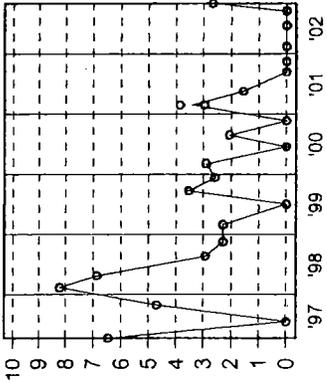
Tetrachloroethene
(ug/l)



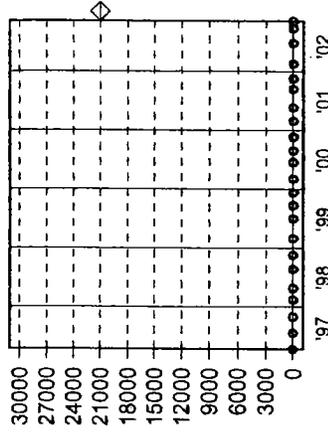
Trichloroethene
(ug/l)



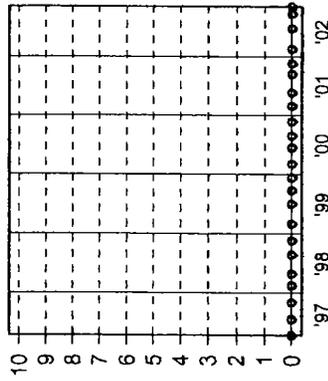
cis-1,2-Dichloroethene
(ug/l)



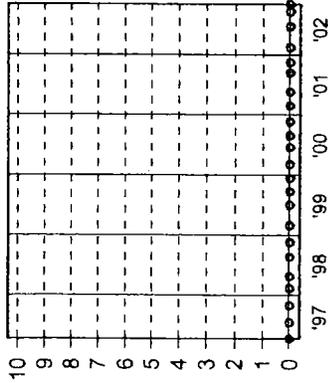
Chlorobenzene
(ug/l)



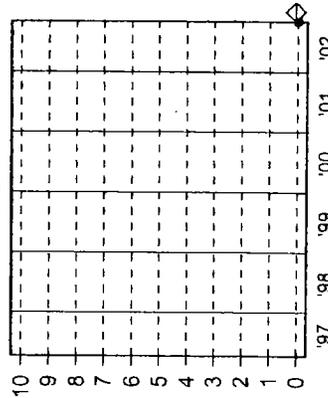
Methyl-tert-Butyl Ether
(ug/l)



Acetone
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 14 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
NJDEP Criteria:		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	
04/08/1997	FMETL	ND	1.09	0.388	ND	ND	21000	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND	2.63	ND		-
10/30/1997	FMETL	ND	ND	ND	ND	ND	ND		
02/10/1998	FMETL	ND	ND	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND	4.85	ND		
08/19/1998	FMETL	ND	ND	ND	ND	ND	ND		
11/17/1998	FMETL	ND	ND	ND	ND	ND	ND		
02/25/1999	FMETL	ND	ND	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND	5.70	ND		
09/21/1999	FMETL	ND	ND	ND	ND	2.10	ND		
12/09/1999	FMETL	ND	ND	ND	ND	ND	ND		
03/01/2000	FMETL	ND	ND	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND	6.38	ND		
08/24/2000	FMETL	ND	ND	ND	ND	2.58	ND		
11/20/2000	FMETL	ND	ND	ND	ND	ND	ND		-
02/21/2001	FMETL	ND	ND	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND	1.26	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P

SOURCE: 20

Sampling Dates:
04/08/1997 - 11/04/2002

NOTES:

Page 1 of 1
Stream 20 is Salt-Water.
Ethylben limit is 27900 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 15 of 23

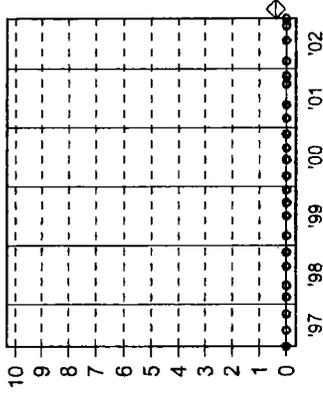


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FORT MONMOUTH
SELF-MONITORING PROGRAM

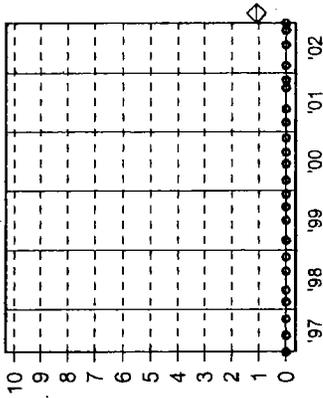
SOURCE: 20

Sampling Dates:
04/08/1997 - 11/04/2002

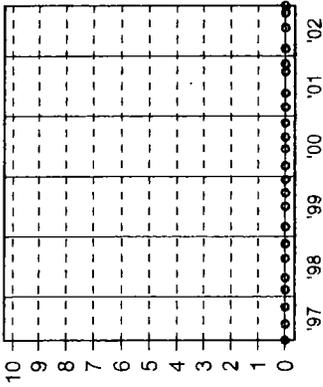
Tetrachloroethene
(ug/l)



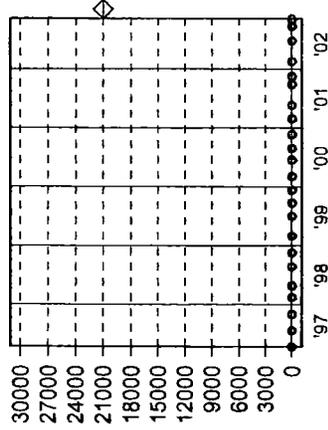
Trichloroethene
(ug/l)



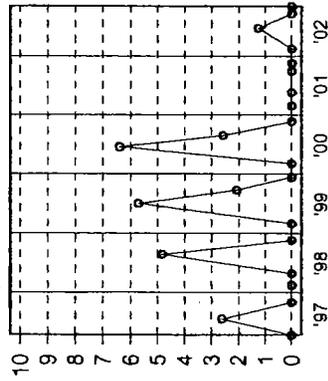
cis-1,2-Dichloroethene
(ug/l)



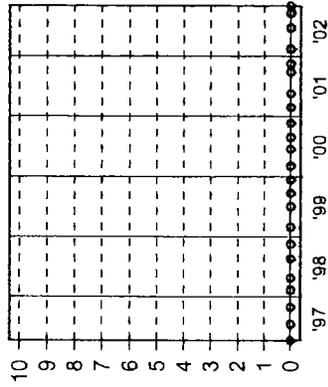
Chlorobenzene
(ug/l)



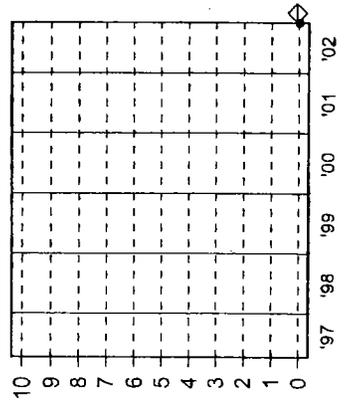
Methyl-tert-Butyl Ether
(ug/l)



Acetone
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP
Criteria

Fort Monmouth

GW Monitoring
Streams

Source 15 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	ND	1.09	0.388	-	-	21000	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND	ND	ND		
10/30/1997	FMETL	ND	ND	ND	ND	2.90	ND		
02/10/1998	FMETL	ND	ND	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	ND	4.71	ND		
11/17/1998	FMETL	ND	ND	ND	ND	ND	ND		
02/25/1999	FMETL	ND	ND	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND	7.40	ND		
09/21/1999	FMETL	1.17	ND	ND	ND	2.24	ND		
12/09/1999	FMETL	ND	ND	ND	27.52	ND	ND		
03/01/2000	FMETL	ND	ND	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	ND	4.56	2.67	ND		
11/20/2000	FMETL	ND	ND	ND	ND	ND	ND		-
02/21/2001	FMETL	ND	ND	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND	ND	ND		-
09/11/2001	FMETL	ND	ND	ND	ND	1.76	ND		-
11/14/2001	FMETL	ND	ND	ND	ND	ND	ND		V
02/11/2002	FMETL	ND	ND	ND	ND	ND	ND		V,P
06/18/2002	FMETL	ND	ND	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P

SOURCE: 21

Sampling Dates:
04/08/1997 - 11/04/2002

NOTES:

Page 1 of 1
Stream 21 is Salt-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 16 of 23

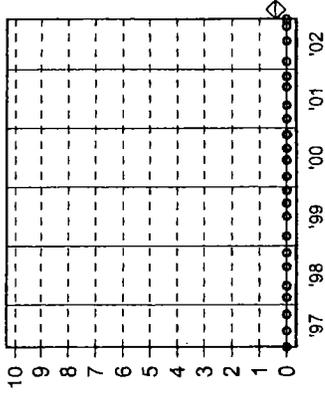


**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

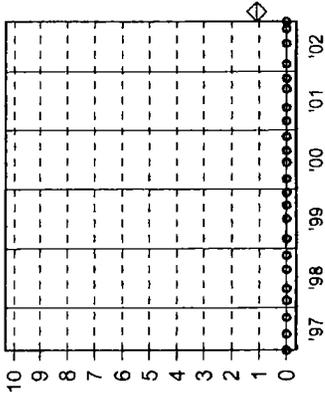
SOURCE: 21

Sampling Dates:
04/08/1997 - 11/04/2002

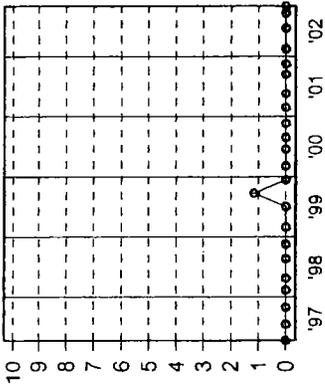
Tetrachloroethene (ug/l)



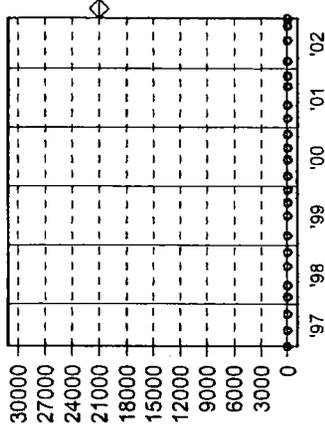
Trichloroethene (ug/l)



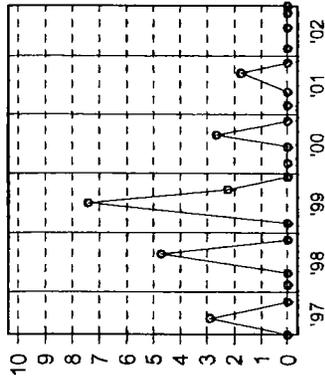
cis-1,2-Dichloroethene (ug/l)



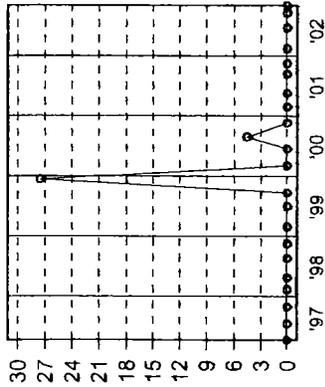
Chlorobenzene (ug/l)



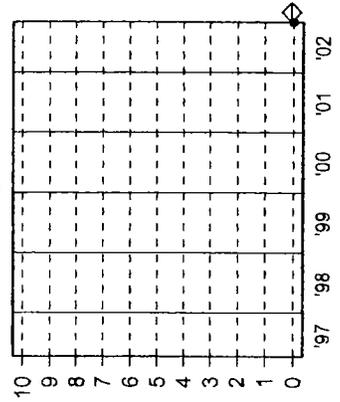
Methyl-tert-Butyl Ether (ug/l)



Acetone (ug/l)



Vinyl Chloride (ug/l)



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring Streams

Source 16 of 23, Graph



**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	ND	1.09	0.388	ND	ND	21000	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND	4.26	ND	ND	-
10/30/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	-
02/10/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	-
04/21/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	-
08/19/1998	FMETL	ND	ND	ND	ND	4.50	ND	ND	-
11/17/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	-
02/25/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	-
06/29/1999	FMETL	ND	ND	ND	ND	8.30	ND	ND	-
09/21/1999	FMETL	ND	ND	ND	ND	0.82	ND	ND	-
12/09/1999	FMETL	ND	ND	ND	32.77	ND	ND	ND	-
03/01/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	-
06/12/2000	FMETL	ND	ND	ND	ND	10.26	ND	ND	-
06/12/2000D	FMETL	ND	ND	ND	ND	10.66	ND	ND	-
08/24/2000	FMETL	ND	ND	ND	5.53	ND	ND	ND	-
11/20/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	-
02/21/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	-
05/16/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	V
09/11/2001	FMETL	ND	ND	ND	ND	3.53	ND	ND	-
11/14/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	-
02/11/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V
06/18/2002	FMETL	ND	ND	ND	ND	2.12	ND	ND	V,P
09/18/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P

SOURCE: 22

Sampling Dates:

04/08/1997 - 11/04/2002

NOTES:

Page 1 of 1

Stream 22 is Salt-Water.

Acetone limit is NLE.

MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 17 of 23



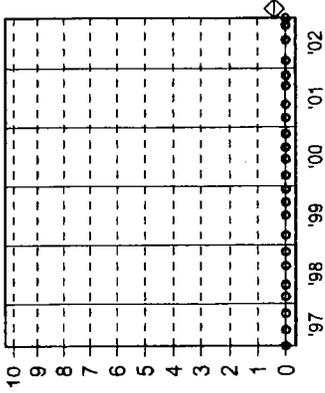
U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 22

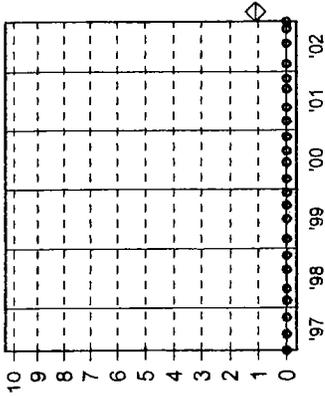
Sampling Dates:

04/08/1997 - 11/04/2002

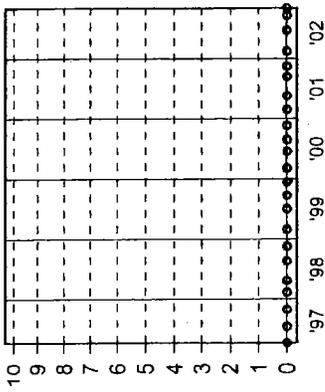
Tetrachloroethene (ug/l)



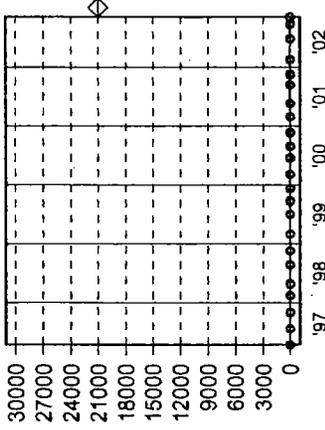
Trichloroethene (ug/l)



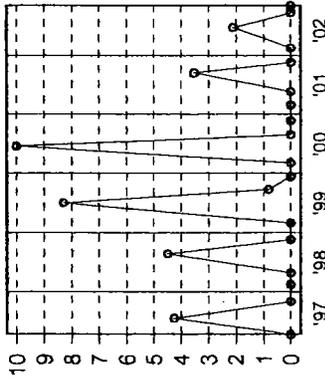
cis-1,2-Dichloroethene (ug/l)



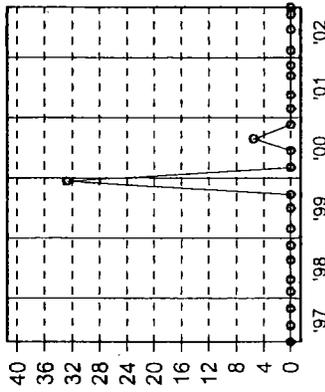
Chlorobenzene (ug/l)



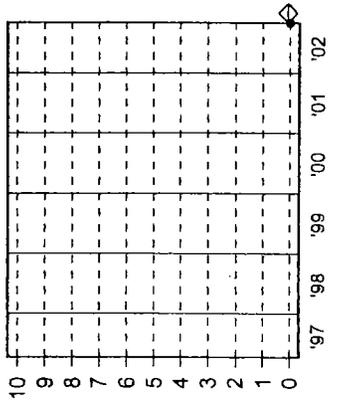
Methyl-tert-Butyl Ether (ug/l)



Acetone (ug/l)



Vinyl Chloride (ug/l)



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring Streams

Source 17 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 23
 Sampling Dates:
 06/12/2000 - 11/05/2002

Page 1 of 1
 Stream 23 is Fresh-Water

NOTES:

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
06/12/2000	FMETL	ND	1.09	0.388	-	-	21000	0.093	-
08/24/2000	FMETL	2.24	ND	5.60	ND	ND	ND		
11/20/2000	FMETL	ND	1.82	5.18	ND	ND	ND		
03/08/2001	FMETL	ND	ND	6.29	ND	ND	ND		-
05/16/2001	FMETL	1.73	ND	4.78	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	6.41	ND	ND	ND		-
11/14/2001	FMETL	3.23	ND	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	3.64	ND	ND	ND		V
06/18/2002	FMETL	1.58	ND	2.85	ND	ND	ND		V,P
09/18/2002	FMETL	2.49	ND	2.88	ND	ND	ND		V,P
11/05/2002	FMETL	ND	ND	1.44	ND	ND	ND	ND	V,P

Fort Monmouth

GW Monitoring
Streams

Source 18 of 23



Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
NJDEP Criteria:	-	-	1.09	0.388	-	-	21000	0.083	-
06/12/2000	FMETL	ND	ND	4.72	ND	ND	ND	ND	-
08/24/2000	FMETL	1.54	1.41	4.33	ND	ND	ND	ND	-
11/20/2000	FMETL	ND	ND	4.41	ND	ND	ND	ND	-
03/08/2001	FMETL	ND	ND	4.76	ND	ND	ND	ND	-
05/16/2001	FMETL	1.37	ND	5.12	ND	ND	ND	ND	-
09/25/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	-
11/14/2001	FMETL	3.11	ND	3.28	ND	ND	ND	ND	-
02/11/2002	FMETL	ND	ND	2.69	ND	ND	ND	ND	V
06/18/2002	FMETL	1.60	ND	2.74	ND	ND	ND	ND	V,P
09/18/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P
11/05/2002	FMETL	ND	ND	1.64	ND	ND	ND	ND	V,P

SOURCE: 24

Sampling Dates:

06/12/2000 - 11/05/2002

NOTES:

Page 1 of 2

Stream 24 is Fresh-Water

Fort Monmouth

GW Monitoring
Streams

Source 19 of 23

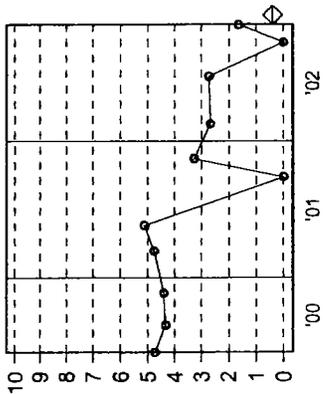


U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

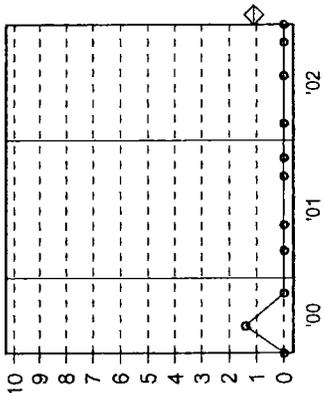
SOURCE: 24

Sampling Dates:
06/12/2000 - 11/05/2002

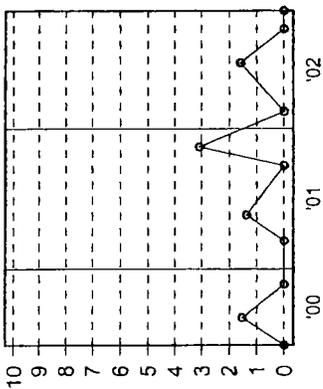
Tetrachloroethene (ug/l)



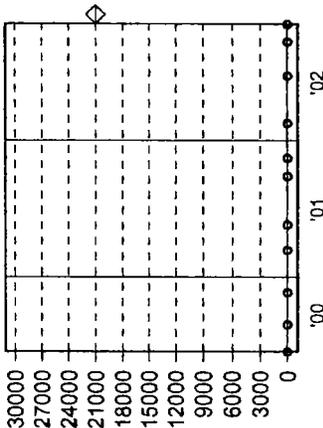
Trichloroethene (ug/l)



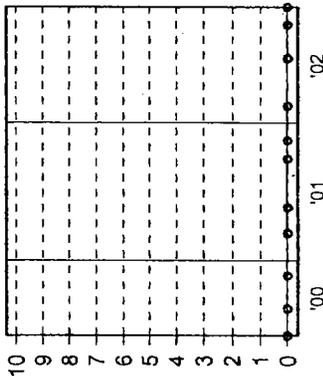
cis-1,2-Dichloroethene (ug/l)



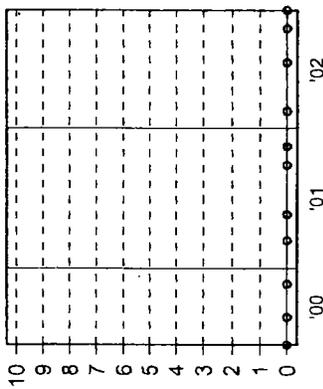
Chlorobenzene (ug/l)



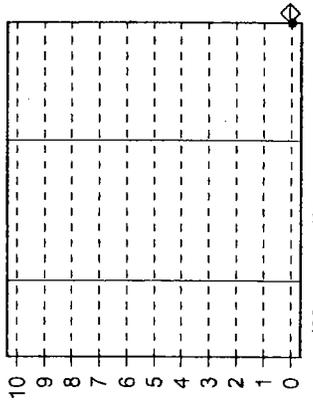
Methyl-tert-Butyl Ether (ug/l)



Acetone (ug/l)



Vinyl Chloride (ug/l)



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring Streams

Source 19 of 23, Graph



**U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV**

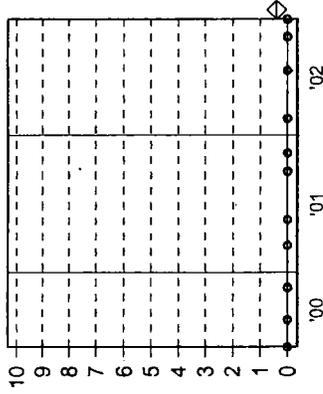
SOURCE: 25	
Sampling Dates: 06/12/2000 - 11/04/2002	
NOTES: Page 1 of 1 Stream 25 is Salt-Water.	
Fort Monmouth	
GW Monitoring Streams	
Source 20 of 23	
 U.S. ARMY FORT MONMOUTH SELF-M-PW-EV	

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	-	1.09	0.388	-	-	21000	0.083	-
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND	ND	ND		-
03/08/2001	FMETL	ND	ND	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND	ND	1.50		V,P
09/18/2002	FMETL	ND	ND	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P

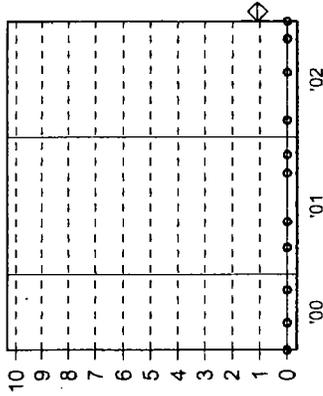
SOURCE: 25

Sampling Dates:
06/12/2000 - 11/04/2002

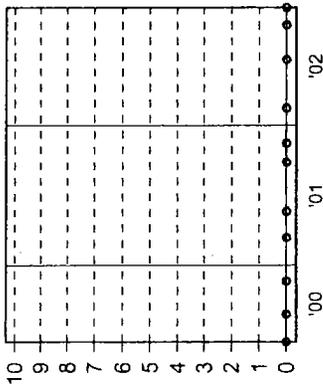
Tetrachloroethene
(ug/l)



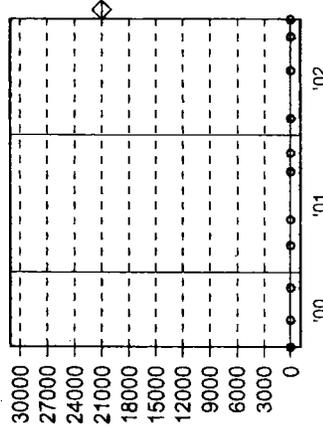
Trichloroethene
(ug/l)



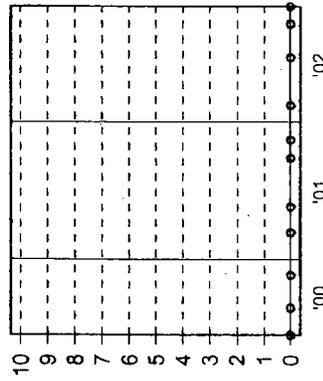
cis-1,2-Dichloroethene
(ug/l)



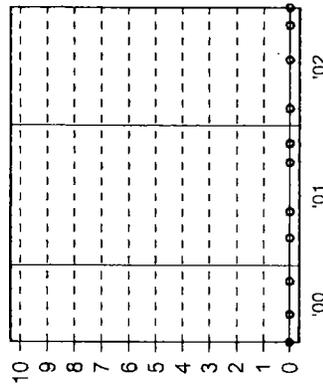
Chlorobenzene
(ug/l)



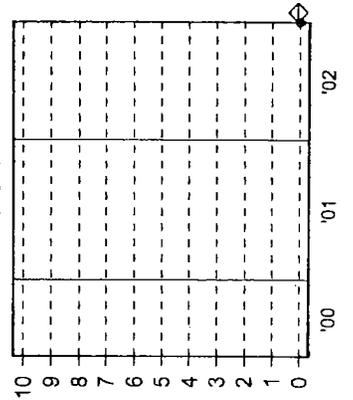
Methyl-tert-Butyl Ether
(ug/l)



Acetone
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 20 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

SOURCE: 26
 Sampling Dates:
 06/12/2000 - 11/04/2002

NOTES:
 Page 1 of 1
 Stream 26 is Fresh-Water

Fort Monmouth

GW Monitoring
 Streams

Source 21 of 23

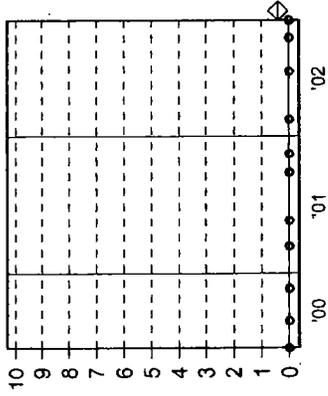
U.S. ARMY
 FORT MONMOUTH
 SELFM-PW-EV

Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	1.09	0.388	-	-	21000	0.083	-
06/12/2000	FMETL ND	ND	ND	ND	ND	ND	ND	-
08/24/2000	FMETL ND	ND	ND	ND	ND	ND	ND	-
11/20/2000	FMETL ND	ND	ND	ND	ND	ND	ND	-
03/08/2001	FMETL ND	ND	ND	ND	ND	ND	ND	-
05/16/2001	FMETL ND	ND	ND	ND	ND	ND	ND	-
09/25/2001	FMETL ND	ND	ND	ND	ND	ND	ND	-
11/14/2001	FMETL ND	ND	ND	ND	ND	ND	ND	-
02/11/2002	FMETL ND	ND	ND	ND	ND	ND	ND	V
06/18/2002	FMETL ND	ND	ND	ND	ND	1.47	ND	V,P
09/18/2002	FMETL ND	ND	ND	ND	ND	ND	ND	V,P
11/04/2002	FMETL ND	ND	ND	ND	ND	ND	ND	V,P

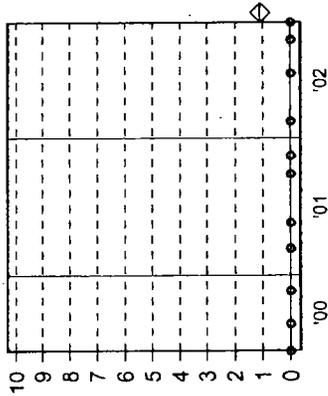
SOURCE: 26

Sampling Dates:
06/12/2000 - 11/04/2002

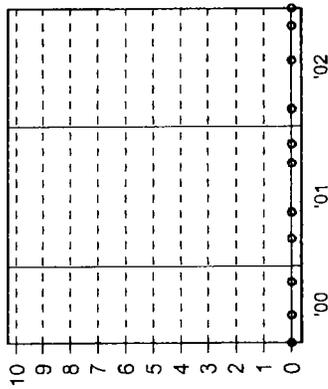
Tetrachloroethene (ug/l)



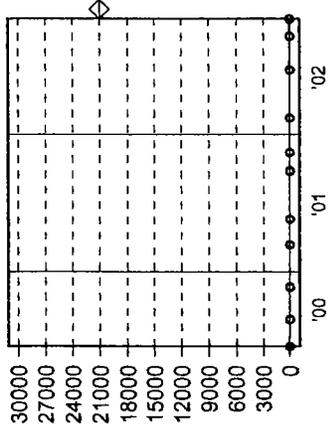
Trichloroethene (ug/l)



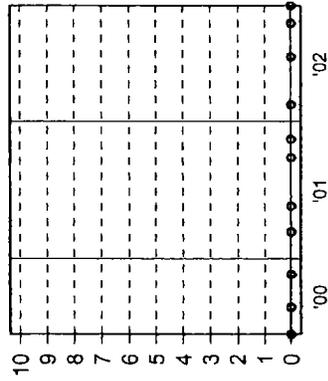
cis-1,2-Dichloroethene (ug/l)



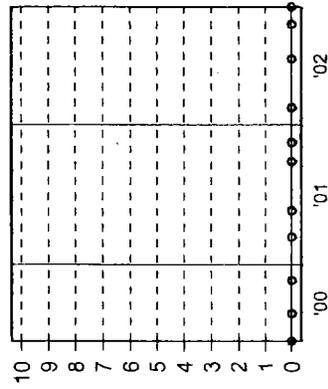
Chlorobenzene (ug/l)



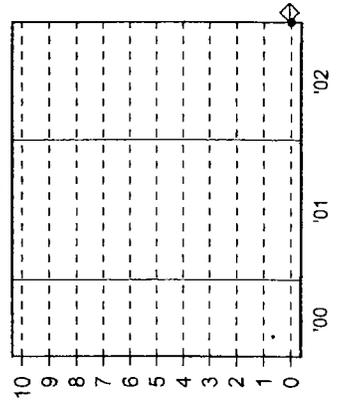
Methyl-tert-Butyl Ether (ug/l)



Acetone (ug/l)



Vinyl Chloride (ug/l)



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring Streams

Source 21 of 23, Graph



**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

SOURCE: 27
 Sampling Dates:
 06/12/2000 - 11/04/2002

NOTES:
 Page 1 of 1
 Stream 27 is Salt Water.

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
06/12/2000	FMETL	ND	1.09	0.388	-	-	21000	0.083	-
08/24/2000	FMETL	ND	ND	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	1.72	ND	ND	ND		
03/08/2001	FMETL	ND	ND	1.87	ND	ND	ND		
05/16/2001	FMETL	ND	ND	ND	ND	ND	ND		
09/25/2001	FMETL	ND	ND	ND	ND	ND	ND		
11/14/2001	FMETL	ND	ND	ND	ND	ND	ND		
02/11/2002	FMETL	ND	ND	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P

Fort Monmouth

GW Monitoring
Streams

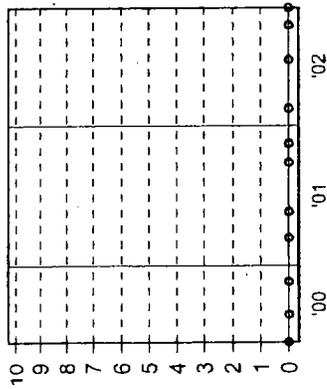
Source 22 of 23



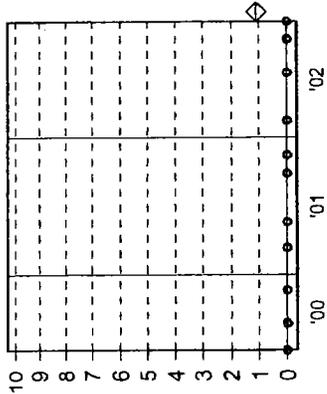
SOURCE: 27

Sampling Dates:
06/12/2000 - 11/04/2002

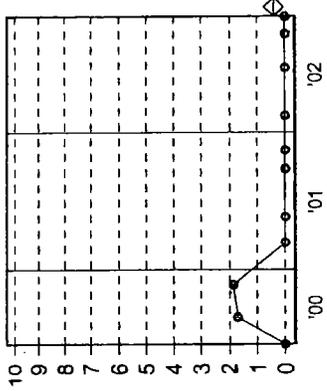
cis-1,2-Dichloroethene (ug/l)



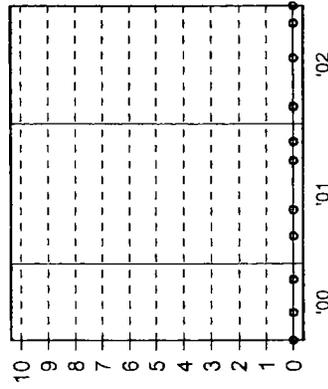
Trichloroethene (ug/l)



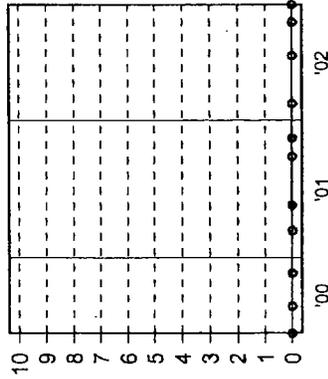
Tetrachloroethene (ug/l)



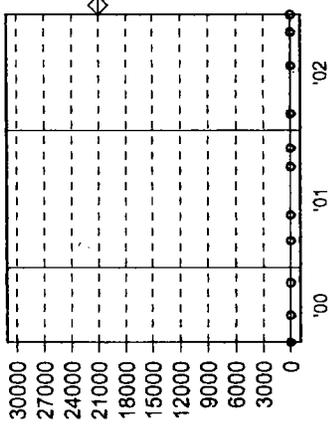
Acetone (ug/l)



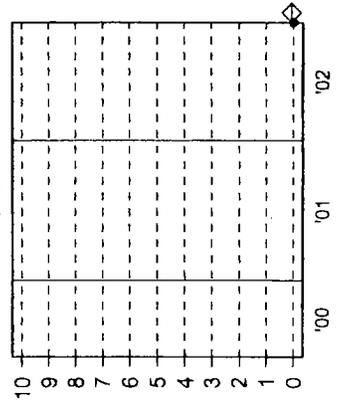
Methyl-tert-Butyl Ether (ug/l)



Chlorobenzene (ug/l)



Vinyl Chloride (ug/l)



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring Streams

Source 22 of 23, Graph



**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
06/12/2000	FMETL	ND	1.09	0.388	-	-	21000	0.083	-
08/24/2000	FMETL	1.28	1.07	3.67	ND	ND	ND	ND	-
11/20/2000	FMETL	ND	ND	3.60	ND	ND	ND	ND	-
03/08/2001	FMETL	ND	ND	2.56	ND	ND	ND	ND	-
05/16/2001	FMETL	ND	ND	2.77	ND	ND	ND	ND	-
09/25/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	-
11/14/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	-
02/11/2002	FMETL	ND	ND	1.55	ND	ND	ND	ND	V
06/18/2002	FMETL	ND	ND	1.99	ND	ND	ND	ND	V,P
09/18/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	V,P

SOURCE: 28

Sampling Dates:

06/12/2000 - 11/04/2002

NOTES:

Page 1 of 1
Stream 28 is Salt-Water
cis-1,2-Dichloroethene limit is NLE
TCE limit is 81
PCE limit is 4.29

Fort Monmouth

GW Monitoring
Streams

Source 23 of 23

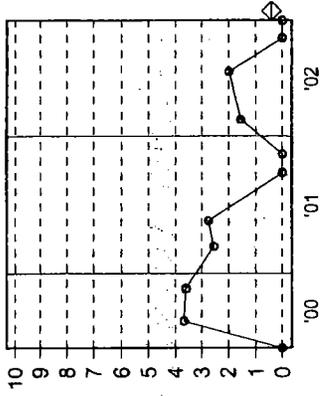


U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

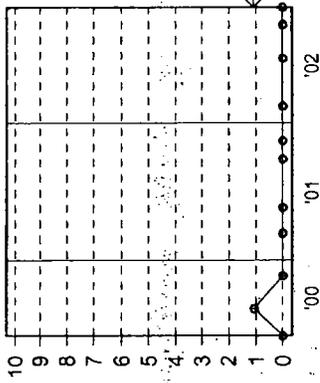
SOURCE: 28

Sampling Dates:
06/12/2000 - 11/04/2002

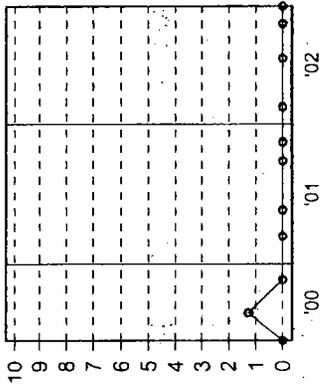
Tetrachloroethene
(ug/l)



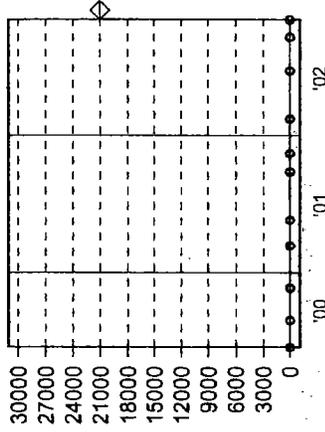
Trichloroethene
(ug/l)



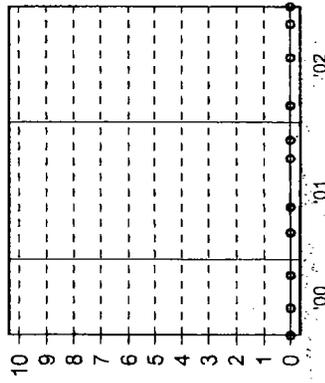
cis-1,2-Dichloroethene
(ug/l)



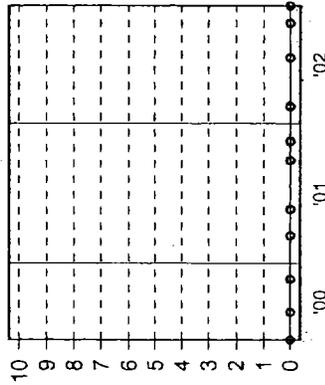
Chlorobenzene
(ug/l)



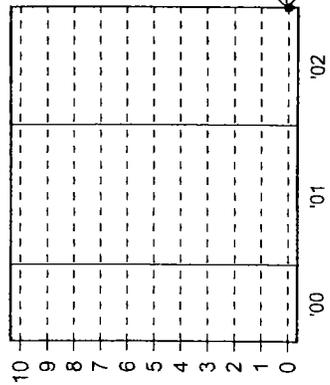
Methyl-tert-Butyl Ether
(ug/l)



Acetone
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 23 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732) 532-6224 FAX: (732) 532-6263

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

CERTIFICATIONS: NJDEP #13461, NYSDOH #11699



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 1st QTR/03 Streams

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site #22	3011804	Aqueous	13-Mar-03 08:16	03/13/03
Stream Site #21	3011805	Aqueous	13-Mar-03 08:25	03/13/03
Stream Site #20	3011806	Aqueous	13-Mar-03 08:33	03/13/03
Stream Site #09	3011807	Aqueous	13-Mar-03 08:48	03/13/03
Stream Site #19	3011808	Aqueous	13-Mar-03 08:57	03/13/03
Stream Site #12	3011809	Aqueous	13-Mar-03 09:10	03/13/03
Stream Site #18	3011810	Aqueous	13-Mar-03 09:17	03/13/03
Stream Site #11	3011811	Aqueous	13-Mar-03 09:23	03/13/03
Stream Site #24	3011812	Aqueous	13-Mar-03 09:40	03/13/03
Stream Site #16	3011813	Aqueous	13-Mar-03 09:53	03/13/03
Stream Site #27	3011814	Aqueous	13-Mar-03 10:07	03/13/03
Stream Site #07	3011815	Aqueous	13-Mar-03 10:24	03/13/03
Stream Site #28	3011816	Aqueous	13-Mar-03 10:52	03/13/03
Stream Site #04	3011817	Aqueous	13-Mar-03 10:31	03/13/03
Stream Site #05	3011818	Aqueous	13-Mar-03 11:03	03/13/03
Stream Site #15	3013404	Aqueous	24-Mar-03 08:15	03/24/03
Stream Site #23	3013405	Aqueous	24-Mar-03 08:34	03/24/03
Stream Site #25	3013406	Aqueous	24-Mar-03 08:50	03/24/03
Stream Site #17	3013407	Aqueous	24-Mar-03 09:06	03/24/03
Stream Site #26	3013408	Aqueous	24-Mar-03 09:27	03/24/03
Stream Site #03	3013409	Aqueous	24-Mar-03 09:39	03/24/03
Stream Site #14	3013410	Aqueous	24-Mar-03 09:46	03/24/03
Stream Site #13	3013411	Aqueous	24-Mar-03 09:55	03/24/03

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, PCB's, WET CHEMISTRY

 5-5-03
Daniel Wright/Date
Laboratory Director

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST METALS	Standard Methods, 18th ed.
Aluminum	3120B
Antimony	3120B
Arsenic	3120B
Barium	3120B
Beryllium	3120B
Cadmium	3120B
Calcium	3120B
Chromium	3120B
Cobalt	3120B
Copper	3120B
Iron	3120B
Lead	3120B
Magnesium	3120B
Manganese	3120B
Mercury	3112B
Nickel	3120B
Potassium	3120B
Selenium	3120B
Silver	3120B
Sodium	3120B
Thallium	3120B
Vanadium	3120B
Zinc	3120B

PARAMETER	REFERENCE
TARGET COMPOUND LIST ORGANICS	Federal Register 40 CFR Part 136 Appendix A
Base/Neutral and Acid Extractables by GC/MS	625
Purgeable Organics by GC/MS	624
Pesticide and PCB by GC	608

Fort Monmouth Environmental Testing Laboratory

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

Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: J. FAYON		Project No:		Analysis Parameters		Comments:	
Phone #: 609-223-2223		Location: Stream's St Qtr '03		NH ₃ /NO ₂		Remarks / Preservation Method	
() DERA () OMA () Other:		Sample #		T.C.D.		Temp (°C)	
Samplers Name / Company: Core, M. Lormache, TIS		Type bottles		Fol/Sol		PH (6.0)	
LIMS/Work Order #	Sample Location	Date	Time	✓	✓	✓	✓
30118 01	Trip	3/13/03	0759	✓	✓	7.57	8.91
02	Field Blank		0800	✓	✓	7.76	9.71
03	Dupe			✓	✓	7.79	8.57
04	Stream site # 22*		0816	✓	✓	5.74	6.41
05	# 21		0827	✓	✓	6.32	5.76
06	# 20		0833	✓	✓	6.12	6.52
07	# 09		0848	✓	✓	6.21	7.18
08	# 19		0857	✓	✓	6.40	8.33
09	# 12		0910	✓	✓	6.10	7.4
10	# 18		0917	✓	✓	6.18	7.37
11	# 11		0923	✓	✓	6.33	6.90
12	# 15		0940	✓	✓		
13	# 23		0953	✓	✓		
14	# 27		1007	✓	✓		
Relinquished by (signature): Corey McLanahan		Date/Time: 3/13/03 1000		Relinquished by (signature): J. Fayon		Date/Time: 3/13/03 1000	
Relinquished by (signature):		Date/Time:		Relinquished by (signature):		Date/Time:	
Report Type: () Full, () Reduced, () Standard, () Screen / non-certified, () EDD				Remarks: Tide: H → outgoing			
Turnaround time: () Standard 3 wks, () Rush Days, () ASAP Verbal Hrs.							

Fort Monmouth Environmental Testing Laboratory

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

Tel (732)532-4359 Fax (732)532-6263 Email:wrightd@mail1.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: <u>J. F. [Signature]</u>		Project No:		Analysis Parameters		Comments:	
Phone #: <u>401-222-2223</u>		Location: <u>Streams</u>		NH ₃ /N ₃		HCL/HNO ₃ /H ₂ SO ₄	
() DERA () OMA () Other: _____		Date: <u>3/24/03</u>		PO ₄ /SO ₄		24°C	
Samplers Name / Company: <u>Carey McCormack, TUS</u>		Time: _____		PCB		Remarks / Preservation Method	
LIMS/Work Order #		Sample Location		T.Cel:			
<u>30134</u>		<u>Trip</u>		<u>—</u>		<u>Salinity</u>	
<u>02</u>		<u>Field Blank</u>		<u>—</u>		<u>—</u>	
<u>03</u>		<u>Dye</u>		<u>—</u>		<u>—</u>	
<u>04</u>		<u>Stream site #15</u>		<u>—</u>		<u>—</u>	
<u>05</u>		<u>#23</u>		<u>—</u>		<u>—</u>	
<u>06</u>		<u>#25</u>		<u>—</u>		<u>—</u>	
<u>07</u>		<u>#17</u>		<u>—</u>		<u>—</u>	
<u>08</u>		<u>#26</u>		<u>—</u>		<u>—</u>	
<u>09</u>		<u>#03</u>		<u>—</u>		<u>—</u>	
<u>10</u>		<u>#14</u>		<u>—</u>		<u>—</u>	
<u>11</u>		<u>#13</u>		<u>—</u>		<u>—</u>	
Relinquished by (signature): <u>Carey McCormack</u>		Date/Time: <u>3/24/03 11:15</u>		Relinquished by (signature):		Date/Time:	
Relinquished by (signature):		Date/Time:		Relinquished by (signature):		Date/Time:	
Report Type: () Full, () Reduced, (X) Standard, () Screen / non-certified, () JEDD		Turnaround time: (X) Standard 3 wks, () Rush		Days: _____		Hrs: _____	
Remarks: <u>Tide: High -> outgoing</u>							

VOLATILE ORGANICS

**US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461**

Definition of Qualifiers

MDL	:	Method Detection Limit
J	:	Compound identified below detection limit
B	:	Compound found in blank
D	:	Results are from a dilution of the sample
U	:	Compound searched for but not detected
E	:	Compound exceeds calibration limit
PQL	:	Practical Quantitation Limit
NLE	:	No limit established
RT	:	Retention time

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

Data File **VB013378.D**
 Operator **Skelton**
 Date Acquired **2 Apr 2003 4:41 pm**

Sample Name **MB 02Apr03**
 Field ID **MB 02Apr03**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6 2Sept-97

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
 R.L. = Reporting Limit

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

Data File **VB013378.D**
 Operator **Skelton**
 Date Acquired **2 Apr 2003 4:41 pm**

Sample Name **MB 02Apr03**
 Field ID **MB 02Apr03**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.06	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.70	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.40	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	0.27	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.19	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m-p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9B-1.14 18-May-98

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

MB 02Apr03

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30134 Location: 1stQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: MB 02Apr03
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013378.D
Level: (low/med) LOW Date Received: 3/24/2003
% Moisture: not dec. _____ Date Analyzed: 4/2/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013233.D**
 Operator **Skelton**
 Date Acquired **19 Mar 2003 12:39 pm**

Sample Name **MB 19Mar03**
 Field ID **MB 19Mar03**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.06	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.70	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.40	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	0.27	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.19	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9B-1.14 18-May-98

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
 R.L. = Reporting Limit

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

Data File **VB013233.D**
 Operator **Skelton**
 Date Acquired **19 Mar 2003 12:39 pm**

Sample Name **MB 19Mar03**
 Field ID **MB 19Mar03**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6 2Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

MB 19Mar03

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 30118 Location: 1stQtr SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: MB 19Mar03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013233.D

Level: (low/med) LOW Date Received: 3/13/2003

% Moisture: not dec. _____ Date Analyzed: 3/19/2003

GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013238.D**
 Operator **Skelton**
 Date Acquired **19 Mar 2003 4:03 pm**

Sample Name **3011801**
 Field ID **Trip Blank**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.06	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.70	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.40	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.60	272328	3.22 ug/L	5.67	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	0.27	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.19	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,1,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9B-1.14 18-May-98

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
 R.L. = Reporting Limit

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

Data File **VB013238.D**
 Operator **Skelton**
 Date Acquired **19 Mar 2003 4:03 pm**

Sample Name **3011801**
 Field ID **Trip Blank**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.60	272328	3.22 ug/L	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6 2Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 30118 Location: 1stQtr SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3011801

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013238.D

Level: (low/med) LOW Date Received: 3/13/2003

% Moisture: not dec. _____ Date Analyzed: 3/19/2003

GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013383.D**
 Operator **Skelton**
 Date Acquired **2 Apr 2003 8:02 pm**

Sample Name **3013401**
 Field ID **Trip Blank**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.61	170098	3.35 ug/L	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6 2Sept-97

Qualifiers

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

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

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

Data File **VB013383.D**
 Operator **Skelton**
 Date Acquired **2 Apr 2003 8:02 pm**

Sample Name **3013401**
 Field ID **Trip Blank**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.06	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.70	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.40	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.61	170098	3.35 ug/L	5.67	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	0.27	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.19	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9B-1.14 18-May-98

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
 R.L. = Reporting Limit

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 30134 Location: 1stQtr' SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3013401

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013383.D

Level: (low/med) LOW Date Received: 3/24/2003

% Moisture: not dec. _____ Date Analyzed: 4/2/2003

GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013239.D**
 Operator **Skelton**
 Date Acquired **19 Mar 2003 4:43 pm**

Sample Name **3011802**
 Field ID **Field Blank**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.06	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.70	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.40	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride	11.06	215113	4.91 ug/L	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.59	347091	4.11 ug/L	5.67	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	0.27	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.19	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9B-1.14 18-May-98

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
 R.L. = Reporting Limit

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

Data File **VB013239.D**
 Operator **Skelton**
 Date Acquired **19 Mar 2003 4:43 pm**

Sample Name **3011802**
 Field ID **Field Blank**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride	11.06	215113	4.91 ug/L	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.59	347091	4.11 ug/L	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6 2Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30118 Location: 1stQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3011802
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013239.D
Level: (low/med) LOW Date Received: 3/13/2003
% Moisture: not dec. _____ Date Analyzed: 3/19/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013384.D**
 Operator **Skelton**
 Date Acquired **2 Apr 2003 8:42 pm**

Sample Name **3013402**
 Field ID **Field Blank**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.60	175431	3.38 ug/L	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6 2Sept-97

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
 R.L. = Reporting Limit

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

Data File **VB013384.D**
 Operator **Skelton**
 Date Acquired **2 Apr 2003 8:42 pm**

Sample Name **3013402**
 Field ID **Field Blank**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.06	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.70	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.40	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.60	175431	3.38 ug/L	5.67	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	0.27	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.19	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9B-1.14 18-May-98

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30134 Location: 1stQtr' SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3013402
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013384.D
Level: (low/med) LOW Date Received: 3/24/2003
% Moisture: not dec. _____ Date Analyzed: 4/2/2003
GC Column: RTX502. 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013240.D**
 Operator **Skelton**
 Date Acquired **19 Mar 2003 5:23 pm**

Sample Name **3011803**
 Field ID **Dupe**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.06	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.70	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.40	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone	9.34	44865	2.42 ug/L	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.58	87445	1.52 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	0.27	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.19	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values
 *Water Quality Criteria as per NJAC 7:9B-1.14 18-May-98

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
 R.L. = Reporting Limit

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

Data File **VB013240.D**
 Operator **Skelton**
 Date Acquired **19 Mar 2003 5:23 pm**

Sample Name **3011803**
 Field ID **Dupe**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone	9.34	44865	2.42 ug/L	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.58	87445	1.52 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6 2Sept-97.

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Dupe

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30118 Location: 1stQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3011803
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013240.D
Level: (low/med) LOW Date Received: 3/13/2003
% Moisture: not dec. _____ Date Analyzed: 3/19/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013385.D**
 Operator **Skelton**
 Date Acquired **2 Apr 2003 9:23 pm**

Sample Name **3013403**
 Field ID **Dupe**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6 2Sept-97

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
 R.L. = Reporting Limit

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

Data File VB013385.D
 Operator Skelton
 Date Acquired 2 Apr 2003 9:23 pm

Sample Name 3013403
 Field ID Dupe
 Sample Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.06	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.70	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.40	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	0.27	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.19	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9B-1.14 18-May-98

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Dupe

Lab Name: FMETL Project: Streams
 NJDEP#: 13461 Case No.: 30134 Location: 1stQtr' SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3013403
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013385.D
 Level: (low/med) LOW Date Received: 3/24/2003
 % Moisture: not dec. _____ Date Analyzed: 4/2/2003
 GC Column: RTX502. 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013391.D**
 Operator **Skelton**
 Date Acquired **3 Apr 2003 1:23 am**

Sample Name **3013409**
 Field ID **StreamSite#03**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.06	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.70	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.40	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	0.27	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.19	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9B-1.14 18-May-98

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#03

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30134 Location: 1stQtr' SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3013409
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013391.D
Level: (low/med) LOW Date Received: 3/24/2003
% Moisture: not dec. _____ Date Analyzed: 4/3/2003
GC Column: RTX502. 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File VB013254.D
 Operator Skelton
 Date Acquired 20 Mar 2003 2:42 am

Sample Name 3011817
 Field ID StreamSite#04
 Sample Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.57	26299	0.57 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene	19.82	18660	0.51 ug/L	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.46	85634	2.33 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6 2Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#04

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30118 Location: 1stQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3011817
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013254.D
Level: (low/med) LOW Date Received: 3/13/2003
% Moisture: not dec. _____ Date Analyzed: 3/20/2003
GC Column: RTX502. 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File VB013255.D
 Operator Skelton
 Date Acquired 20 Mar 2003 3:21 am

Sample Name 3011818
 Field ID StreamSite#05
 Sample Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.57	36932	0.81 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene	19.83	25426	0.71 ug/L	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.46	113759	3.08 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6 2Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#05

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30118 Location: 1stQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3011818
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013255.D
Level: (low/med) LOW Date Received: 3/13/2003
% Moisture: not dec. _____ Date Analyzed: 3/20/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013252.D**
 Operator **Skelton**
 Date Acquired **20 Mar 2003 1:22 am**

Sample Name **3011815**
 Field ID **StreamSite#07**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.46	61445	1.61 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6 2Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#07

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30118 Location: 1stQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3011815
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013252.D
Level: (low/med) LOW Date Received: 3/13/2003
% Moisture: not dec. _____ Date Analyzed: 3/20/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013244.D**
 Operator **Skelton**
 Date Acquired **19 Mar 2003 8:03 pm**

Sample Name **3011807**
 Field ID **StreamSite#09**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.57	489889	9.40 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6 2Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#09

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30118 Location: 1stQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3011807
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013244.D
Level: (low/med) LOW Date Received: 3/13/2003
% Moisture: not dec. _____ Date Analyzed: 3/19/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File VB013248.D
 Operator Skelton
 Date Acquired 19 Mar 2003 10:43 pm

Sample Name 3011811
 Field ID StreamSite#11
 Sample Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.06	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.04	65247	0.79 ug/L	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.70	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	4.81	146976	3.37 ug/L	0.08	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.40	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.57	1239705	24.28 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene	19.81	26355	0.67 ug/L	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	0.27	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.19	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9B-1.14 18-May-98

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#11

Lab Name: FMETL Project: Streams
 NJDEP#: 13461 Case No.: 30118 Location: 1stQtr SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3011811
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013248.D
 Level: (low/med) LOW Date Received: 3/13/2003
 % Moisture: not dec. _____ Date Analyzed: 3/19/2003
 GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File VB013246.D
 Operator Skelton
 Date Acquired 19 Mar 2003 9:23 pm

Sample Name 3011809
 Field ID StreamSite#12
 Sample Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.06	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.02	96643	1.18 ug/L	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.70	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	4.82	56058	1.30 ug/L	0.08	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.40	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.56	477646	9.43 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	0.27	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.19	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9B-1.14 18-May-98

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#12

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30118 Location: 1stQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3011809
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013246.D
Level: (low/med) LOW Date Received: 3/13/2003
% Moisture: not dec. _____ Date Analyzed: 3/19/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013393.D**
 Operator **Skelton**
 Date Acquired **3 Apr 2003 2:44 am**

Sample Name **3013411**
 Field ID **StreamSite#13**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.06	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.70	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.40	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	0.27	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.19	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9B-1.14 18-May-98

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
 R.L. = Reporting Limit

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#13

Lab Name: FMETL Project: Streams
 NJDEP#: 13461 Case No.: 30134 Location: 1stQtr SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3013411
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013393.D
 Level: (low/med) LOW Date Received: 3/24/2003
 % Moisture: not dec. _____ Date Analyzed: 4/3/2003
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/LNumber 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 **VB013392.D**
 Operator **Skelton**
 Date Acquired **3 Apr 2003 2:03 am**

Sample Name **3013410**
 Field ID **StreamSite#14**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.06	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.70	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.40	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	0.27	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.19	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9B-1.14 18-May-98

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#14

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30134 Location: 1stQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3013410
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013392.D
Level: (low/med) LOW Date Received: 3/24/2003
% Moisture: not dec. _____ Date Analyzed: 4/3/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013386.D**
 Operator **Skelton**
 Date Acquired **2 Apr 2003 10:03 pm**

Sample Name **3013404**
 Field ID **StreamSite#15**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.06	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.70	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.40	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.56	51178	1.44 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene	19.83	31491	1.11 ug/L	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	0.27	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.19	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.46	119363	3.96 ug/L	0.39	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9B-1.14 18-May-98

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#15

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30134 Location: 1stQtr' SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3013404
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013386.D
Level: (low/med) LOW Date Received: 3/24/2003
% Moisture: not dec. _____ Date Analyzed: 4/2/2003
GC Column: RTX502. 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013250.D**
 Operator **Skelton**
 Date Acquired **20 Mar 2003 12:03 am**

Sample Name **3011813**
 Field ID **StreamSite#16**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.56	43662	0.90 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene	19.83	28352	0.74 ug/L	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.46	125930	3.21 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6 2Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#16

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30118 Location: 1stQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3011813
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013250.D
Level: (low/med) LOW Date Received: 3/13/2003
% Moisture: not dec. _____ Date Analyzed: 3/20/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File VB013389.D
 Operator Skelton
 Date Acquired 3 Apr 2003 12:03 am

Sample Name 3013407
 Field ID StreamSite#17
 Sample Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6 2Sept-97

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
 R.L. = Reporting Limit

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#17

Lab Name: FMETL Project: Streams
 NJDEP#: 13461 Case No.: 30134 Location: 1stQtr' SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3013407
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013389.D
 Level: (low/med) LOW Date Received: 3/24/2003
 % Moisture: not dec. _____ Date Analyzed: 4/3/2003
 GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File VB013247.D
 Operator Skelton
 Date Acquired 19 Mar 2003 10:03 pm

Sample Name 3011810
 Field ID StreamSite#18
 Sample Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.06	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.04	56208	0.67 ug/L	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.70	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	4.81	102888	2.33 ug/L	0.08	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.40	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.57	915527	17.75 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene	19.82	20702	0.52 ug/L	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	0.27	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.19	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9B-1.14 18-May-98

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#18

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30118 Location: 1stQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3011810
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013247.D
Level: (low/med) LOW Date Received: 3/13/2003
% Moisture: not dec. _____ Date Analyzed: 3/19/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013245.D**
 Operator **Skelton**
 Date Acquired **19 Mar 2003 8:44 pm**

Sample Name **3011808**
 Field ID **StreamSite#19**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	4.80	71594	1.61 ug/L	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.57	699827	13.43 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene	19.82	18362	0.44 ug/L	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6.2Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#19

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 30118 Location: 1stQtr SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3011808

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013245.D

Level: (low/med) LOW Date Received: 3/13/2003

% Moisture: not dec. _____ Date Analyzed: 3/19/2003

GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013243.D**
 Operator **Skelton**
 Date Acquired **19 Mar 2003 7:24 pm**

Sample Name **3011806**
 Field ID **StreamSite#20**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.46	26204	0.64 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6 2Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#20

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30118 Location: 1stQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3011806
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013243.D
Level: (low/med) LOW Date Received: 3/13/2003
% Moisture: not dec. _____ Date Analyzed: 3/19/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013242.D**
 Operator **Skelton**
 Date Acquired **19 Mar 2003 6:43 pm**

Sample Name **3011805**
 Field ID **StreamSite#21**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.47	25875	0.63 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,1,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6 2Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#21

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30118 Location: 1stQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3011805
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013242.D
Level: (low/med) LOW Date Received: 3/13/2003
% Moisture: not dec. _____ Date Analyzed: 3/19/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013241.D**
 Operator **Skelton**
 Date Acquired **19 Mar 2003 6:03 pm**

Sample Name **3011804**
 Field ID **StreamSite#22**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.57	81874	1.57 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6.2Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#22

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30118 Location: 1stQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3011804
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013241.D
Level: (low/med) LOW Date Received: 3/13/2003
% Moisture: not dec. _____ Date Analyzed: 3/19/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013387.D**
 Operator **Skelton**
 Date Acquired **2 Apr 2003 10:43 pm**

Sample Name **3013405**
 Field ID **StreamSite#23**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.57	49814	1.41 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene	19.84	30070	1.05 ug/L	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.46	121665	4.01 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6 2Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#23

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30134 Location: 1stQtr' SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3013405
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013387.D
Level: (low/med) LOW Date Received: 3/24/2003
% Moisture: not dec. _____ Date Analyzed: 4/2/2003
GC Column: RTX502. 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013249.D**
 Operator **Skelton**
 Date Acquired **19 Mar 2003 11:23 pm**

Sample Name **3011812**
 Field ID **StreamSite#24**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.56	48174	0.99 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene	19.82	31677	0.83 ug/L	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.46	137763	3.50 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6 2Sept-97

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
 R.L. = Reporting Limit

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#24

Lab Name: FMETL Project: Streams
 NJDEP#: 13461 Case No.: 30118 Location: 1stQtr SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 3011812
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013249.D
 Level: (low/med) LOW Date Received: 3/13/2003
 % Moisture: not dec. _____ Date Analyzed: 3/19/2003
 GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013388.D**
 Operator **Skelton**
 Date Acquired **2 Apr 2003 11:23 pm**

Sample Name **3013406**
 Field ID **StreamSite#25**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.46	63938	2.22 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6 2Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#25

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30134 Location: 1stQtr' SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3013406
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013388.D
Level: (low/med) LOW Date Received: 3/24/2003
% Moisture: not dec. _____ Date Analyzed: 4/2/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013390.D**
 Operator **Skelton**
 Date Acquired **3 Apr 2003 12:43 am**

Sample Name **3013408**
 Field ID **StreamSite#26**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7-9-6 2Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#26

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30134 Location: 1stQtr' SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3013408
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013390.D
Level: (low/med) LOW Date Received: 3/24/2003
% Moisture: not dec. _____ Date Analyzed: 4/3/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013251.D**
 Operator **Skelton**
 Date Acquired **20 Mar 2003 12:42 am**

Sample Name **3011814**
 Field ID **StreamSite#27**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.45	66771	1.71 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6.2Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#27

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30118 Location: 1stQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3011814
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013251.D
Level: (low/med) LOW Date Received: 3/13/2003
% Moisture: not dec. _____ Date Analyzed: 3/20/2003
GC Column: RTX502 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VB013253.D**
 Operator **Skelton**
 Date Acquired **20 Mar 2003 2:02 am**

Sample Name **3011816**
 Field ID **StreamSite#28**
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.67	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.57	33949	0.73 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene	19.82	22276	0.60 ug/L	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	24.46	103491	2.78 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Water Quality Criteria as per NJAC 7:9-6 2Sept-97

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
 R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

StreamSite#28

Lab Name: FMETL Project: Streams
NJDEP#: 13461 Case No.: 30118 Location: 1stQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3011816
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013253.D
Level: (low/med) LOW Date Received: 3/13/2003
% Moisture: not dec. _____ Date Analyzed: 3/20/2003
GC Column: RTX502 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
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PCBs

TABULATED ANALYTICAL REPORT
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

mb 031903

MATRIX: Aqueous

Date Extracted: 3/19/03

Ext. Batch: 031903

Date Analyzed: 3/27/03

Filename: PCB10967.D

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/L)	MDL (mg/L)
12674-11-2	Aroclor 1016	ND	0.0112
11104-28-2	Aroclor 1221	ND	0.0206
12672-29-6	Aroclor 1248	ND	0.0140
53469-21-9	Aroclor 1242	ND	0.0160
11141-16-5	Aroclor 1232	ND	0.0064
11097-69-1	Aroclor 1254	ND	0.0040
11096-82-5	Aroclor 1260	ND	0.0036

MDL - Method Detection Limit
ND = Not detected at or above MDLInitial Vol.(ml) 1000
Final Vol.(ml) 10

COMMENTS:

TABULATED ANALYTICAL REPORT
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

mb 032003

MATRIX: Aqueous

Date Extracted: 3/20/03

Ext. Batch: 032003

Filename: PCB10985.D

Date Analyzed: 3/28/03

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/L)	MDL (mg/L)
12674-11-2	Aroclor 1016	ND	0.0112
11104-28-2	Aroclor 1221	ND	0.0206
12672-29-6	Aroclor 1248	ND	0.0140
53469-21-9	Aroclor 1242	ND	0.0160
11141-16-5	Aroclor 1232	ND	0.0064
11097-69-1	Aroclor 1254	ND	0.0040
11096-82-5	Aroclor 1260	ND	0.0036

MDL - Method Detection Limit
ND = Not detected at or above MDLInitial Vol.(ml) 1000
Final Vol.(ml) 10

COMMENTS:

TABULATED ANALYTICAL REPORT
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

mb 032803

MATRIX: Aqueous

Date Extracted: 3/28/03

Ext. Batch: 032803

Filename: PCB11012.D

Date Analyzed: 3/31/03

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/L)	MDL (mg/L)
12674-11-2	Aroclor 1016	ND	0.0112
11104-28-2	Aroclor 1221	ND	0.0206
12672-29-6	Aroclor 1248	ND	0.0140
53469-21-9	Aroclor 1242	ND	0.0160
11141-16-5	Aroclor 1232	ND	0.0064
11097-69-1	Aroclor 1254	ND	0.0040
11096-82-5	Aroclor 1260	ND	0.0036

MDL - Method Detection Limit

Initial Vol.(ml)

1000

ND = Not detected at or above MDL

Final Vol.(ml)

10

COMMENTS:

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st Qtrr.
 Client ID: Field Blank
 Lab ID: 3011802
 Filename: PCB10969.D
 Lab Project No: 30118

MATRIX: Aqueous
 Date Extracted: 3/19/03
 Ext. Batch: 031903
 Date Analyzed: 3/27/03
 DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st. Qtr.
 Client ID: Field Blank
 Lab ID: 3013402
 Filename: PCB11014.D
 Lab Project No: 30134

MATRIX: Aqueous
 Date Extracted: 3/28/03
 Ext. Batch: 032803
 Date Analyzed: 3/31/03
 DILUTION: 1
 QC Batch: 32803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol. (ml) 1000.00
 Final Vol. (ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st Qtrr. '
 Client ID: Dupe
 Lab ID: 3011803
 Filename: PCB10970.D
 Lab Project No: 30118

MATRIX: Aqueous
 Date Extracted: 3/19/03
 Ext. Batch: 031903
 Date Analyzed: 3/27/03
 DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st. Qtrr.
 Client ID: Dupe
 Lab ID: 3013403
 Filename: PCB11015.D
 Lab Project No: 30134

MATRIX: Aqueous
 Date Extracted: 3/28/03
 Ext. Batch: 032803
 Date Analyzed: 3/31/03
 DILUTION: 1
 QC Batch: 32803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol. (ml) 1000.00
 Final Vol. (ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st. Qtrr.
 Client ID: Stream Site # 03
 Lab ID: 3013409
 Filename: PCB11021.D
 Lab Project No: 30134

MATRIX: Aqueous
 Date Extracted: 3/28/03
 Ext. Batch: 032803
 Date Analyzed: 3/31/03
 DILUTION: 1
 QC Batch: 32803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol. (ml) 1000.00
 Final Vol. (ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st Qtr. '
 Client ID: Stream Site # 4
 Lab ID: 3011817
 Filename: PCB10989.D
 Lab Project No: 30118

MATRIX: Aqueous
 Date Extracted: 3/20/03
 Ext. Batch: 032003
 Date Analyzed: 3/28/03
 DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st Qtr. '
 Client ID: Stream Site # 5
 Lab ID: 3011818
 Filename: PCB10990.D
 Lab Project No: 30118

MATRIX: Aqueous
 Date Extracted: 3/20/03
 Ext. Batch: 032003
 Date Analyzed: 3/28/03
 DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/E)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st Qtrr. '
 Client ID: Stream Site # 7
 Lab ID: 3011815
 Filename: PCB10987.D
 Lab Project No: 30118

MATRIX: Aqueous
 Date Extracted: 3/20/03
 Ext. Batch: 032003
 Date Analyzed: 3/28/03
 DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st Qtr. '
 Client ID: Stream Site # 11
 Lab ID: 3011811
 Filename: PCB10978.D
 Lab Project No: 30118

MATRIX: Aqueous
 Date Extracted: 3/19/03
 Ext. Batch: 031903
 Date Analyzed: 3/27/03
 DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: Streams 1st Qtrr. '
Client ID: Stream Site # 12
Lab ID: 3011809
Filename: PCB10976.D
Lab Project No: 30118

MATRIX: Aqueous
Date Extracted: 3/19/03
Ext. Batch: 031903
Date Analyzed: 3/27/03
DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND = UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

Initial Vol.(ml) 1000.00
Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st. Qtr.
 Client ID: Stream Site # 13
 Lab ID: 3013411
 Filename: PCB11023.D
 Lab Project No: 30134

MATRIX: Aqueous
 Date Extracted: 3/28/03
 Ext. Batch: 032803
 Date Analyzed: 3/31/03
 DILUTION: 1
 QC Batch: 32803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st. Qtrr.
 Client ID: Stream Site # 14
 Lab ID: 3013410
 Filename: PCB11022.D
 Lab Project No: 30134

MATRIX: Aqueous
 Date Extracted: 3/28/03
 Ext. Batch: 032803
 Date Analyzed: 3/31/03
 DILUTION: 1
 QC Batch: 32803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st. Qtrr.
 Client ID: Stream Site 15
 Lab ID: 3013404
 Filename: PCB11016.D
 Lab Project No: 30134

MATRIX: Aqueous
 Date Extracted: 3/28/03
 Ext. Batch: 032803
 Date Analyzed: 3/31/03
 DILUTION: 1
 QC Batch: 32803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st Qtrr. '
 Client ID: Stream Site # 16
 Lab ID: 3011813
 Filename: PCB10980.D
 Lab Project No: 30118

MATRIX: Aqueous
 Date Extracted: 3/19/03
 Ext. Batch: 031903
 Date Analyzed: 3/27/03
 DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st. Qtrr.
 Client ID: Stream Site # 17
 Lab ID: 3013407
 Filename: PCB11019.D
 Lab Project No: 30134

MATRIX: Aqueous
 Date Extracted: 3/28/03
 Ext. Batch: 032803
 Date Analyzed: 3/31/03
 DILUTION: 1
 QC Batch: 32803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st Qtrr.
 Client ID: Stream Site # 18
 Lab ID: 3011810
 Filename: PCB10977.D
 Lab Project No: 30118

MATRIX: Aqueous
 Date Extracted: 3/19/03
 Ext. Batch: 031903
 Date Analyzed: 3/27/03
 DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: Streams 1st Qtr. '
Client ID: Stream Site # 19
Lab ID: 3011808
Filename: PCB10975.D
Lab Project No: 30118

MATRIX: Aqueous
Date Extracted: 3/19/03
Ext. Batch: 031903
Date Analyzed: 3/27/03
DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND = UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

Initial Vol.(ml) 1000.00
Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st Qtrr. '
 Client ID: Stream Site # 20
 Lab ID: 3011806
 Filename: PCB10973.D
 Lab Project No: 30118

MATRIX: Aqueous
 Date Extracted: 3/19/03
 Ext. Batch: 031903
 Date Analyzed: 3/27/03
 DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st Qtrr. '
 Client ID: Stream Site # 21
 Lab ID: 3011805
 Filename: PCB10972.D
 Lab Project No: 30118

MATRIX: Aqueous
 Date Extracted: 3/19/03
 Ext. Batch: 031903
 Date Analyzed: 3/27/03
 DILUTION: 1
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st Qtr. '
 Client ID: Stream Site # 22
 Lab ID: 3011804
 Filename: PCB10971.D
 Lab Project No: 30118

MATRIX: Aqueous
 Date Extracted: 3/19/03
 Ext. Batch: 031903
 Date Analyzed: 3/27/03
 DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st. Qtrr.
 Client ID: Stream Site # 23
 Lab ID: 3013405
 Filename: PCB11017.D
 Lab Project No: 30134

MATRIX: Aqueous
 Date Extracted: 3/28/03
 Ext. Batch: 032803
 Date Analyzed: 3/31/03
 DILUTION: 1
 QC Batch: 32803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st Qtr. '
 Client ID: Stream Site # 24
 Lab ID: 3011812
 Filename: PCB10979.D
 Lab Project No: 30118

MATRIX: Aqueous
 Date Extracted: 3/19/03
 Ext. Batch: 031903
 Date Analyzed: 3/27/03
 DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st. Qtr.
 Client ID: Stream Site # 25
 Lab ID: 3013406
 Filename: PCB11018.D
 Lab Project No: 30134

MATRIX: Aqueous
 Date Extracted: 3/28/03
 Ext. Batch: 032803
 Date Analyzed: 3/31/03
 DILUTION: 1
 QC Batch: 32803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st. Qtrr.
 Client ID: Stream Site # 26
 Lab ID: 3013408
 Filename: PCB11020.D
 Lab Project No: 30134

MATRIX: Aqueous
 Date Extracted: 3/28/03
 Ext. Batch: 032803
 Date Analyzed: 3/31/03
 DILUTION: 1
 QC Batch: 32803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: Streams 1st Qtrr. '
Client ID: Stream Site # 27
Lab ID: 3011814
Filename: PCB10981.D
Lab Project No: 30118

MATRIX: Aqueous
Date Extracted: 3/19/03
Ext. Batch: 031903
Date Analyzed: 3/27/03
DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND = UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

Initial Vol.(ml) 1000.00
Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st Qtrr. '
 Client ID: Stream Site # 28
 Lab ID: 3011816
 Filename: PCB10988.D
 Lab Project No: 30118

MATRIX: Aqueous
 Date Extracted: 3/20/03
 Ext. Batch: 032003
 Date Analyzed: 3/28/03
 DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 1st Qtr. '
 Client ID: Stream Site # 29
 Lab ID: 3011807
 Filename: PCB10974.D
 Lab Project No: 30118

MATRIX: Aqueous
 Date Extracted: 3/19/03
 Ext. Batch: 031903
 Date Analyzed: 3/27/03
 DILUTION: 1

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0683
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0666
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0648
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0485
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0544
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0608
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0732

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol. (ml) 1000.00
 Final Vol. (ml) 10.00

WET CHEMISTRY

Stream Water Analysis

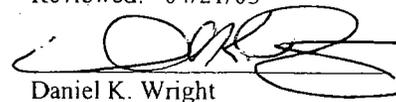
1st Quarter 2003

Sample ID	Date Sampled	Stream Site#	pH	Ammonia (mg/L)	Nitrates (mg/L)	Phosphate (mg/L)	Sulfate (mg/L)	DO (mg/L)	T.Coliform (cfu/100ml)	F.Coliform (cfu/100ml)	% Salinity
3011804	03/13/03	22	7.87	ND	0.35	0.06	807	8.91	40	20	12
3011805	03/13/03	21	7.76	0.280	0.82	0.13	228	9.71	420	20	13
3011806	03/13/03	20	7.79	0.283	0.60	0.14	238	9.80	220	60	13
3011807	03/13/03	09	5.74	0.198	2.04	0.14	50.0	1.47	180	20	3
3011808	03/13/03	19	6.32	0.133	2.23	0.14	18.2	8.28	160	60	2
3011809	03/13/03	12	6.12	ND	2.59	0.10	23.2	19.68	140	20	1
3011810	03/13/03	18	6.21	0.107	2.40	0.08	19.4	22.71	200	60	2
3011811	03/13/03	11	6.40	ND	2.61	0.13	18.1	30.62	160	60	2
3011812	03/13/03	24	6.10	0.583	1.20	0.12	27.1	19.62	240	20	3
3011813	03/13/03	16	6.18	0.441	1.17	0.15	27.5	21.93	340	0	2
3011814	03/13/03	27	6.33	0.303	1.24	0.11	26.7	15.87	260	20	2
3011815	03/13/03	07	6.30	0.267	1.26	0.12	25.9	19.34	160	0	2
3011816	03/13/03	28	6.46	0.428	1.20	0.10	30.1	17.05	240	0	3
3011817	03/13/03	04	6.18	0.350	1.44	0.16	33.6	11.06	200	0	2
3011818	03/13/03	05	6.44	0.383	1.21	0.10	26.9	9.12	320	40	2
3013404	03/24/03	15	5.66	ND	ND	0.11	401	3.71	960	140	2
3013405	03/24/03	23	6.08	ND	1.67	0.11	28.7	3.63	1160	40	3
3013406	03/24/03	25	6.16	ND	1.80	0.14	39.5	7.91	920	40	3
3013407	03/24/03	17	6.42	ND	0.90	0.15	25.7	2.93	700	60	2
3013408	03/24/03	26	6.75	ND	0.90	0.10	26.3	5.44	520	40	0
3013409	03/24/03	03	6.75	ND	0.96	0.10	24.4	5.44	300	20	0
3013410	03/24/03	14	6.63	ND	1.12	0.16	25.3	2.89	220	40	2
3013411	03/24/03	13	6.65	ND	1.35	0.16	28.9	3.44	700	0	2

mg/L = Parts Per Million
 cfu = Colony Forming Units
 ND = Not detected
 TNTC = Too Numerous to Count

Completed: 04/21/03

Reviewed: 04/21/03



Daniel K. Wright
 Laboratory Director

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:							
07/17/1997	FMETL	ND	ND	ND	ND	0.083	-
10/30/1997	FMETL	ND	ND	ND	ND		
02/10/1998	FMETL	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	ND		
11/18/1998	FMETL	ND	ND	1.09	ND		
02/25/1999	FMETL	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND		
09/22/1999	FMETL	ND	ND	ND	ND		
12/09/1999	FMETL	ND	ND	ND	ND		
03/01/2000	FMETL	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		
03/08/2001	FMETL	ND	ND	ND	ND		
05/16/2001	FMETL	ND	ND	ND	ND		
09/25/2001	FMETL	ND	ND	ND	ND		
11/14/2001	FMETL	ND	ND	ND	ND		V
02/11/2002	FMETL	ND	ND	ND	ND		V,P
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/05/2002	FMETL	ND	ND	ND	ND		V,P
03/24/2003	FMETL	ND	ND	ND	ND	ND	V,P

SOURCE: 3

Sampling Dates:
07/17/1997 - 03/24/2003

NOTES:

Stream 3 is Fresh-Water.
MeCl limit is 2.49 ug/L.
PCE limit is 0.388 ug/L.

Page 1 of 1

Fort Monmouth

GW Monitoring
Streams

Source 1 of 23

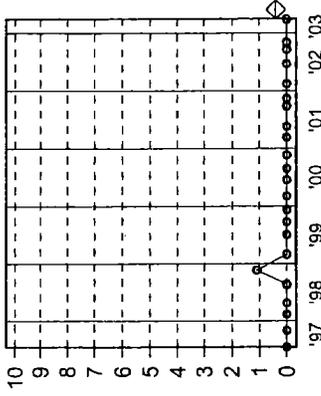


**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

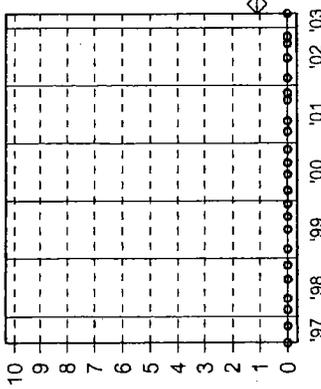
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Sampling Dates:
07/17/1997 - 03/24/2003

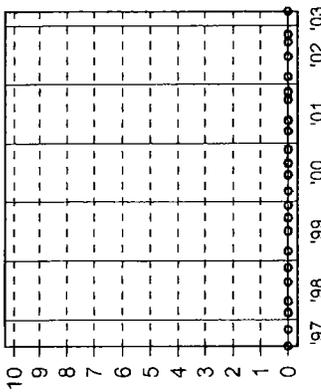
Tetrachloroethene
(ug/l)



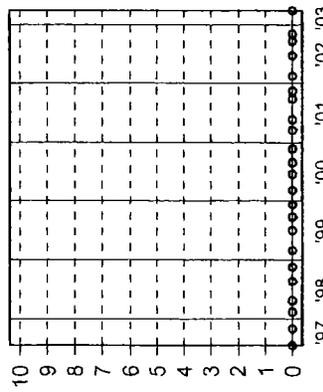
Trichloroethene
(ug/l)



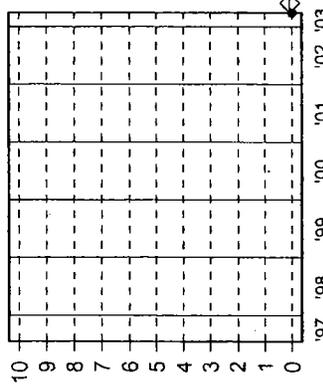
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

- o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 1 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
		-	1.09	0.388	-	0.083	-
04/08/1997	FMETL	2.18	ND	ND	ND		
07/17/1997	FMETL	1.63	ND	1.61	ND		
10/30/1997	FMETL	ND	ND	1.24	ND		
02/10/1998	FMETL	ND	ND	6.61	ND		
04/21/1998	FMETL	ND	ND	4.42	ND		
08/19/1998	FMETL	1.92	1.10	2.85	ND		
11/17/1998	FMETL	1.19	ND	1.62	ND		
02/25/1999	FMETL	ND	ND	5.61	ND		
06/29/1999	FMETL	2.41	1.56	5.27	ND		
09/22/1999	FMETL	2.02	ND	1.85	ND		
12/09/1999	FMETL	ND	ND	ND	ND		
03/01/2000	FMETL	1.23	1.26	6.18	2.18		
06/12/2000	FMETL	ND	ND	4.37	ND		
08/24/2000	FMETL	1.19	1.19	3.19	ND		
11/20/2000	FMETL	ND	ND	3.70	ND		-
03/08/2001	FMETL	ND	ND	2.52	ND		-
05/16/2001	FMETL	ND	ND	2.95	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	1.64	ND		V
06/18/2002	FMETL	ND	ND	1.97	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND		V,P
03/13/2003	FMETL	0.57	0.51	2.33	ND	ND	V,P

Fort Monmouth

GW Monitoring
Streams

Source 2 of 23

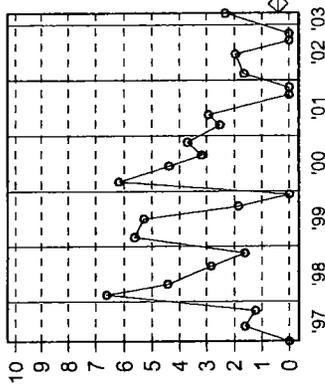


U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

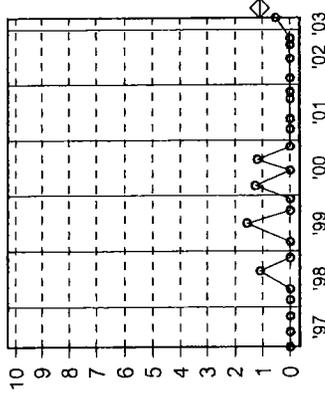
SOURCE: 4

Sampling Dates:
04/08/1997 - 03/13/2003

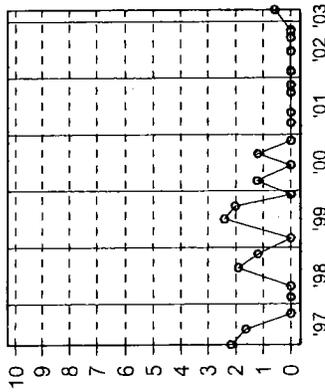
**Tetrachloroethene
(ug/l)**



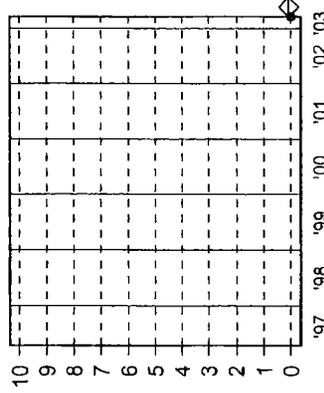
**Trichloroethene
(ug/l)**



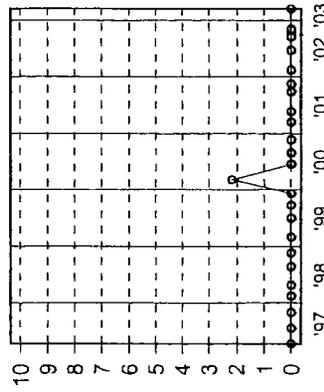
**cis-1,2-Dichloroethene
(ug/l)**



**Vinyl Chloride
(ug/l)**



**Methyl-tert-Butyl Ether
(ug/l)**



LEGEND:

PARAMETER

o = Date
Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 2 of 23, Graph



**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	-	1.09	0.388	-	0.083	-
04/08/1997	FMETL	1.80	ND	2.28	ND		
07/17/1997	FMETL	3.66	ND	3.54	ND		
10/30/1997	FMETL	1.83	ND	1.70	ND		
02/10/1998	FMETL	ND	ND	6.34	ND		
04/21/1998	FMETL	ND	ND	4.48	ND		
08/19/1998	FMETL	2.28	1.27	3.39	ND		
11/17/1998	FMETL	1.67	ND	2.17	ND		
02/25/1999	FMETL	ND	ND	5.45	ND		
06/29/1999	FMETL	2.74	1.74	6.04	ND		
09/22/1999	FMETL	1.96	ND	1.82	ND		
12/09/1999	FMETL	1.60	ND	3.82	ND		
03/01/2000	FMETL	1.27	1.36	6.62	2.34		
06/12/2000	FMETL	ND	ND	4.38	ND		
08/24/2000	FMETL	1.19	ND	3.44	ND		
11/20/2000	FMETL	ND	ND	3.58	ND		
03/08/2001	FMETL	ND	ND	ND	ND		
05/16/2001	FMETL	0.97	ND	4.09	ND		
09/25/2001	FMETL	ND	ND	ND	ND		
11/14/2001	FMETL	1.51	ND	1.99	ND		
02/11/2002	FMETL	ND	ND	2.44	ND		V
06/18/2002	FMETL	ND	ND	2.39	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND		V,P
03/13/2003	FMETL	0.81	0.71	3.08	ND	ND	V,P

SOURCE: 5

Sampling Dates:
04/08/1997 - 03/13/2003

NOTES:

Page 1 of 1
Stream 5 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

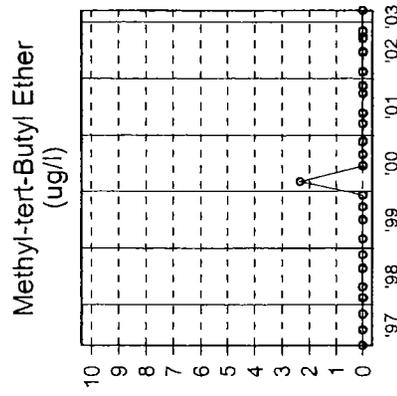
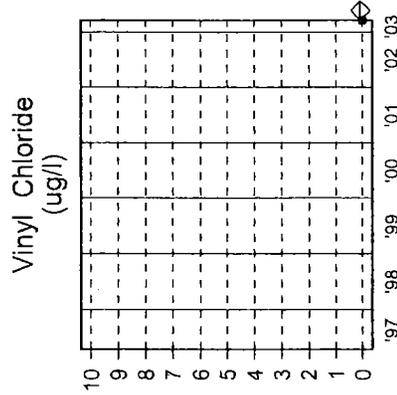
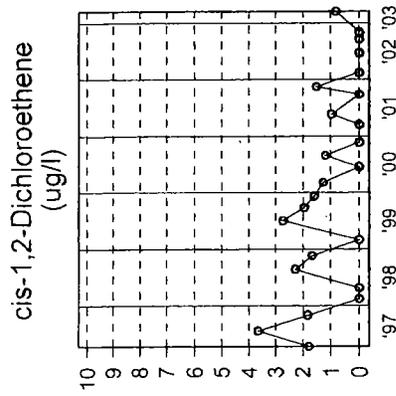
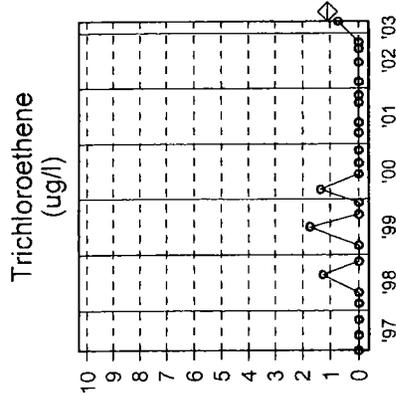
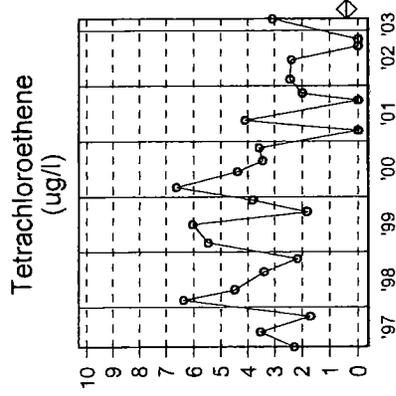
Source 3 of 23



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 5

Sampling Dates:
04/08/1997 - 03/13/2003



LEGEND:

PARAMETER

- o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 3 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	ND	1.09	0.388	ND	0.083	-
07/17/1997	FMETL	1.14	ND	1.08	ND		
10/30/1997	FMETL	ND	ND	ND	ND		
02/10/1998	FMETL	ND	ND	2.04	ND		
04/21/1998	FMETL	ND	ND	2.40	ND		
08/19/1998	FMETL	ND	ND	ND	ND		
11/17/1998	FMETL	ND	ND	ND	ND		
02/25/1999	FMETL	ND	ND	2.85	ND		
06/29/1999	FMETL	ND	ND	1.42	2.00		
09/22/1999	FMETL	ND	ND	ND	ND		
12/09/1999	FMETL	ND	ND	ND	ND		
03/01/2000	FMETL	1.19	1.30	6.47	2.14		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	1.77	ND		
11/20/2000	FMETL	ND	ND	1.94	ND		-
03/08/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND		V,P
03/13/2003	FMETL	ND	ND	1.61	ND	ND	V,P

SOURCE: 7

Sampling Dates:
04/08/1997 - 03/13/2003

NOTES:

Page 1 of 1
Stream 7 is Salt-Water.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.
Acetone limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 4 of 23

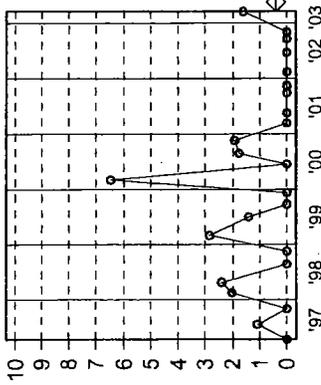


**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

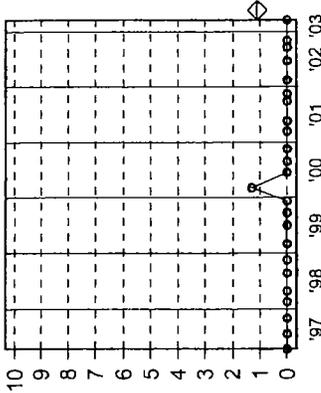
SOURCE: 7

Sampling Dates:
04/08/1997 - 03/13/2003

Tetrachloroethene
(ug/l)



Trichloroethene
(ug/l)



Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	2.78	1.09	0.388	-	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND		
10/30/1997	FMETL	2.14	ND	ND	ND		
02/10/1998	FMETL	6.00	ND	ND	ND		
04/21/1998	FMETL	4.73	ND	ND	ND		
08/19/1998	FMETL	1.69	ND	ND	ND		
11/17/1998	FMETL	ND	ND	ND	ND		
02/25/1999	FMETL	1.78	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND		
09/21/1999	FMETL	1.91	ND	ND	ND		
12/09/1999	FMETL	ND	ND	ND	ND		
03/01/2000	FMETL	2.17	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	1.11	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		-
11/20/2000D	FMETL	ND	ND	ND	ND		-
02/21/2001	FMETL	1.72	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/11/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	1.24	ND	ND	ND		V,P
03/13/2003	FMETL	9.40	ND	ND	ND	ND	V,P

SOURCE: 9

Sampling Dates:
04/08/1997 - 03/13/2003

NOTES:

PAGE 1 OF 1
Stream 9 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 5 of 23

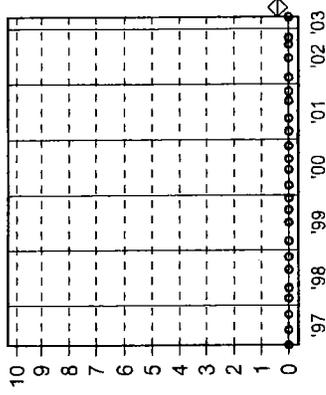


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FORT MONMOUTH
SELF-M-PW-EV

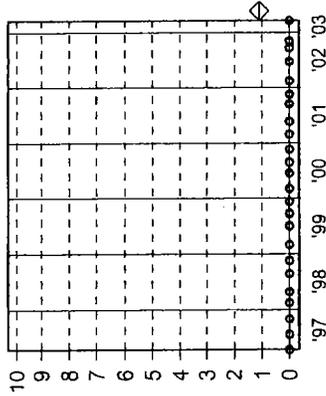
SOURCE: 9

Sampling Dates:
04/08/1997 - 03/13/2003

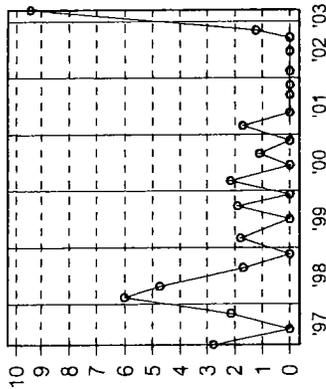
Tetrachloroethene
(ug/l)



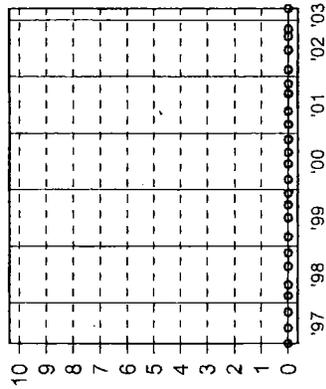
Trichloroethene
(ug/l)



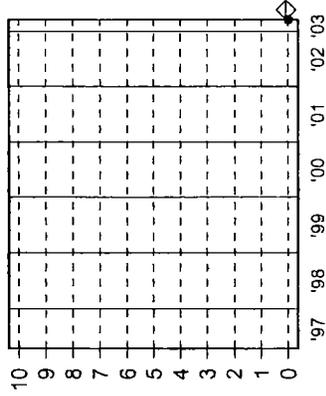
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NUDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 5 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
		-	1.09	0.388	-	0.083	-
04/08/1997	FMETL	18.72	1.58	ND	ND		
07/17/1997	FMETL	14.13	ND	ND	ND		
10/30/1997	FMETL	18.23	ND	ND	ND		
02/10/1998	FMETL	24.71	2.14	ND	ND		
04/21/1998	FMETL	21.66	1.82	ND	ND		
08/19/1998	FMETL	11.73	ND	ND	ND		
11/18/1998	FMETL	8.82	ND	ND	ND		
02/25/1999	FMETL	9.11	ND	ND	ND		
06/29/1999	FMETL	5.77	ND	ND	ND		
09/21/1999	FMETL	15.62	ND	ND	ND		
12/09/1999	FMETL	11.90	ND	ND	ND		
03/01/2000	FMETL	11.01	ND	ND	1.64		
06/12/2000	FMETL	8.03	ND	ND	ND		
08/24/2000	FMETL	9.08	ND	ND	ND		
08/24/2000D	FMETL	8.70	ND	ND	ND		
11/20/2000	FMETL	5.34	ND	ND	ND		-
02/21/2001	FMETL	8.26	ND	ND	ND		-
05/16/2001	FMETL	5.21	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	1.93	ND	ND	ND		-
02/11/2002	FMETL	1.05	ND	ND	ND		V
06/18/2002	FMETL	3.08	ND	ND	ND		V,P
09/18/2002	FMETL	4.17	ND	ND	ND		V,P
11/05/2002	FMETL	7.48	ND	ND	ND	1.33	V,P
03/13/2003	FMETL	24.28	0.67	ND	0.79	3.37	V,P

SOURCE: 11

Sampling Dates:
04/08/1997 - 03/13/2003

NOTES:
Page 1 of 1
Stream 11 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 6 of 23

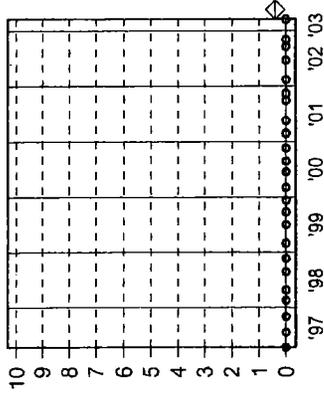


U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

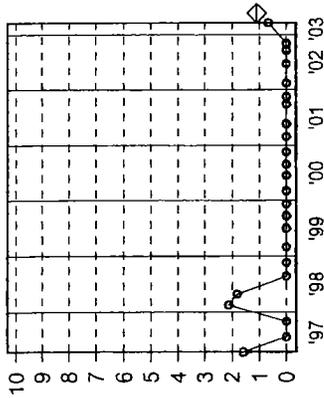
SOURCE: 11

Sampling Dates:
04/08/1997 - 03/13/2003

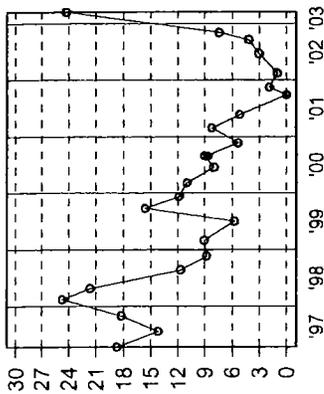
Tetrachloroethene
(ug/l)



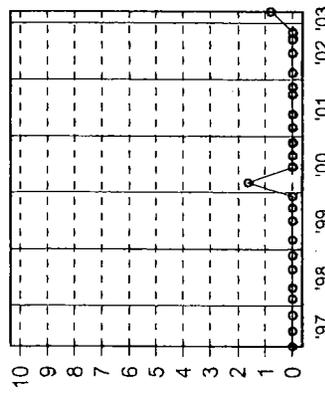
Trichloroethene
(ug/l)



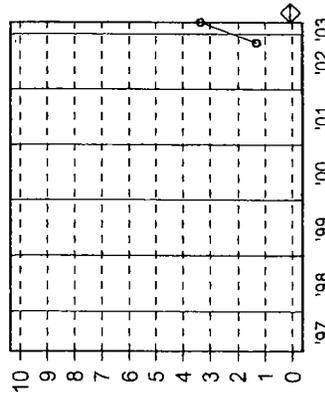
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 6 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	-	1.09	0.388	-	0.083	-
04/08/1997	FMETL	6.63	ND	ND	ND		
07/17/1997	FMETL	ND	ND	ND	ND		
10/30/1997	FMETL	5.67	ND	ND	ND		
02/10/1998	FMETL	6.54	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	4.58	ND	ND	ND		
11/18/1998	FMETL	2.48	ND	ND	ND		
02/25/1999	FMETL	1.80	ND	ND	ND		
06/29/1999	FMETL	1.39	ND	ND	ND		
09/21/1999	FMETL	3.67	ND	ND	ND		
12/09/1999	FMETL	2.74	ND	ND	ND		
03/01/2000	FMETL	3.13	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
06/24/2000	FMETL	2.00	ND	ND	ND		
11/20/2000	FMETL	1.87	ND	ND	ND		-
02/21/2001	FMETL	1.89	ND	ND	ND		-
05/16/2001	FMETL	1.66	ND	ND	ND		-
05/16/2001D	FMETL	1.72	ND	ND	ND		-
09/11/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/05/2002	FMETL	5.16	ND	ND	ND	ND	V,P
03/13/2003	FMETL	9.43	ND	ND	1.18	1.30	V,P

SOURCE: 12

Sampling Dates:
04/08/1997 - 03/13/2003

NOTES:

Page 1 of 1
Stream 12 is Fresh-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 7 of 23

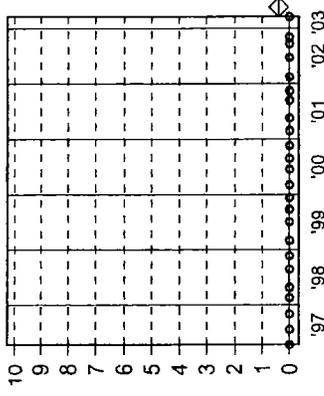


U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

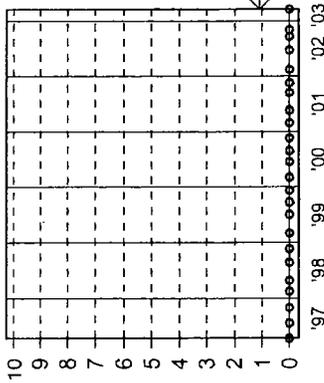
SOURCE: 12

Sampling Dates:
04/08/1997 - 03/13/2003

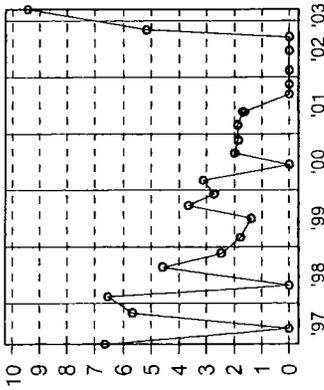
Tetrachloroethene
(ug/l)



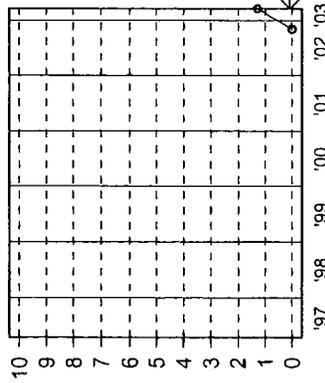
Trichloroethene
(ug/l)



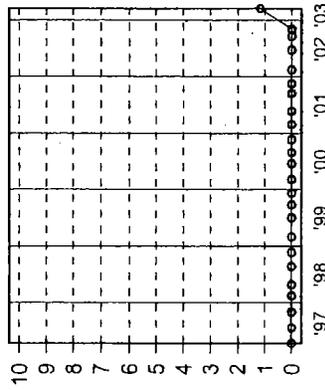
cis-1,2-Dichloroethene
(ug/l)



Vinyl Chloride
(ug/l)

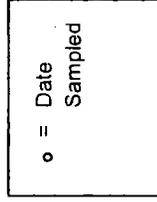


Methyl-tert-Butyl Ether
(ug/l)



LEGEND:

PARAMETER



Fort Monmouth

GW Monitoring
Streams

Source 7 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	ND	1.09	0.388	-	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND		
10/30/1997	FMETL	ND	ND	ND	ND		
02/10/1998	FMETL	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	ND		
11/18/1998	FMETL	ND	ND	ND	ND		
02/25/1999	FMETL	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND		
09/22/1999	FMETL	ND	ND	ND	ND		
12/09/1999	FMETL	ND	ND	3.94	ND		
03/01/2000	FMETL	1.35	1.40	6.92	2.40		
06/12/2000	FMETL	ND	ND	5.56	ND		
08/24/2000	FMETL	2.17	1.78	5.40	ND		
11/20/2000	FMETL	ND	ND	6.58	ND		-
02/21/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/05/2002	FMETL	ND	ND	1.46	ND	ND	V,P
03/24/2003	FMETL	ND	ND	ND	ND	ND	V,P

SOURCE: 13

Sampling Dates:
04/08/1997 - 03/24/2003

NOTES:

Page 1 of 1
Stream 13 is Fresh-Water.
MeCl limit is 2.49 ug/L.
cis-1,2-Di limit is NLE.
TCE limit is 1.09.
PCE limit is 0.388 ug/L.
Acetone limit is NLE.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

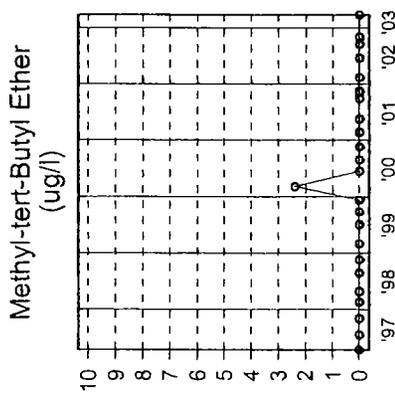
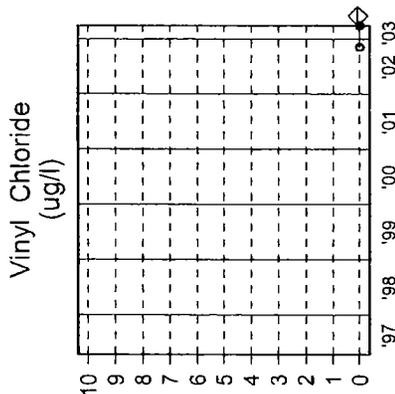
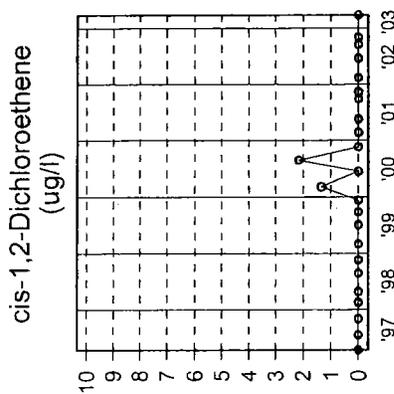
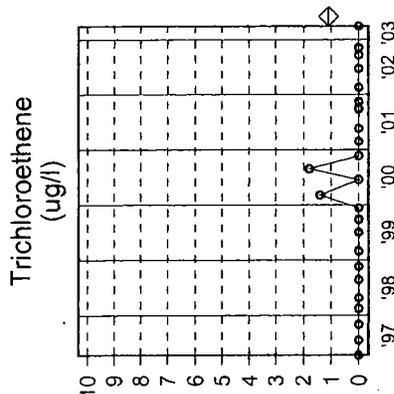
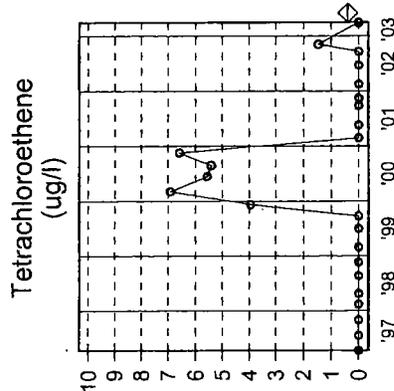
Source 8 of 23



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 13

Sampling Dates:
04/08/1997 - 03/24/2003



LEGEND:

PARAMETER

o = Date
Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 8 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:		ug/l	ug/l	ug/l	ug/l	ug/l	
04/08/1997	FMETL	ND	1.09	0.388	ND	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND		-
10/30/1997	FMETL	1.59	1.75	ND	ND		
02/10/1998	FMETL	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	ND		
11/18/1998	FMETL	ND	ND	ND	ND		
02/25/1999	FMETL	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND		
09/22/1999	FMETL	ND	ND	ND	ND		
12/09/1999	FMETL	11.26	ND	ND	ND		
03/01/2000	FMETL	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		-
03/08/2001	FMETL	ND	ND	ND	ND		-
03/08/2001D	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/05/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/24/2003	FMETL	ND	ND	ND	ND	ND	V,P

SOURCE: 14

Sampling Dates:

04/08/1997 - 03/24/2003

NOTES:

Page 1 of 1

Stream 14 is Fresh-Water.

cis-1,2-Di limit is NLE.

TCE limit is 1.09.

Acetone limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 9 of 23

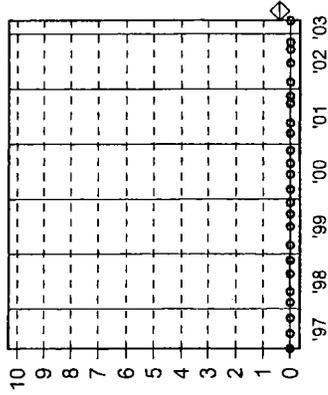


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FORT MONMOUTH
SELF-M-PW-EV

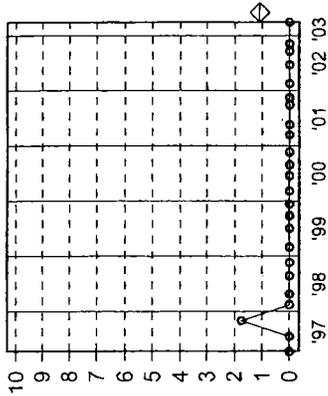
SOURCE: 14

Sampling Dates:
04/08/1997 - 03/24/2003

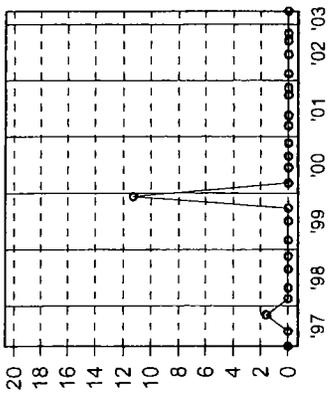
Tetrachloroethene
(ug/l)



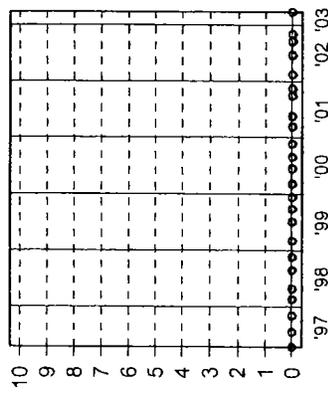
Trichloroethene
(ug/l)



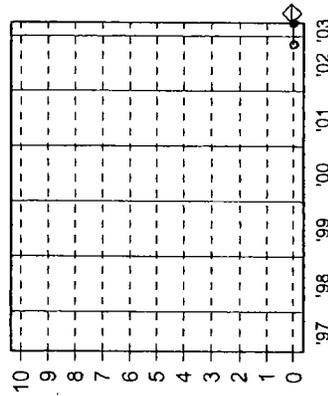
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 9 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
		-	1.09	0.388	-	0.083	-
04/08/1997	FMETL	2.69	1.60	6.00	ND		
07/17/1997	FMETL	5.53	2.50	7.12	ND		
10/30/1997	FMETL	2.57	ND	2.72	ND		
02/10/1998	FMETL	ND	1.03	6.90	ND		
04/21/1998	FMETL	1.22	1.21	5.72	ND		
08/19/1998	FMETL	3.89	2.06	5.39	ND		
11/18/1998	FMETL	ND	ND	ND	ND		
02/25/1999	FMETL	ND	ND	7.33	ND		
06/29/1999	FMETL	4.17	2.40	7.86	ND		
09/21/1999	FMETL	3.59	1.37	2.61	ND		
12/09/1999	FMETL	ND	ND	4.08	ND		
03/01/2000	FMETL	1.39	1.39	6.95	2.38		
06/12/2000	FMETL	ND	ND	5.94	ND		
08/24/2000	FMETL	2.02	1.09	5.20	ND		
11/20/2000	FMETL	ND	ND	6.29	ND		-
02/21/2001	FMETL	ND	ND	7.19	ND		-
05/16/2001	FMETL	1.50	ND	6.64	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
09/25/2001D	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	3.09	ND	3.49	ND		-
02/11/2002	FMETL	ND	ND	2.65	ND		V
06/18/2002	FMETL	1.63	ND	2.67	ND		V,P
09/18/2002	FMETL	2.39	ND	2.55	ND		V,P
11/05/2002	FMETL	ND	ND	1.52	ND	ND	V,P
03/24/2003	FMETL	1.44	1.11	3.96	ND	ND	V,P

SOURCE: 15

Sampling Dates:
04/08/1997 - 03/24/2003

NOTES:

Page 1 of 1
Stream 15 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09 ug/L.
PCE limit is 0.388 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 10 of 23

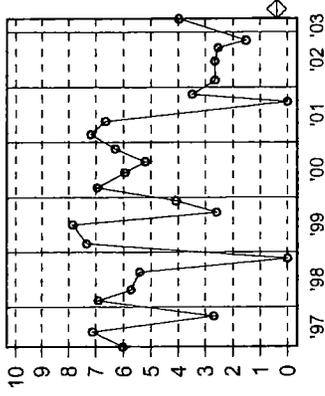


U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

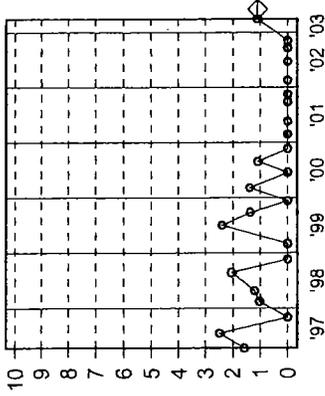
SOURCE: 15

Sampling Dates:
04/08/1997 - 03/24/2003

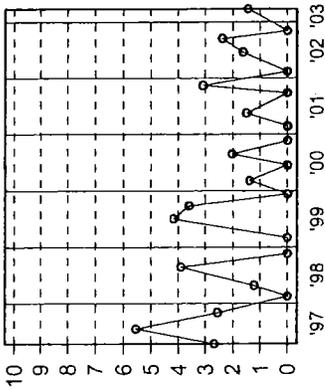
Tetrachloroethene
(ug/l)



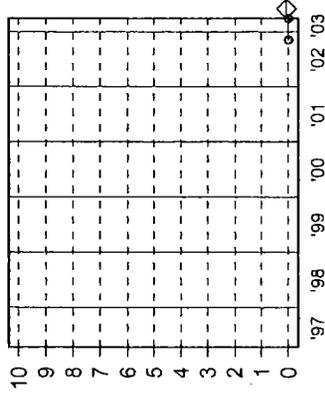
Trichloroethene
(ug/l)



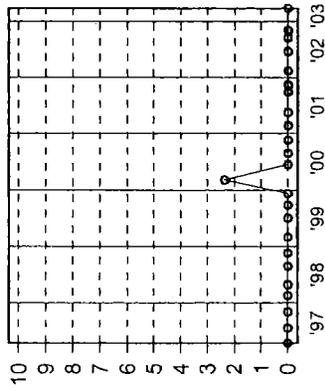
cis-1,2-Dichloroethene
(ug/l)



Vinyl Chloride
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 10 of 23, Graph



FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	2.05	1.26	4.47	ND	0.083	-
07/17/1997	FMETL	2.55	ND	4.72	ND		
10/30/1997	FMETL	1.76	ND	1.86	ND		
02/10/1998	FMETL	ND	ND	6.23	ND		
04/21/1998	FMETL	ND	ND	4.58	ND		
08/19/1998	FMETL	2.94	1.63	4.33	ND		
11/18/1998	FMETL	ND	ND	1.48	ND		
02/25/1999	FMETL	ND	ND	6.06	ND		
06/29/1999	FMETL	3.56	2.25	7.70	ND		
09/22/1999	FMETL	2.74	ND	2.63	ND		
12/09/1999	FMETL	1.79	ND	4.13	ND		
03/01/2000	FMETL	1.28	1.27	6.47	2.33		
06/12/2000	FMETL	ND	ND	3.74	ND		
08/24/2000	FMETL	1.68	1.28	4.47	ND		
11/20/2000	FMETL	ND	ND	4.49	ND		-
02/21/2001	FMETL	ND	ND	6.25	ND		-
05/16/2001	FMETL	1.23	ND	4.91	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	1.41	ND	2.00	ND		-
02/11/2002	FMETL	ND	ND	2.47	ND		V
06/18/2002	FMETL	1.35	ND	2.46	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/05/2002	FMETL	ND	ND	1.49	ND	ND	V,P
03/13/2003	FMETL	0.90	0.74	3.21	ND	ND	V,P

Fort Monmouth

GW Monitoring
Streams

Source 11 of 23

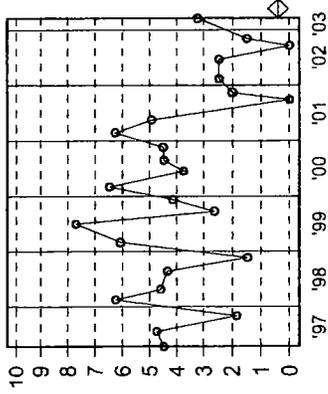


U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

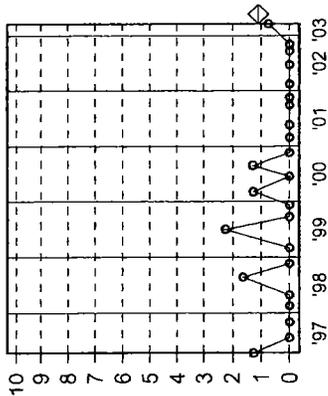
SOURCE: 16

Sampling Dates:
04/08/1997 - 03/13/2003

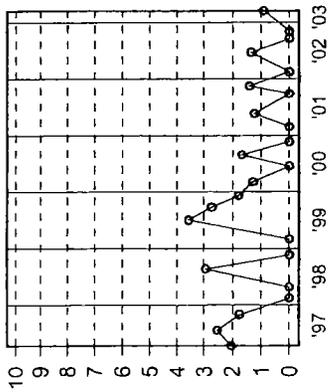
Tetrachloroethene
(ug/l)



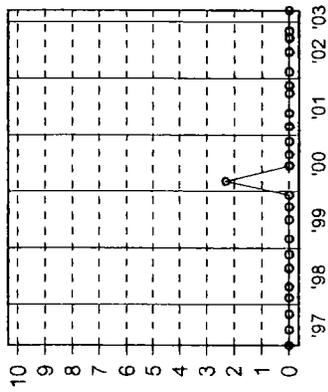
Trichloroethene
(ug/l)



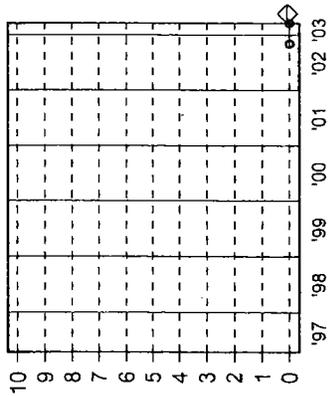
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP
Criteria

Fort Monmouth

GW Monitoring
Streams

Source 11 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	ND	1.09	0.388	-	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND		
10/30/1997	FMETL	ND	ND	ND	ND		
02/10/1998	FMETL	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	ND		
11/18/1998	FMETL	4.43	2.12	5.09	ND		
02/25/1999	FMETL	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND		
09/22/1999	FMETL	1.09	ND	ND	ND		
12/09/1999	FMETL	ND	ND	ND	ND		
03/01/2000	FMETL	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		
03/08/2001	FMETL	ND	ND	ND	ND		
05/16/2001	FMETL	ND	ND	ND	ND		
09/25/2001	FMETL	ND	ND	ND	ND		
11/14/2001	FMETL	ND	ND	ND	ND		
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/24/2003	FMETL	ND	ND	ND	ND	ND	V,P

SOURCE: 17

Sampling Dates:
04/08/1997 - 03/24/2003

NOTES:

Page 1 of 1
stream 17 is Salt-Water.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
Acetone limit is NLE.
Chlorobenzene limit is 21000 ug/L.

Fort Monmouth

GW Monitoring
Streams

Source 12 of 23

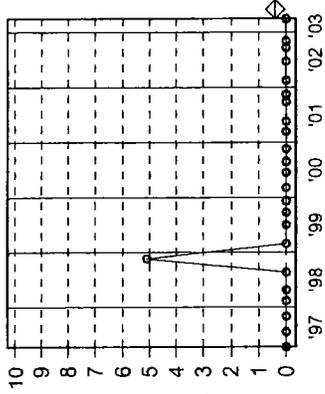


U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

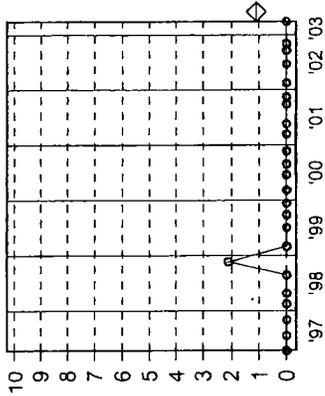
SOURCE: 17

Sampling Dates:
04/08/1997 - 03/24/2003

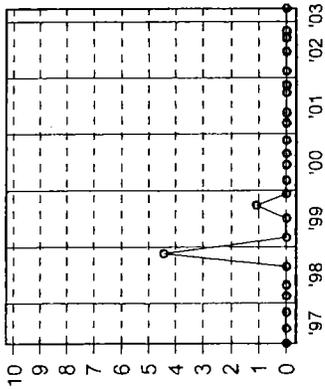
Tetrachloroethene
(ug/l)



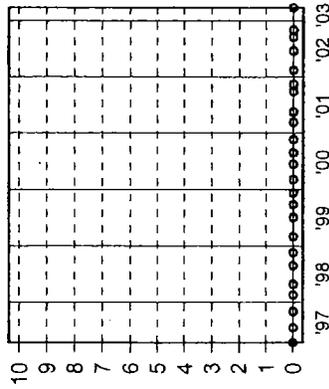
Trichloroethene
(ug/l)



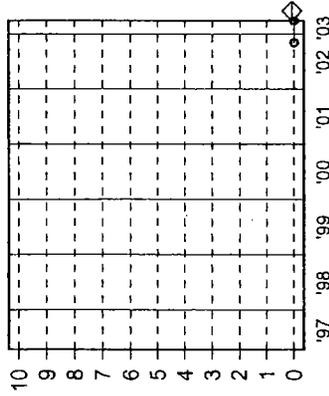
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 12 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
		-	1.09	0.388	-	0.083	-
04/08/1997	FMETL	ND	ND	ND	ND		
07/17/1997	FMETL	1.06	ND	ND	ND		
10/30/1997	FMETL	5.87	ND	ND	ND		
02/10/1998	FMETL	14.36	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	4.65	ND	ND	ND		
11/18/1998	FMETL	3.18	ND	ND	ND		
02/25/1999	FMETL	3.95	ND	ND	ND		
06/29/1999	FMETL	1.47	ND	ND	ND		
09/21/1999	FMETL	4.67	ND	ND	ND		
12/09/1999	FMETL	4.90	ND	ND	ND		
03/01/2000	FMETL	5.57	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	2.46	ND	ND	ND		
11/20/2000	FMETL	1.80	ND	ND	ND		-
02/21/2001	FMETL	4.10	ND	ND	ND		-
05/16/2001	FMETL	1.45	ND	ND	ND		-
09/11/2001	FMETL	ND	ND	ND	ND		-
09/11/2001D	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/05/2002	FMETL	5.14	ND	ND	ND	ND	V,P
03/13/2003	FMETL	17.75	0.52	ND	0.67	2.33	V,P

SOURCE: 18

Sampling Dates:

04/08/1997 - 03/13/2003

NOTES:

Page 1 of 1

Stream 18 is Fresh-Water.

cis-1,2-Di limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 13 of 23



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
		-	1.09	0.388	-	0.083	-
04/08/1997	FMETL	6.44	ND	ND	ND		
07/17/1997	FMETL	ND	ND	ND	ND		
10/30/1997	FMETL	4.69	ND	ND	ND		
02/10/1998	FMETL	8.22	ND	ND	ND		
04/21/1998	FMETL	6.86	ND	ND	ND		
08/19/1998	FMETL	2.95	ND	ND	ND		
11/17/1998	FMETL	2.3	ND	ND	ND		
02/25/1999	FMETL	2.30	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND		
09/21/1999	FMETL	3.53	ND	ND	ND		
12/09/1999	FMETL	2.60	ND	ND	ND		
03/01/2000	FMETL	2.92	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	2.07	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		
02/21/2001	FMETL	2.99	ND	ND	ND		
02/21/2001D	FMETL	3.87	ND	ND	ND		
05/16/2001	FMETL	1.57	ND	ND	ND		
09/11/2001	FMETL	ND	ND	ND	ND		
11/14/2001	FMETL	ND	ND	ND	ND		
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	2.69	ND	ND	ND	ND	V,P
03/13/2003	FMETL	13.43	0.44	ND	ND	1.61	V,P

SOURCE: 19

Sampling Dates:
04/08/1997 - 03/13/2003

NOTES:

Page 1 of 1
Stream 19 is Salt-Water.
cis-1,2-DI limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 14 of 23

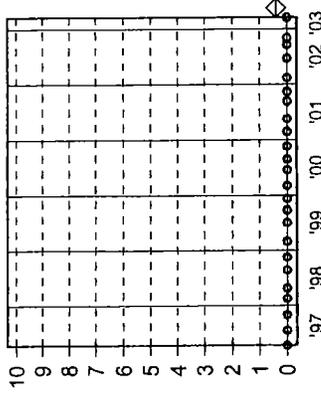


U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

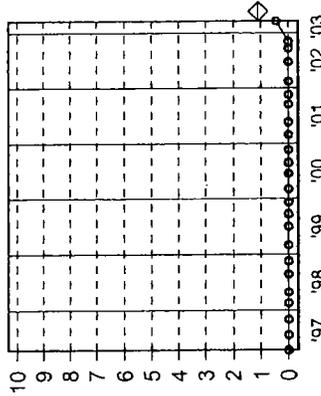
SOURCE: 19

Sampling Dates:
04/08/1997 - 03/13/2003

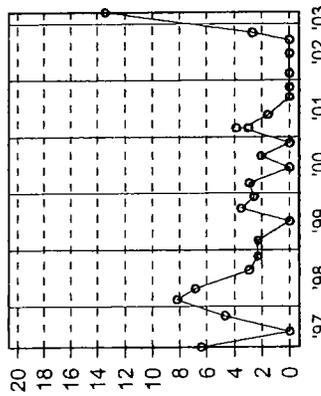
Tetrachloroethene
(ug/l)



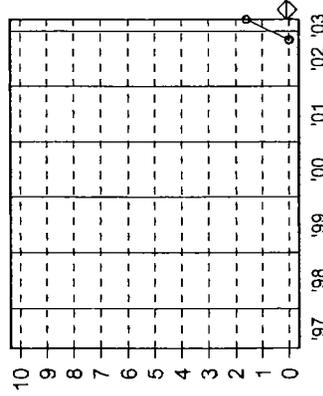
Trichloroethene
(ug/l)



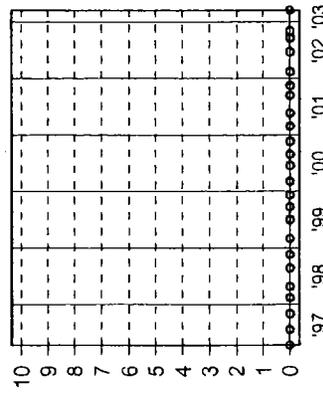
cis-1,2-Dichloroethene
(ug/l)



Vinyl Chloride
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 14 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	ND	1.09	0.388	ND	0.083	-
07/17/1997	FMETL	ND	ND	ND	2.63		
10/30/1997	FMETL	ND	ND	ND	ND		
02/10/1998	FMETL	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	4.85		
11/17/1998	FMETL	ND	ND	ND	ND		
02/25/1999	FMETL	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	5.70		
09/21/1999	FMETL	ND	ND	ND	2.10		
12/09/1999	FMETL	ND	ND	ND	ND		
03/01/2000	FMETL	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	6.38		
08/24/2000	FMETL	ND	ND	ND	2.58		
11/20/2000	FMETL	ND	ND	ND	ND		-
02/21/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	1.26		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/13/2003	FMETL	ND	ND	0.64	ND	ND	V,P

SOURCE: 20

Sampling Dates:
04/08/1997 - 03/13/2003

NOTES:

Page 1 of 1
Stream20 is Salt-Water.
Ethylben limit is 27900 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 15 of 23



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	ND	1.09	0.388	-	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND		
10/30/1997	FMETL	ND	ND	ND	2.90		
02/10/1998	FMETL	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	4.71		
11/17/1998	FMETL	ND	ND	ND	ND		
02/25/1999	FMETL	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	7.40		
09/21/1999	FMETL	1.17	ND	ND	2.24		
12/09/1999	FMETL	ND	ND	ND	ND		
03/01/2000	FMETL	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	ND	2.67		
11/20/2000	FMETL	ND	ND	ND	ND		-
02/21/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/11/2001	FMETL	ND	ND	ND	1.76		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/13/2003	FMETL	ND	ND	0.63	ND	ND	V,P

SOURCE: 21

Sampling Dates:

04/08/1997 - 03/13/2003

NOTES:

Page 1 of 1

Stream 21 is Salt-Water.

cis-1,2-Di limit is NLE.

Acetone limit is NLE.

MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 16 of 23

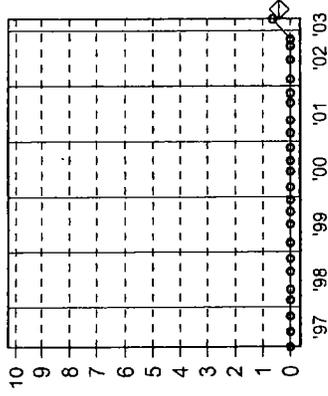


U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

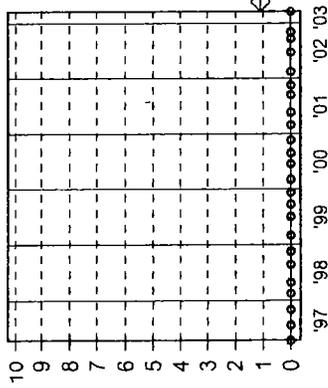
SOURCE: 21

Sampling Dates:
04/08/1997 - 03/13/2003

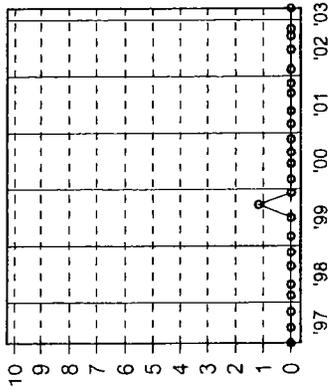
Tetrachloroethene (ug/l)



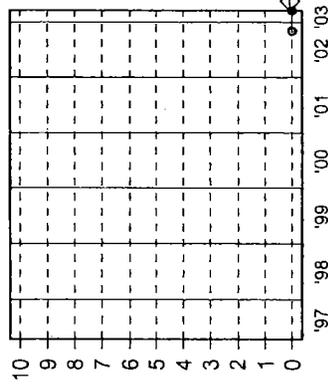
Trichloroethene (ug/l)



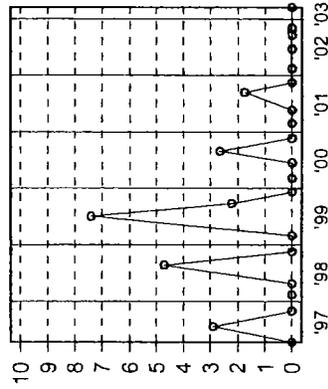
cis-1,2-Dichloroethene (ug/l)



Vinyl Chloride (ug/l)

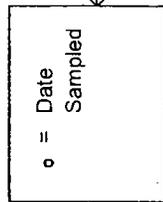


Methyl-tert-Butyl Ether (ug/l)



LEGEND:

PARAMETER



Fort Monmouth

GW Monitoring
Streams

Source 16 of 23, Graph



**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

SOURCE: 22

Sampling Dates:
04/08/1997 - 03/13/2003

NOTES:
Page 1 of 1
Stream 22 is Salt-Water.
Acetone limit is NLE.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 17 of 23



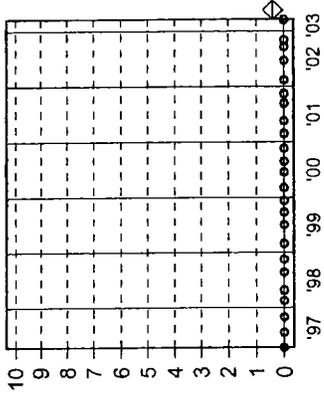
Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
		-	1.09	0.388	-	0.083	-
04/08/1997	FMETL	ND	ND	ND	ND		
07/17/1997	FMETL	ND	ND	ND	4.26		
10/30/1997	FMETL	ND	ND	ND	ND		
02/10/1998	FMETL	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	4.50		
11/17/1998	FMETL	ND	ND	ND	ND		
02/25/1999	FMETL	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	8.30		
09/21/1999	FMETL	ND	ND	ND	0.82		
12/09/1999	FMETL	ND	ND	ND	ND		
03/01/2000	FMETL	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	10.26		
06/12/2000D	FMETL	ND	ND	ND	10.66		
08/24/2000	FMETL	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		-
02/21/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		V
09/11/2001	FMETL	ND	ND	ND	3.53		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	2.12		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND		V,P
03/13/2003	FMETL	1.57	ND	ND	ND	ND	V,P

SOURCE: 22

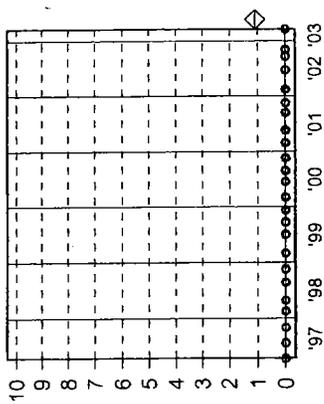
Sampling Dates:

04/08/1997 - 03/13/2003

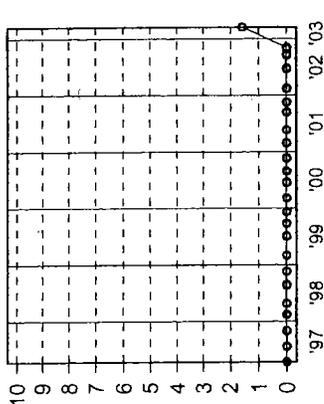
Tetrachloroethene
(ug/l)



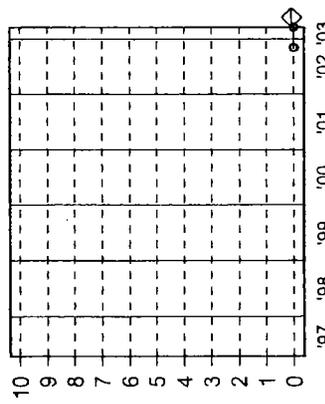
Trichloroethene
(ug/l)



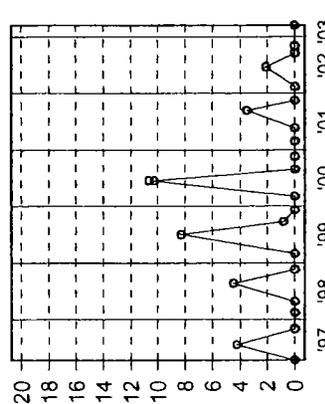
cis-1,2-Dichloroethene
(ug/l)



Vinyl Chloride
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 17 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 23
 Sampling Dates:
 06/12/2000 - 03/24/2003

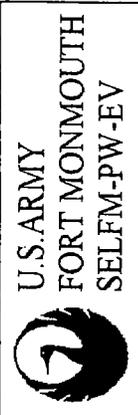
NOTES:
 Page 1 of 1
 Stream 23 is Fresh-Water

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l -	ug/l 1.09	ug/l 0.388	ug/l -	ug/l 0.083	-
06/12/2000	FMETL	ND	ND	5.60	ND		
08/24/2000	FMETL	2.24	1.82	5.18	ND		
11/20/2000	FMETL	ND	ND	6.29	ND		-
03/08/2001	FMETL	ND	ND	4.78	ND		-
05/16/2001	FMETL	1.73	ND	6.41	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	3.23	ND	3.64	ND		-
02/11/2002	FMETL	ND	ND	2.85	ND		V
06/18/2002	FMETL	1.58	ND	2.88	ND		V,P
09/18/2002	FMETL	2.49	ND	ND	ND		V,P
11/05/2002	FMETL	ND	ND	1.44	ND	ND	V,P
03/24/2003	FMETL	1.41	1.05	4.01	ND	ND	V,P

Fort Monmouth

GW Monitoring
Streams

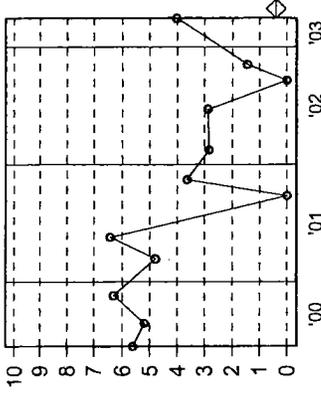
Source 18 of 23



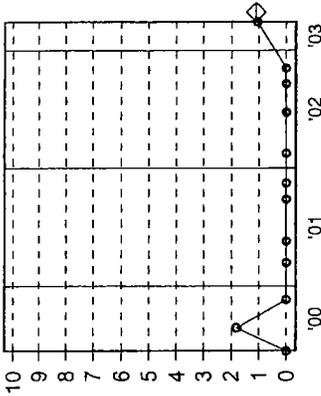
SOURCE: 23

Sampling Dates:
06/12/2000 - 03/24/2003

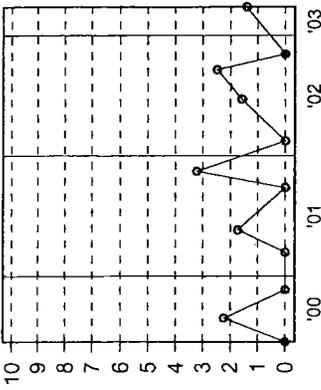
Tetrachloroethene
(ug/l)



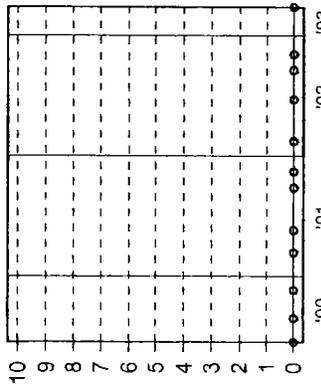
Trichloroethene
(ug/l)



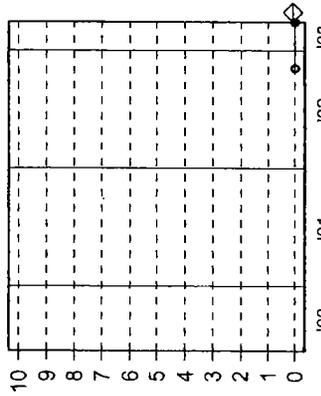
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 18 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
06/12/2000	FMETL	ND	1.09	0.388	-	0.083	-
08/24/2000	FMETL	1.54	1.41	4.33	ND		
11/20/2000	FMETL	ND	ND	4.41	ND		-
03/08/2001	FMETL	ND	ND	4.76	ND		-
05/16/2001	FMETL	1.37	ND	5.12	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	3.11	ND	3.28	ND		-
02/11/2002	FMETL	ND	ND	2.69	ND		V
06/18/2002	FMETL	1.60	ND	2.74	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/05/2002	FMETL	ND	ND	1.64	ND	ND	V,P
03/13/2003	FMETL	0.99	0.83	3.50	ND	ND	V,P

SOURCE: 24

Sampling Dates:
06/12/2000 - 03/13/2003

NOTES:

Page 1 of 2
Stream 24 is Fresh-Water

Fort Monmouth

GW Monitoring
Streams

Source 19 of 23

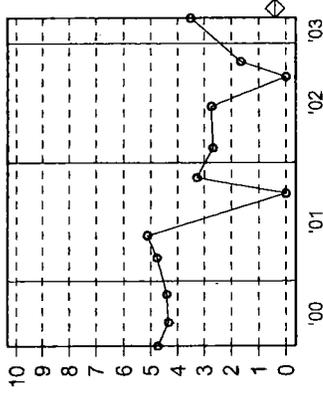


U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

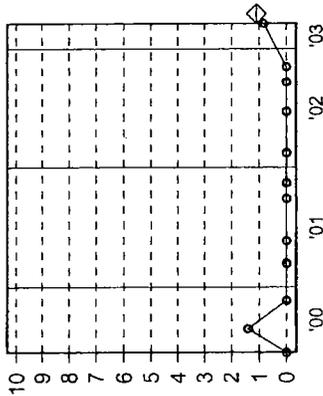
SOURCE: 24

Sampling Dates:
06/12/2000 - 03/13/2003

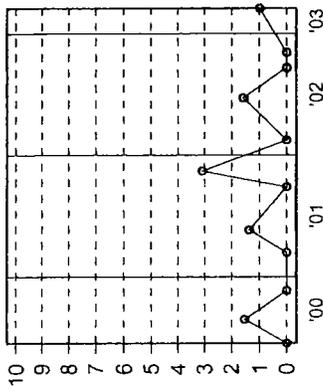
Tetrachloroethene
(ug/l)



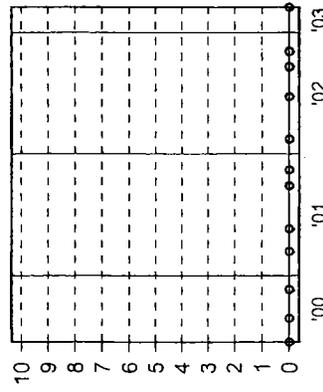
Trichloroethene
(ug/l)



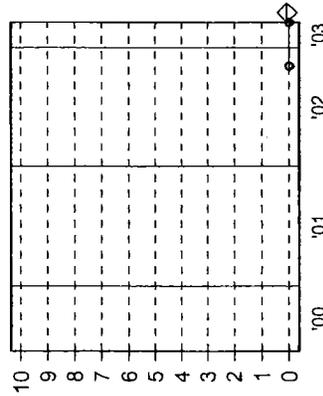
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 19 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

SOURCE: 25
 Sampling Dates:
 06/12/2000 - 03/24/2003

NOTES:
 Page 1 of 1
 Stream 25 is Salt-Water.

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
06/12/2000	FMETL	ND	1.09	0.388	-	0.083	-
08/24/2000	FMETL	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		-
03/08/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/24/2003	FMETL	ND	ND	2.22	ND	ND	V,P

Fort Monmouth

GW Monitoring
Streams

Source 20 of 23

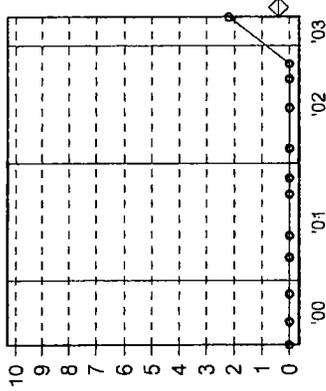


U.S. ARMY
 FORT MONMOUTH
 SELF-M-PW-EV

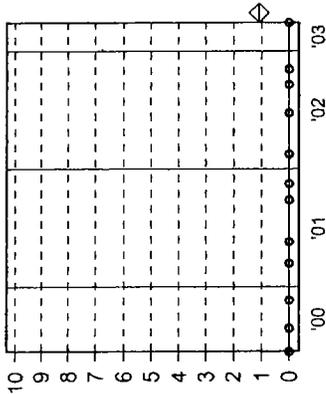
SOURCE: 25

Sampling Dates:
06/12/2000 - 03/24/2003

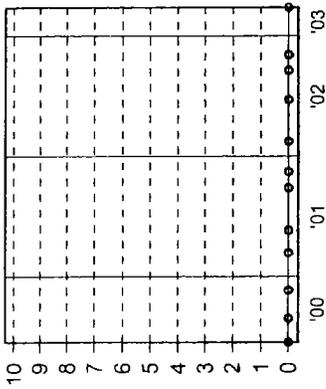
Tetrachloroethene
(ug/l)



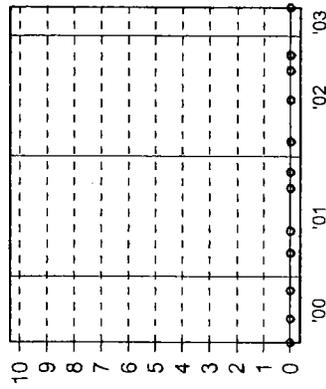
Trichloroethene
(ug/l)



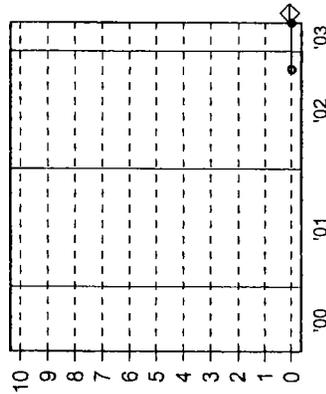
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 20 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 26
 Sampling Dates:
 06/12/2000 - 03/24/2003

NOTES:
 Page 1 of 1
 Stream 26 is Fresh-Water

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
		-	1.09	0.388	-	0.083	-
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		-
03/08/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/24/2003	FMETL	ND	ND	ND	ND	ND	V,P

Fort Monmouth

GW Monitoring
Streams

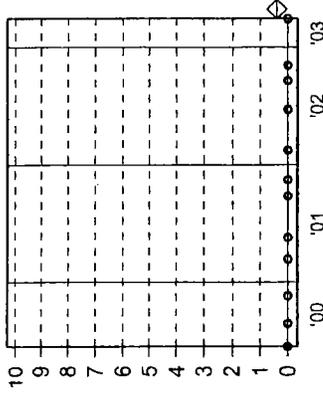
Source 21 of 23



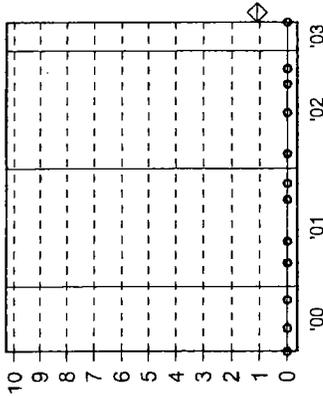
SOURCE: 26

Sampling Dates:
06/12/2000 - 03/24/2003

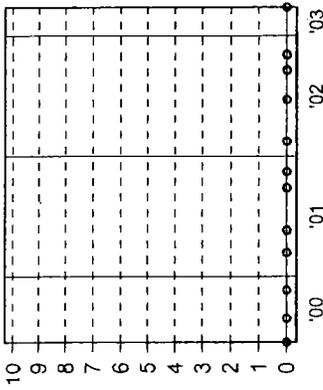
Tetrachloroethene
(ug/l)



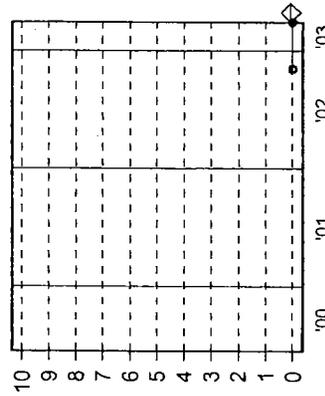
Trichloroethene
(ug/l)



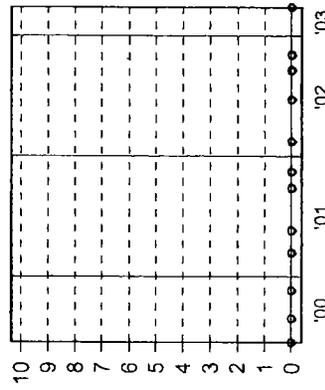
cis-1,2-Dichloroethene
(ug/l)



Vinyl Chloride
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 21 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 27

Sampling Dates:
06/12/2000 - 03/13/2003

NOTES:
Page 1 of 1
Stream 27 is Salt Water.

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
06/12/2000	FMETL	ND	1.09	0.388	-	0.083	-
08/24/2000	FMETL	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	1.72	ND		
03/08/2001	FMETL	ND	ND	1.87	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/13/2003	FMETL	ND	ND	1.71	ND	ND	V,P

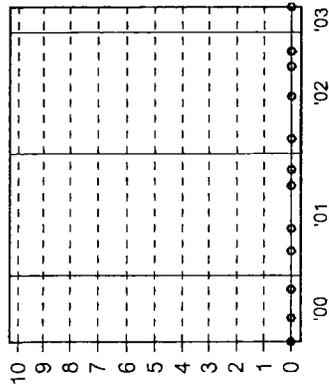
Fort Monmouth

GW Monitoring
Streams

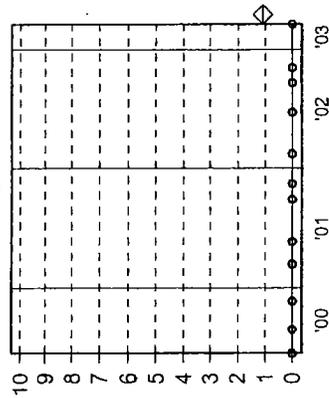
Source 22 of 23



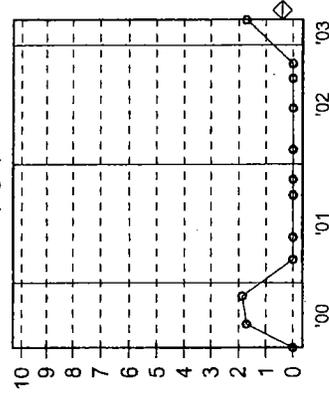
cis-1,2-Dichloroethene (ug/l)



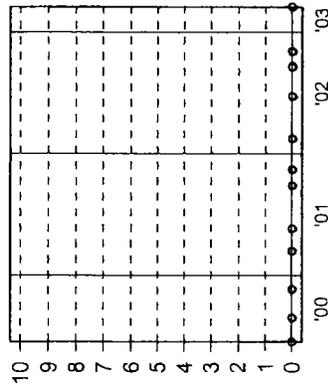
Trichloroethene (ug/l)



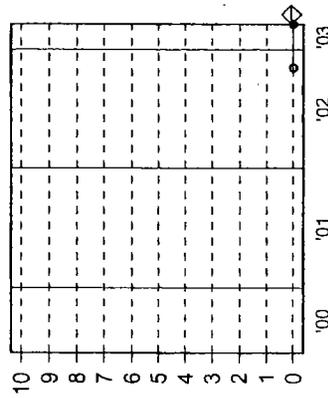
Tetrachloroethene (ug/l)



Methyl-tert-Butyl Ether (ug/l)

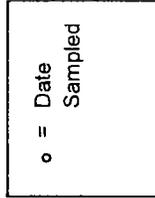


Vinyl Chloride (ug/l)



LEGEND:

PARAMETER



NJDEP Criteria

SOURCE: 27

Sampling Dates:

06/12/2000 - 03/13/2003

Fort Monmouth

GW Monitoring
Streams

Source 22 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

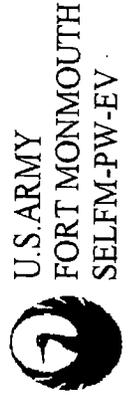
SOURCE: 28	
Sampling Dates: 06/12/2000 - 03/13/2003	
NOTES: Page 1 of 1 Stream 28 is Salt-Water cis-1,2-Dichloroethene limit is NLE TCE limit is 81 PCE limit is 4.29	

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
		-	1.09	0.388	-	0.083	-
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	1.28	1.07	3.67	ND		
11/20/2000	FMETL	ND	ND	3.60	ND		-
03/08/2001	FMETL	ND	ND	2.56	ND		-
05/16/2001	FMETL	ND	ND	2.77	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	1.55	ND		V
06/18/2002	FMETL	ND	ND	1.99	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/13/2003	FMETL	0.73	0.60	2.78	ND	ND	V,P

Fort Monmouth

GW Monitoring
Streams

Source 23 of 23



SOURCE: 28

Sampling Dates:
06/12/2000 - 03/13/2003

NOTES:

Page 1 of 1
Stream 28 is Salt-Water
cis-1,2-Dichloroethene limit is NLE
TCE limit is 81
PCE limit is 4.29

Fort Monmouth

GW Monitoring
Streams

Source 23 of 23



U.S. ARMY
FORT MONMOUTH
SELF-MONITORING PROGRAM

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
06/12/2000	FMETL	ND	1.09	0.388	-	0.083	-
08/24/2000	FMETL	1.28	1.07	3.67	ND		
11/20/2000	FMETL	ND	ND	3.60	ND		
03/08/2001	FMETL	ND	ND	2.56	ND		
05/16/2001	FMETL	ND	ND	2.77	ND		
09/25/2001	FMETL	ND	ND	ND	ND		
11/14/2001	FMETL	ND	ND	ND	ND		
02/11/2002	FMETL	ND	ND	1.55	ND		V
06/18/2002	FMETL	ND	ND	1.99	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/13/2003	FMETL	0.73	0.60	2.78	ND	ND	V,P

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732) 532-6224 FAX: (732) 532-6263

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

CERTIFICATIONS: NJDEP #13461, NYSDOH #11699



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 2nd QTR/03 Streams

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site #22	3024704	Aqueous	21-May-03 09:30	05/21/03
Stream Site #21	3024705	Aqueous	21-May-03 09:37	05/21/03
Stream Site #20	3024706	Aqueous	21-May-03 09:42	05/21/03
Stream Site #09	3024707	Aqueous	21-May-03 09:54	05/21/03
Stream Site #19	3024708	Aqueous	21-May-03 10:06	05/21/03
Stream Site #12	3024709	Aqueous	21-May-03 10:14	05/21/03
Stream Site #18	3024710	Aqueous	21-May-03 10:21	05/21/03
Stream Site #11	3024711	Aqueous	21-May-03 10:29	05/21/03
Stream Site #24	3024722	Aqueous	21-May-03 10:37	05/21/03
Stream Site #16	3024714	Aqueous	21-May-03 12:27	05/21/03
Stream Site #27	3024725	Aqueous	21-May-03 10:59	05/21/03
Stream Site #07	3024717	Aqueous	21-May-03 11:39	05/21/03
Stream Site #28	3024726	Aqueous	21-May-03 11:31	05/21/03
Stream Site #04	3024716	Aqueous	21-May-03 11:17	05/21/03
Stream Site #05	3024715	Aqueous	21-May-03 11:53	05/21/03
Stream Site #15	3024712	Aqueous	21-May-03 12:08	05/21/03
Stream Site #23	3024721	Aqueous	21-May-03 12:18	05/21/03
Stream Site #25	3024723	Aqueous	21-May-03 10:45	05/21/03
Stream Site #17	3024718	Aqueous	21-May-03 10:52	05/21/03
Stream Site #26	3024724	Aqueous	21-May-03 11:45	05/21/03
Stream Site #03	3024719	Aqueous	21-May-03 11:59	05/21/03
Stream Site #14	3024713	Aqueous	21-May-03 11:10	05/21/03
Stream Site #13	3024704	Aqueous	21-May-03 11:24	05/21/03

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, PCB's, WET CHEMISTRY


Daniel Wright/Date
Laboratory Director

6-16-03

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST METALS	Standard Methods, 18th ed.
Aluminum	3120B
Antimony	3120B
Arsenic	3120B
Barium	3120B
Beryllium	3120B
Cadmium	3120B
Calcium	3120B
Chromium	3120B
Cobalt	3120B
Copper	3120B
Iron	3120B
Lead	3120B
Magnesium	3120B
Manganese	3120B
Mercury	3112B
Nickel	3120B
Potassium	3120B
Selenium	3120B
Silver	3120B
Sodium	3120B
Thallium	3120B
Vanadium	3120B
Zinc	3120B

PARAMETER	REFERENCE
TARGET COMPOUND LIST ORGANICS	Federal Register 40 CFR Part 136 Appendix A
Base/Neutral and Acid Extractables by GC/MS	625
Purgeable Organics by GC/MS	624
Pesticide and PCB by GC	608

**US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461**

Definition of Qualifiers

MDL	:	Method Detection Limit
J	:	Compound identified below detection limit
B	:	Compound found in blank
D	:	Results are from a dilution of the sample
U	:	Compound searched for but not detected
E	:	Compound exceeds calibration limit
PQL	:	Practical Quantitation Limit
NLE	:	No limit established
RT	:	Retention time

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

Data File **VC009516.D**
 Operator **Skelton**
 Date Acquired **30-May-03**

Sample Name **MB 30May03**
 Field ID **MB 30May03**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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
 R.L. = Recovery Limit

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

Data File **VC009516.D**
 Operator **Skelton**
 Date Acquired **30-May-03**

Sample Name **MB 30May03**
 Field ID **MB 30May03**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

MB 30May03

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: MB 30May03
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009516.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/30/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC009553.D**
 Operator **Skelton**
 Date Acquired **2-Jun-03**

Sample Name **MB 02Jun03**
 Field ID **MB 02Jun03**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

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

Data File **VC009553.D**
 Operator **Skelton**
 Date Acquired **2-Jun-03**

Sample Name **MB 02Jun03**
 Field ID **MB 02Jun03**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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
 R.L. = Recovery Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

MB 02Jun03

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: MB 02Jun03
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009553.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 6/2/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC009522.D**
 Operator **Skelton**
 Date Acquired **30-May-03**

Sample Name **3024701**
 Field ID **Trip Blank**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

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

Data File VC009522.D
 Operator Skelton
 Date Aquired 30-May-03

Sample Name 3024701
 Field ID Trip Blank
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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
 R.L. = Recovery Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Trip Blank

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024701
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009522.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/30/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Freshwater Results

Data File VC009523.D
 Operator Skelton
 Date Acquired 30-May-03

Sample Name 3024702
 Field ID Field Blank
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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
 R.L. = Recovery Limit

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

Data File **VC009523.D**
 Operator **Skelton**
 Date Acquired **30-May-03**

Sample Name **3024702**
 Field ID **Field Blank**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Field Blank

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024702
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009523.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/30/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Freshwater Results

Data File **VC009524.D**
 Operator **Skelton**
 Date Acquired **30-May-03**

Sample Name **3024703**
 Field ID **Dupe**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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
 R.L. = Recovery Limit

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

Data File **VC009524.D**
 Operator **Skelton**
 Date Acquired **30-May-03**

Sample Name **3024703**
 Field ID **Dupe**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Dupe

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024703
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009524.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/30/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File VC009539.D
 Operator Skelton
 Date Acquired 31-May-03

Sample Name 3024716
 Field ID SS#04
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#04

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024716
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009539.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/31/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC009538.D**
 Operator **Skelton**
 Date Acquired **31-May-03**

Sample Name **3024715**
 Field ID **SS#05**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.88	42667	3.54 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#05

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024715
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009538.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/31/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Freshwater Results

Data File VC009536.D
 Operator Skelton
 Date Acquired 31-May-03

Sample Name 3024713
 Field ID SS#13
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7-9-6 2-Sept 97

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
 R.L. = Recovery Limit

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#13

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024713
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009536.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/31/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Freshwater Results

Data File **VC009535.D**
 Operator **Skelton**
 Date Acquired **31-May-03**

Sample Name **3024712**
 Field ID **SS#15**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.70	37077	1.89 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.89	48877	3.84 ug/L	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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
 R.L. = Recovery Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#15

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024712
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009535.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/31/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC009537.D**
 Operator **Skelton**
 Date Acquired **31-May-03**

Sample Name **3024714**
 Field ID **SS#16**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.70	36274	1.85 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.88	47063	3.68 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#16

Lab Name: FMETL NJDEP#: 13461

Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3024714

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009537.D

Level: (low/med) LOW Date Received: 5/21/2003

% Moisture: not dec. _____ Date Analyzed: 5/31/2003

GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC009525.D**
 Operator **Skelton**
 Date Acquired **30-May-03**

Sample Name **3024704**
 Field ID **SS#22**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#22

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024704
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009525.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/30/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC009528.D**
 Operator **Skelton**
 Date Acquired **30-May-03**

Sample Name **3024705**
 Field ID **SS#21**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	11.78	45868	1.34 ug/L	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#21

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024705
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009528.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/30/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC009529.D**
 Operator **Skelton**
 Date Acquired **30-May-03**

Sample Name **3024706**
 Field ID **SS#20**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	11.76	46326	1.37 ug/L	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#20

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024706
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009529.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/30/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC009530.D**
 Operator **Skelton**
 Date Acquired **31-May-03**

Sample Name **3024707**
 Field ID **SS#09**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.70	28820	1.48 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#09

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024707
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009530.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/31/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File VC009531.D
 Operator Skelton
 Date Acquired 31-May-03

Sample Name 3024708
 Field ID SS#19
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.71	59154	3.07 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#19

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024708
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009531.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/31/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Freshwater Results

Data File **VC009532.D**
 Operator **Skelton**
 Date Acquired **31-May-03**

Sample Name **3024709**
 Field ID **SS#12**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.70	72817	3.90 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	15.59	33569	1.31 ug/L	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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
 R.L. = Recovery Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#12

Lab Name: FMETL NJDEP#: 13461

Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3024709

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009532.D

Level: (low/med) LOW Date Received: 5/21/2003

% Moisture: not dec. _____ Date Analyzed: 5/31/2003

GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Freshwater Results

Data File **VC009533.D**
 Operator **Skelton**
 Date Acquired **31-May-03**

Sample Name **3024710**
 Field ID **SS#18**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.70	73904	3.92 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	15.58	33816	1.31 ug/L	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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
 R.L. = Recovery Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#18

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024710
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009533.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/31/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Freshwater Results

Data File VC009534.D
 Operator Skelton
 Date Aquired 31-May-03

Sample Name 3024711
 Field ID SS#11
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	5.16	24686	1.41 ug/L	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.71	281273	14.79 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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
 R.L. = Recovery Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#11

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024711
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009534.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/31/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File VC009540.D
 Operator Skelton
 Date Acquired 31-May-03

Sample Name 3024717
 Field ID SS#07
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.89	31503	2.67 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#07

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024717
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009540.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/31/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File VC009541.D
 Operator Skelton
 Date Acquired 31-May-03

Sample Name 3024718
 Field ID SS#17
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#17

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024718
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009541.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/31/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Freshwater Results

Data File VC009542.D
 Operator Skelton
 Date Acquired 31-May-03

Sample Name 3024719
 Field ID SS#03
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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
 R.L. = Recovery Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#03

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024719
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009542.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/31/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Freshwater Results

Data File VC009543.D
 Operator Skelton
 Date Acquired 31-May-03

Sample Name 3024720
 Field ID SS#14
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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
 R.L. = Recovery Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#14

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024720
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009543.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/31/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File VC009544.D
 Operator Skelton
 Date Acquired 31-May-03

Sample Name 3024721
 Field ID SS#23
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.71	35640	2.03 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.88	47702	4.06 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#23

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024721
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009544.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/31/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File VC009545.D
 Operator Skelton
 Date Acquired 31-May-03

Sample Name 3024722
 Field ID SS#24
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.71	35504	1.98 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.89	45493	3.94 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#24

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024722
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009545.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 5/31/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File VC009546.D
 Operator Skelton
 Date Acquired 31-May-03

Sample Name 3024723
 Field ID SS#25
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#25

Lab Name: FMETL NJDEP#: 13461

Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3024723

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009546.D

Level: (low/med) LOW Date Received: 5/21/2003

% Moisture: not dec. _____ Date Analyzed: 5/31/2003

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC009557.D**
 Operator **Skelton**
 Date Acquired **2-Jun-03**

Sample Name **3024724**
 Field ID **SS#26**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#26

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024724
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009557.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 6/2/2003
GC Column: ZB-624 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: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 005989-54-8	Cyclohexene, 1-methyl-4-(1-meth	30.18	5	JN

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

Data File **VC009558.D**
 Operator **Skelton**
 Date Acquired **2-Jun-03**

Sample Name **3024725**
 Field ID **SS#27**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.71	26314	1.38 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.88	35730	2.68 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#27

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024725
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009558.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 6/2/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC009559.D**
 Operator **Skelton**
 Date Acquired **2-Jun-03**

Sample Name **3024726**
 Field ID **SS#28**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.70	27095	1.50 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.89	32594	2.58 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

SS#28

Lab Name: FMETL NJDEP#: 13461
Project: 2ndQtr Case No.: 30247 Location: Stream SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3024726
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009559.D
Level: (low/med) LOW Date Received: 5/21/2003
% Moisture: not dec. _____ Date Analyzed: 6/2/2003
GC Column: ZB-624 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
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TABULATED ANALYTICAL REPORT
SW 846 608
Pesticides/PCB

mb 052303

Matrix: Aqueous

Date Extracted: 5/23/2003

Ext. Batch: 052303

Filename: 01341.D

Date Analysed: 5/30/2003

Analyst: A.A.

<u>CAS #</u>	<u>COMPOUNDS</u>	<u>RESULTS</u> <u>(ug/L)</u>	<u>MDL</u> <u>(ug/L)</u>
319-84-6	alpha-BHC	ND	0.0011
319-85-7	beta-BHC	ND	0.0050
58-89-9	gamma-BHC	ND	0.0013
319-86-8	delta-BHC	ND	0.0016
76-44-8	Heptachlor	ND	0.0035
309-00-2	Aldrin	ND	0.0026
1024-57-3	Heptachlor epoxide	ND	0.0020
5103-71-9	gamma-Chlordane	ND	0.0007
5103-74-2	alpha-Chlordane	ND	0.0036
959-98-8	Endosulfan I	ND	0.0016
72-55-9	4,4'-DDE	ND	0.0021
60-57-1	Dieldrin	ND	0.0020
72-20-8	Endrin	ND	0.0032
33213-65-9	Endosulfan II	ND	0.0022
72-54-8	4,4'-DDD	ND	0.0020
7421-93-4	Endrin aldehyde	ND	0.0100
50-29-3	4,4'-DDT	ND	0.0052
1031-07-8	Endosulfan sulfate	ND	0.0026
53494-70-5	Endrin ketone	ND	0.0026
72-43-5	Methoxychlor	ND	0.0100
8001-35-2	Toxaphene	ND	0.0157
12674-11-2	Arochlor 1016	ND	0.0683
11104-28-2	Arochlor 1221	ND	0.0666
11141-16-5	Arochlor 1232	ND	0.0648
53469-21-9	Arochlor 1242	ND	0.0485
12672-29-6	Arochlor 1248	ND	0.0544
11097-69-1	Arochlor 1254	ND	0.0608
11096-82-5	Arochlor 1260	ND	0.0732

MDL = METHOD DETECTION LIMIT
ND =NOT DETECTED, BELOW MDL

Initial vol. (ml): 1000.00
Final vol. (ml): 10

TABULATED ANALYTICAL REPORT
SW 846 608
Pesticides/PCB

mb 052703

Matrix: Aqueous

Date Extracted: 5/27/2003

Ext. Batch: 052703

Filename: 01361.D

Date Analysed: 6/2/2003

Analyst: A.A.

<u>CAS #</u>	<u>COMPOUNDS</u>	<u>RESULTS</u> (ug/L)	<u>MDL</u> (ug/L)
319-84-6	alpha-BHC	ND	0.0011
319-85-7	beta-BHC	ND	0.0050
58-89-9	gamma-BHC	ND	0.0013
319-86-8	delta-BHC	ND	0.0016
76-44-8	Heptachlor	ND	0.0035
309-00-2	Aldrin	ND	0.0026
1024-57-3	Heptachlor epoxide	ND	0.0020
5103-71-9	gamma-Chlordane	ND	0.0007
5103-74-2	alpha-Chlordane	ND	0.0036
959-98-8	Endosulfan I	ND	0.0016
72-55-9	4,4'-DDE	ND	0.0021
60-57-1	Dieldrin	ND	0.0020
72-20-8	Endrin	ND	0.0032
33213-65-9	Endosulfan II	ND	0.0022
72-54-8	4,4'-DDD	ND	0.0020
7421-93-4	Endrin aldehyde	ND	0.0100
50-29-3	4,4'-DDT	ND	0.0052
1031-07-8	Endosulfan sulfate	ND	0.0026
53494-70-5	Endrin ketone	ND	0.0026
72-43-5	Methoxychlor	ND	0.0100
8001-35-2	Toxaphene	ND	0.0157
12674-11-2	Arochlor 1016	ND	0.0683
11104-28-2	Arochlor 1221	ND	0.0666
11141-16-5	Arochlor 1232	ND	0.0648
53469-21-9	Arochlor 1242	ND	0.0485
12672-29-6	Arochlor 1248	ND	0.0544
11097-69-1	Arochlor 1254	ND	0.0608
11096-82-5	Arochlor 1260	ND	0.0732

MDL = METHOD DETECTION LIMIT
ND = NOT DETECTED, BELOW MDL

Initial vol. (ml): 1000.00
Final vol. (ml): 10

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: FIELDBLANK
Lab ID: 3024702
Filename: 01349.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052303
Date Extracted: 5/23/2003
Date Analyzed: 30-May-03
Dilution: 1
Analyst: A.A.

<u>CAS #</u>	<u>COMPOUNDS</u>	<u>RESULTS</u> (ug/L)	<u>Reporting Limit</u> (ug/L)	<u>Regulatory Level</u> (ug/L)	<u>Qualifier</u>	<u>MDL</u> (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: Dupe
Lab ID: 3024703
Filename: 01350.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052303
Date Extracted: 5/23/2003
Date Analyzed: 30-May-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 04
Lab ID: 3024716
Filename: 01402B.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052703
Date Extracted: 5/27/2003
Date Analyzed: 03-Jun-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 05
Lab ID: 3024715
Filename: 01401B.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052703
Date Extracted: 5/27/2003
Date Analyzed: 03-Jun-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 13
Lab ID: 3024713
Filename: 01399B.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052703
Date Extracted: 5/27/2003
Date Analyzed: 03-Jun-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 15
Lab ID: 3024712
Filename: 01398B.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052703
Date Extracted: 5/27/2003
Date Analyzed: 03-Jun-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CL.Pesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CL.Pesticides2 30m/.32mm ID/.5um.

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**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 16
Lab ID: 3024714
Filename: 01400B.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052703
Date Extracted: 5/27/2003
Date Analyzed: 03-Jun-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Decedded / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 22
Lab ID: 3024704
Filename: 01351.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052303
Date Extracted: 5/23/2003
Date Analyzed: 30-May-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CL Pesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CL Pesticides 2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 21
Lab ID: 3024705
Filename: 01352.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052303
Date Extracted: 5/23/2003
Date Analyzed: 30-May-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides 2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 20
Lab ID: 3024706
Filename: 01353.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052303
Date Extracted: 5/23/2003
Date Analyzed: 31-May-03
Dilution: 1
Analyst: A.A.

<u>CAS #</u>	<u>COMPOUNDS</u>	<u>RESULTS</u> (ug/L)	<u>Reporting Limit</u> (ug/L)	<u>Regulatory Level</u> (ug/L)	<u>Qualifier</u>	<u>MDL</u> (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 09
Lab ID: 3024707
Filename: 01354.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052303
Date Extracted: 5/23/2003
Date Analyzed: 31-May-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtrtr. '03
Field ID: SS# 19
Lab ID: 3024708
Filename: 01363.D
Lab Project : 30247

Location: Streams, 2nd Qtrtr. '03
MATRIX: Aqueous
Ext. Batch: 052703
Date Extracted: 5/27/2003
Date Analyzed: 02-Jun-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CL Pesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CL Pesticides 2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

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**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 12
Lab ID: 3024709
Filename: 01364.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052703
Date Extracted: 5/27/2003
Date Analyzed: 02-Jun-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CL.Pesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CL.Pesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 18
Lab ID: 3024710
Filename: 01365.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052703
Date Extracted: 5/27/2003
Date Analyzed: 02-Jun-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 11
Lab ID: 3024711
Filename: 01366.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052703
Date Extracted: 5/27/2003
Date Analyzed: 02-Jun-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 07
Lab ID: 3024717
Filename: 01403B.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052703
Date Extracted: 5/27/2003
Date Analyzed: 03-Jun-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 17
Lab ID: 3024718
Filename: 01404B.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052703
Date Extracted: 5/27/2003
Date Analyzed: 03-Jun-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

* Results between MDL and RL are estimated.

Column-Primary: Rtx-CL.Pesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CL.Pesticides 2 30m/.32mm ID/.5um.

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**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 03
Lab ID: 3024719
Filename: 01405B.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052703
Date Extracted: 5/27/2003
Date Analyzed: 03-Jun-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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**Report of Analysis
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EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 14
Lab ID: 3024720
Filename: 01406B.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052703
Date Extracted: 5/27/2003
Date Analyzed: 03-Jun-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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**Report of Analysis
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EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 23
Lab ID: 3024721
Filename: 01407B.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052703
Date Extracted: 5/27/2003
Date Analyzed: 03-Jun-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CL.Pesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CL.Pesticides2 30m/.32mm ID/.5um.

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**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 24
Lab ID: 3024722
Filename: 01408B.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052703
Date Extracted: 5/27/2003
Date Analyzed: 03-Jun-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 25
Lab ID: 3024723
Filename: 01409B.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052703
Date Extracted: 5/27/2003
Date Analyzed: 03-Jun-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CLPesticides 30/32mm ID/.25um.

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 26
Lab ID: 3024724
Filename: 01410B.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052703
Date Extracted: 5/27/2003
Date Analyzed: 03-Jun-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CL.Pesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CL.Pesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 27
Lab ID: 3024725
Filename: 01411B.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052703
Date Extracted: 5/27/2003
Date Analyzed: 03-Jun-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CL.Pesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CL.Pesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

173 Riverside Avenue, NJ 07703.

**Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB**

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qtr. '03
Field ID: SS# 28
Lab ID: 3024726
Filename: 01412B.D
Lab Project : 30247

Location: Streams, 2nd Qtr. '03
MATRIX: Aqueous
Ext. Batch: 052703
Date Extracted: 5/27/2003
Date Analyzed: 03-Jun-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	0.01		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.

ND =Not Detected / Below MDL.

B = Present in the associated Blank.

E = Exceeded Calibration Range, Dilution to follow.

D = Dilution.

NLE = No Limit Established.

RL = Reporting Limit.

PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000.0

Final Vol.(ml) 10.0

*Higher of PQL's and ground water criteria as per NJAC 7:9-6

*Results between MDL and RL are estimated.

Column-Primary: Rtx-CL.Pesticides 30/.32mm ID/.25um.

Column-Confirmation: Rtx-CL.Pesticides2 30m/.32mm ID/.5um.

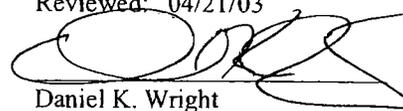
Stream Water Analysis

1st Quarter 2003

Sample ID	Date Sampled	Stream Site#	pH	Ammonia (mg/L)	Nitrates (mg/L)	Phosphate (mg/L)	Sulfate (mg/L)	DO (mg/L)	T.Coliform (cfu/100ml)	F.Coliform (cfu/100ml)	% Salinity
3024704	05/21/03	22	7.80	0.10	ND	0.19	495	8.31	60	0	24
3024705	05/21/03	21	7.80	0.22	0.27	0.23	860	8.36	120	0	25
3024706	05/21/03	20	7.77	0.23	ND	0.21	940	8.40	120	60	24
3024707	05/21/03	09	7.63	0.18	0.83	0.29	75.0	8.56	440	20	16
3024708	05/21/03	19	7.59	ND	0.81	0.08	20.4	8.62	100	0	0
3024709	05/21/03	12	7.60	ND	0.85	0.06	21.4	8.10	460	0	0
3024710	05/21/03	18	7.62	ND	0.96	0.08	21.9	8.09	260	20	0
3024711	05/21/03	11	7.67	0.18	1.17	0.13	20.4	8.71	1120	0	0
3024712	05/21/03	15	7.81	0.42	0.85	0.41	27.3	8.63	760	100	0
3024713	05/21/03	13	7.79	0.46	0.90	0.18	30.8	8.69	240	0	0
3024714	05/21/03	16	7.83	0.47	0.81	0.36	30.5	8.63	680	60	7
3024715	05/21/03	05	7.76	0.39	0.91	0.31	29.6	8.47	1540	40	11
3024716	05/21/03	04	7.78	0.47	0.74	0.46	31.4	8.51	480	40	12
3024717	05/21/03	07	7.74	0.56	0.88	0.50	29.8	8.60	780	60	10
3024718	05/21/03	17	7.65	0.34	0.79	0.41	25.3	8.63	13200	0	6
3024719	05/21/03	03	7.50	0.31	0.94	0.54	24.6	8.79	13200	100	0
3024720	05/21/03	14	7.49	0.21	1.01	0.31	23.7	8.79	2420	140	0
3024721	05/21/03	23	7.81	0.44	0.45	0.32	29.2	8.70	1880	100	0
3024722	05/21/03	24	7.83	0.48	0.60	0.30	29.4	8.60	2580	60	0
3024723	05/21/03	25	7.66	0.38	0.87	0.51	23.5	8.62	3200	40	10
3024724	05/21/03	26	7.68	0.37	0.78	0.50	23.9	8.66	2960	0	12
3024725	05/21/03	27	7.69	0.43	0.98	0.39	34.4	8.54	320	20	15
3024726	05/21/03	28	7.76	0.44	0.47	0.35	31.7	8.63	480	0	14

mg/L = Parts Per Million
 cfu = Colony Forming Units
 ND = Not detected
 TNTC = Too Numerous to Count

Completed: 04/21/03
 Reviewed: 04/21/03


 Daniel K. Wright
 Laboratory Director

6-16-03

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
		-	1.09	0.388	-	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND		
10/30/1997	FMETL	ND	ND	ND	ND		
02/10/1998	FMETL	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	ND		
11/18/1998	FMETL	ND	ND	1.09	ND		
02/25/1999	FMETL	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND		
09/22/1999	FMETL	ND	ND	ND	ND		
12/09/1999	FMETL	ND	ND	ND	ND		
03/01/2000	FMETL	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		
03/08/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/05/2002	FMETL	ND	ND	ND	ND		V,P
03/24/2003	FMETL	ND	ND	ND	ND	ND	V,P
05/21/2003	FMETL	ND	ND	ND	ND	ND	V,P

SOURCE: 3

Sampling Dates:
07/17/1997 - 05/21/2003

NOTES:

Stream 3 is Fresh-Water.
MeCl limit is 2.49 ug/L.
PCE limit is 0.388 ug/L.

Page 1 of 1

Fort Monmouth

GW Monitoring
Streams

Source 1 of 23



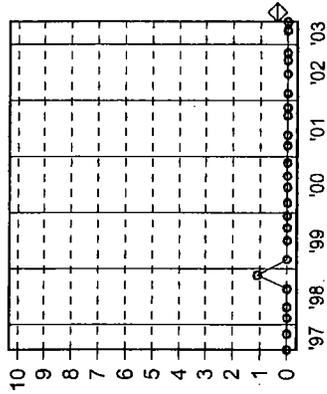
U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 3

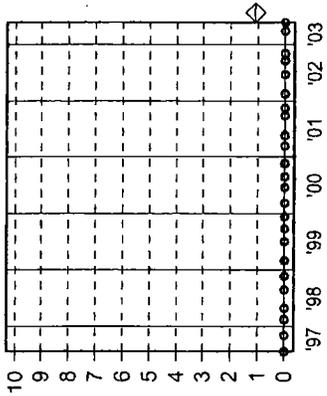
Sampling Dates:

07/17/1997 - 05/21/2003

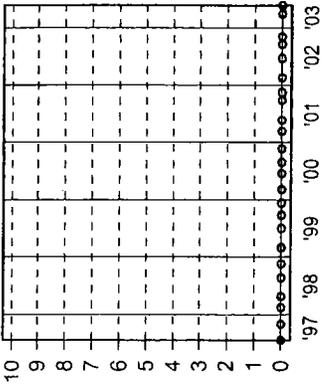
Tetrachloroethene
(ug/l)



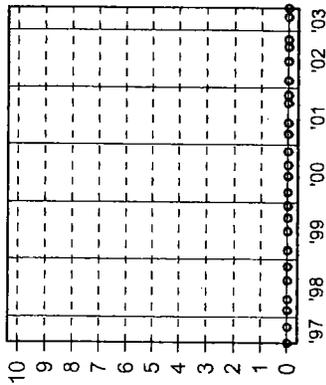
Trichloroethene
(ug/l)



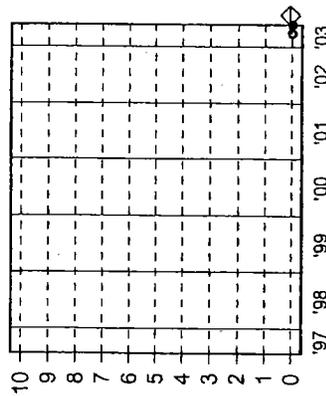
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 1 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
		-	1.09	0.388	-	0.083	-
04/08/1997	FMETL	2.18	ND	ND	ND		
07/17/1997	FMETL	1.63	ND	1.61	ND		
10/30/1997	FMETL	ND	ND	1.24	ND		
02/10/1998	FMETL	ND	ND	6.61	ND		
04/21/1998	FMETL	ND	ND	4.42	ND		
08/19/1998	FMETL	1.92	1.10	2.85	ND		
11/17/1998	FMETL	1.19	ND	1.62	ND		
02/25/1999	FMETL	ND	ND	5.61	ND		
06/29/1999	FMETL	2.41	1.56	5.27	ND		
09/22/1999	FMETL	2.02	ND	1.85	ND		
12/09/1999	FMETL	ND	ND	ND	ND		
03/01/2000	FMETL	1.23	1.26	6.18	2.18		
06/12/2000	FMETL	ND	ND	4.37	ND		
08/24/2000	FMETL	1.19	1.19	3.19	ND		
11/20/2000	FMETL	ND	ND	3.70	ND		-
03/08/2001	FMETL	ND	ND	2.52	ND		-
05/16/2001	FMETL	ND	ND	2.95	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	1.64	ND		V
06/18/2002	FMETL	ND	ND	1.97	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND		V,P
03/13/2003	FMETL	0.57	0.51	2.33	ND	ND	V,P
05/21/2003	FMETL	ND	ND	ND	ND	ND	V,P

SOURCE: 4

Sampling Dates:
04/08/1997 - 05/21/2003

NOTES:

PAGE 1 OF 1
Stream 4 is Salt-Water.
MTBE limit is NLE
cis-1,2-Di limit is NLE
TCE limit is 81
PCE limit is 4.29

Fort Monmouth

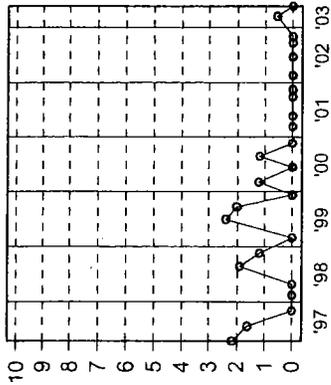
GW Monitoring
Streams

Source 2 of 23

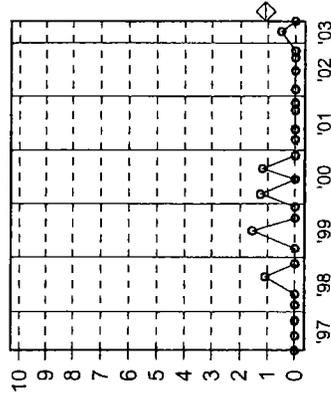


U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

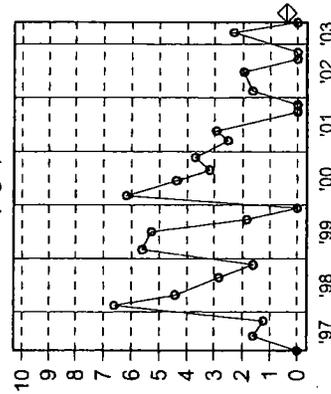
cis-1,2-Dichloroethene (ug/l)



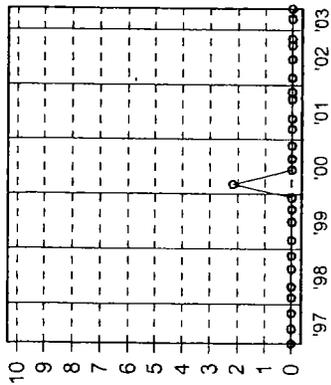
Trichloroethene (ug/l)



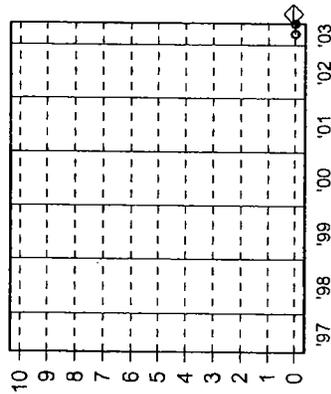
Tetrachloroethene (ug/l)



Methyl-tert-Butyl Ether (ug/l)



Vinyl Chloride (ug/l)

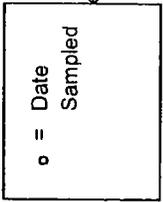


SOURCE: 4

Sampling Dates:
04/08/1997 - 05/21/2003

LEGEND:

PARAMETER



NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 2 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	-	1.09	0.388	-	0.083	-
04/08/1997	FMETL	1.80	ND	2.28	ND		
07/17/1997	FMETL	3.66	ND	3.54	ND		
10/30/1997	FMETL	1.83	ND	1.70	ND		
02/10/1998	FMETL	ND	ND	6.34	ND		
04/21/1998	FMETL	ND	ND	4.48	ND		
08/19/1998	FMETL	2.28	1.27	3.39	ND		
11/17/1998	FMETL	1.67	ND	2.17	ND		
02/25/1999	FMETL	ND	ND	5.45	ND		
06/29/1999	FMETL	2.74	1.74	6.04	ND		
09/22/1999	FMETL	1.96	ND	1.82	ND		
12/09/1999	FMETL	1.60	ND	3.82	ND		
03/01/2000	FMETL	1.27	1.36	6.62	2.34		
06/12/2000	FMETL	ND	ND	4.38	ND		
08/24/2000	FMETL	1.19	ND	3.44	ND		
11/20/2000	FMETL	ND	ND	3.58	ND		-
03/08/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	0.97	ND	4.09	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	1.51	ND	1.99	ND		-
02/11/2002	FMETL	ND	ND	2.44	ND		V
06/18/2002	FMETL	ND	ND	2.39	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND		V,P
03/13/2003	FMETL	0.81	0.71	3.08	ND	ND	V,P
05/21/2003	FMETL	ND	ND	3.54	ND	ND	V,P

SOURCE: 5

Sampling Dates:
04/08/1997 - 05/21/2003

NOTES:

Page 1 of 1
Stream 5 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.

Fort Monmouth

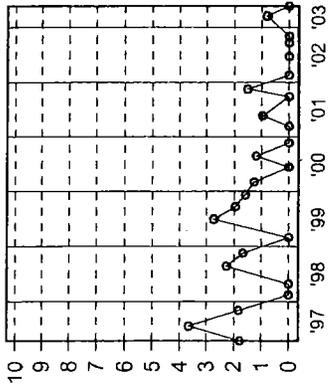
GW Monitoring
Streams

Source 3 of 23

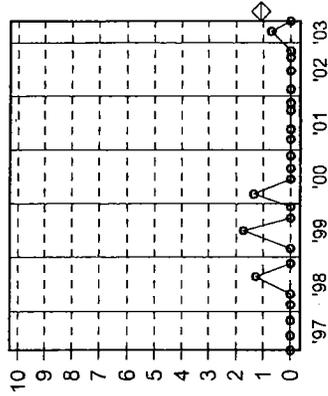


U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

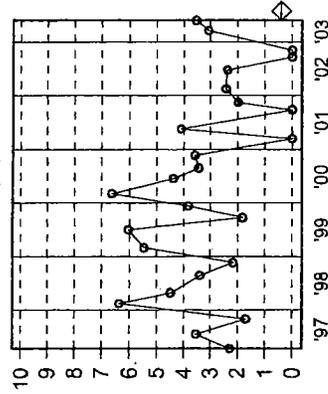
cis-1,2-Dichloroethene
(ug/l)



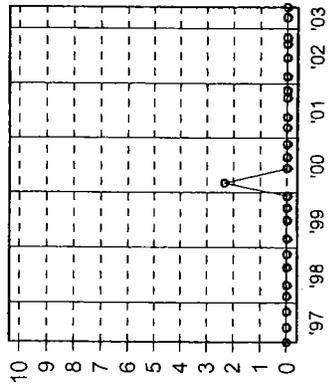
Trichloroethene
(ug/l)



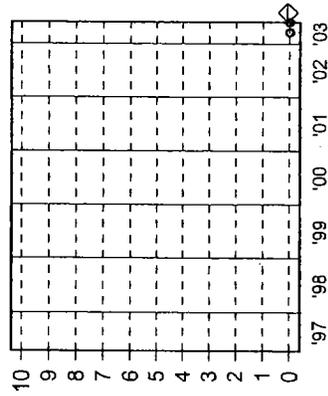
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP Criteria

SOURCE: 5

Sampling Dates:

04/08/1997 - 05/21/2003

Fort Monmouth

GW Monitoring
Streams

Source 3 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
04/08/1997	FMETL	ND	ND	ND	ND	0.083	-
07/17/1997	FMETL	1.14	ND	1.08	ND		-
10/30/1997	FMETL	ND	ND	ND	ND		
02/10/1998	FMETL	ND	ND	2.04	ND		
04/21/1998	FMETL	ND	ND	2.40	ND		
08/19/1998	FMETL	ND	ND	ND	ND		
11/17/1998	FMETL	ND	ND	ND	ND		
02/25/1999	FMETL	ND	ND	2.85	ND		
06/29/1999	FMETL	ND	ND	1.42	2.00		
09/22/1999	FMETL	ND	ND	ND	ND		
12/09/1999	FMETL	ND	ND	ND	ND		
03/01/2000	FMETL	1.19	1.30	6.47	2.14		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	1.77	ND		
11/20/2000	FMETL	ND	ND	1.94	ND		
03/08/2001	FMETL	ND	ND	ND	ND		
05/16/2001	FMETL	ND	ND	ND	ND		
09/25/2001	FMETL	ND	ND	ND	ND		
11/14/2001	FMETL	ND	ND	ND	ND		
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND		V,P
03/13/2003	FMETL	ND	ND	1.61	ND	ND	V,P
05/21/2003	FMETL	ND	ND	2.67	ND	ND	V,P

SOURCE: 7

Sampling Dates:
04/08/1997 - 05/21/2003

NOTES:

Page 1 of 1
Stream 7 is Salt-Water.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.
Acetone limit is NLE.

Fort Monmouth

GW Monitoring
Streams

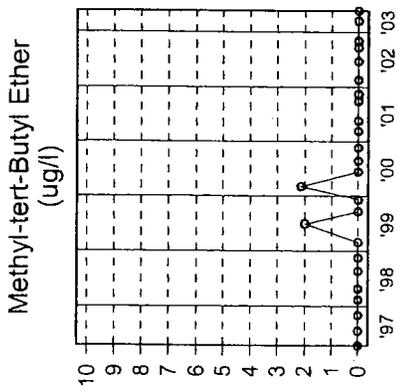
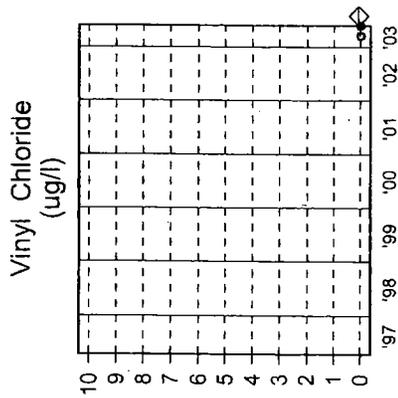
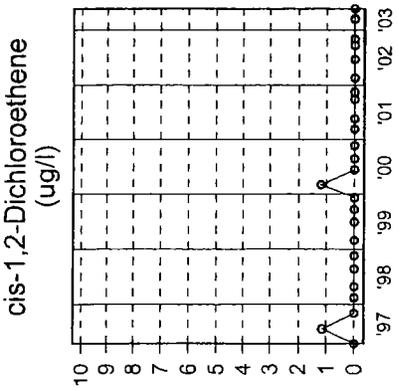
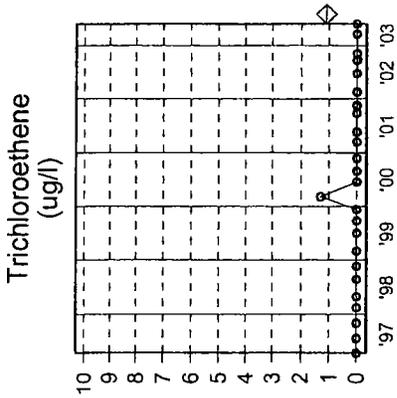
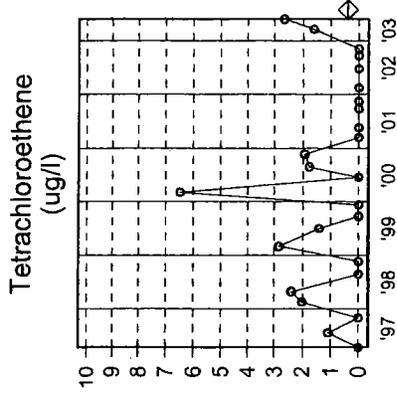
Source 4 of 23



**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

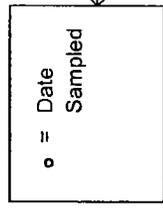
SOURCE: 7

Sampling Dates:
04/08/1997 - 05/21/2003



LEGEND:

PARAMETER



NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 4 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 9
 Sampling Dates:
 04/08/1997 - 05/21/2003

NOTES:
 PAGE 1 OF 1
 Stream 9 is Salt-Water.
 MeCl limit is 1600 ug/L.
 cis-1,2-Di limit is NLE.
 Acetone limit is NLE.

Fort Monmouth

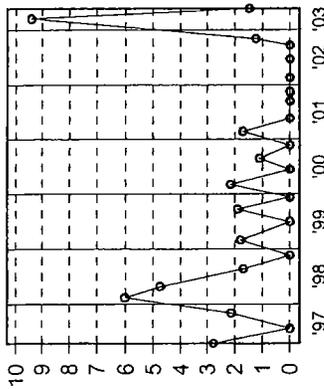
GW Monitoring
 Streams

Source 5 of 23

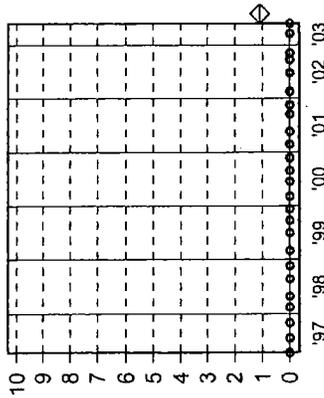
Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	-	1.09	0.388	-	0.093	-
04/08/1997	FMETL	2.78	ND	ND	ND		
07/17/1997	FMETL	ND	ND	ND	ND		
10/30/1997	FMETL	2.14	ND	ND	ND		
02/10/1998	FMETL	6.00	ND	ND	ND		
04/21/1998	FMETL	4.73	ND	ND	ND		
08/19/1998	FMETL	1.69	ND	ND	ND		
11/17/1998	FMETL	ND	ND	ND	ND		
02/25/1999	FMETL	1.78	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND		
09/21/1999	FMETL	1.91	ND	ND	ND		
12/09/1999	FMETL	ND	ND	ND	ND		
03/01/2000	FMETL	2.17	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	1.11	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		
11/20/2000D	FMETL	ND	ND	ND	ND		
02/21/2001	FMETL	1.72	ND	ND	ND		
05/16/2001	FMETL	ND	ND	ND	ND		
09/11/2001	FMETL	ND	ND	ND	ND		
11/14/2001	FMETL	ND	ND	ND	ND		V
02/11/2002	FMETL	ND	ND	ND	ND		V,P
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	1.24	ND	ND	ND		V,P
03/13/2003	FMETL	9.40	ND	ND	ND	ND	V,P
05/21/2003	FMETL	1.48	ND	ND	ND	ND	V,P



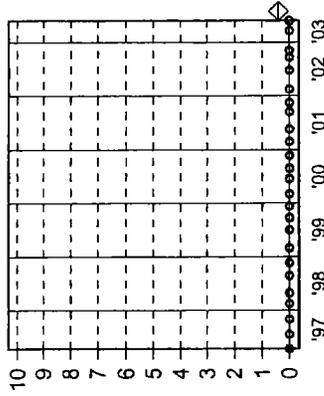
cis-1,2-Dichloroethene (ug/l)



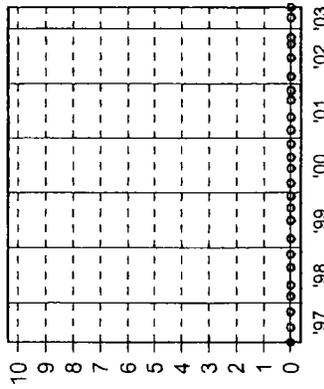
Trichloroethene (ug/l)



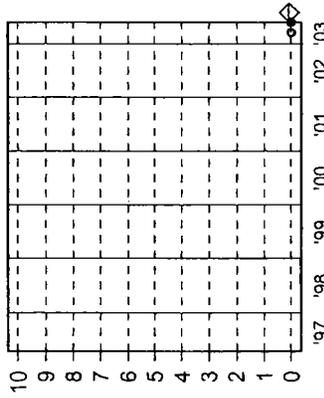
Tetrachloroethene (ug/l)



Methyl-tert-Butyl Ether (ug/l)



Vinyl Chloride (ug/l)



LEGEND:

PARAMETER



NJDEP Criteria

SOURCE: 9

Sampling Dates:
04/08/1997 - 05/21/2003

Fort Monmouth

GW Monitoring
Streams

Source 5 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 11
 Sampling Dates: 04/08/1997 - 05/21/2003

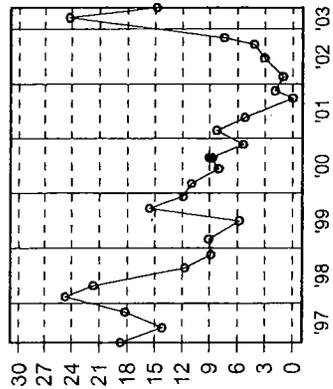
NOTES:
 Page 1 of 1
 Stream 11 is Fresh-Water.
 cis-1,2-Di limit is NLE.
 TCE limit is 1.09 ug/L.
 MTBE limit is NLE.

Fort Monmouth
 GW Monitoring
 Streams
 Source 6 of 23

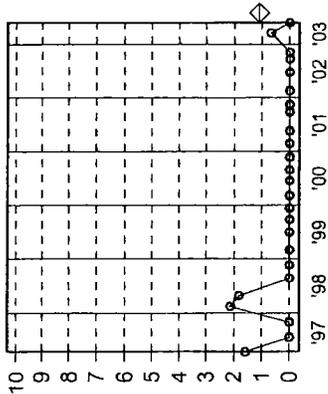
Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
		-	1.09	0.388	-	0.083	-
04/08/1997	FMETL	18.72	1.58	ND	ND		
07/17/1997	FMETL	14.13	ND	ND	ND		
10/30/1997	FMETL	18.23	ND	ND	ND		
02/10/1998	FMETL	24.71	2.14	ND	ND		
04/21/1998	FMETL	21.66	1.82	ND	ND		
08/19/1998	FMETL	11.73	ND	ND	ND		
11/18/1998	FMETL	8.82	ND	ND	ND		
02/25/1999	FMETL	9.11	ND	ND	ND		
06/29/1999	FMETL	5.77	ND	ND	ND		
09/21/1999	FMETL	15.62	ND	ND	ND		
12/09/1999	FMETL	11.90	ND	ND	ND		
03/01/2000	FMETL	11.01	ND	ND	1.64		
06/12/2000	FMETL	8.03	ND	ND	ND		
08/24/2000	FMETL	9.08	ND	ND	ND		
08/24/2000D	FMETL	8.70	ND	ND	ND		
11/20/2000	FMETL	5.34	ND	ND	ND		-
02/21/2001	FMETL	8.26	ND	ND	ND		-
05/16/2001	FMETL	5.21	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	1.93	ND	ND	ND		-
02/11/2002	FMETL	1.05	ND	ND	ND		V
06/18/2002	FMETL	3.08	ND	ND	ND		V/P
09/18/2002	FMETL	4.17	ND	ND	ND		V/P
11/05/2002	FMETL	7.48	ND	ND	ND	1.33	V/P
03/13/2003	FMETL	24.28	0.67	ND	0.79	3.37	V/P
05/21/2003	FMETL	14.79	ND	ND	ND	1.41	V/P



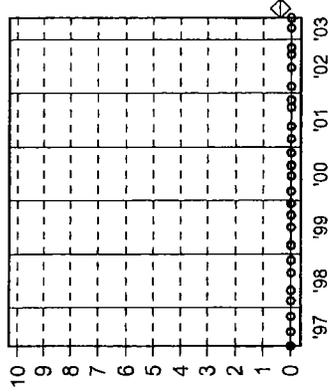
cis-1,2-Dichloroethene
(ug/l)



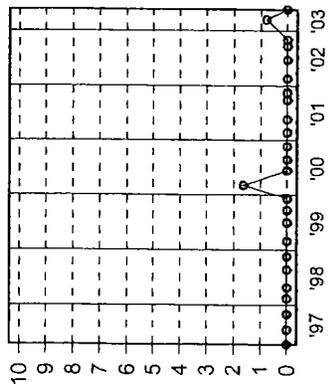
Trichloroethene
(ug/l)



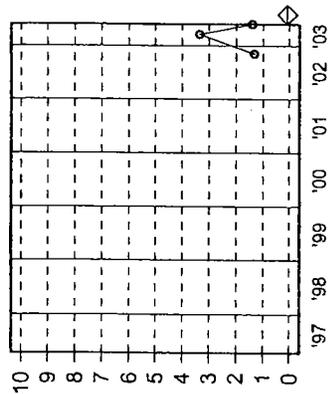
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)

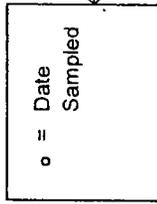


SOURCE: 11

Sampling Dates:
04/08/1997 - 05/21/2003

LEGEND:

PARAMETER



Fort Monmouth

GW Monitoring
Streams

Source 6 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:		cis-1,2-di chloro ethene		Trichloro ethene		Tetrachloro ethene		Methyl-tert Butyl ether		Vinyl Chloride		Notes	
Lab	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	
-	-	-	1.09	0.388	-	-	-	-	-	0.083	-	-	
NJDEP Criteria:													
04/08/1997	FMETL	6.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
07/17/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
10/30/1997	FMETL	5.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
02/10/1998	FMETL	6.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
04/21/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
08/19/1998	FMETL	4.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
11/18/1998	FMETL	2.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
02/25/1999	FMETL	1.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
06/29/1999	FMETL	1.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
09/21/1999	FMETL	3.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
12/09/1999	FMETL	2.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
03/01/2000	FMETL	3.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
08/24/2000	FMETL	2.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
11/20/2000	FMETL	1.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
02/21/2001	FMETL	1.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
05/16/2001	FMETL	1.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
05/16/2001D	FMETL	1.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
09/11/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
11/14/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
02/11/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	V
06/18/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,P
09/18/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,P
11/05/2002	FMETL	5.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,P
03/13/2003	FMETL	9.43	ND	ND	ND	ND	ND	1.18	1.30	1.30	1.30	1.30	V,P
05/21/2003	FMETL	3.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,P

SOURCE: 12

Sampling Dates:
04/08/1997 - 05/21/2003

NOTES:

Page 1 of 1
Stream 12 is Fresh-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

Fort Monmouth

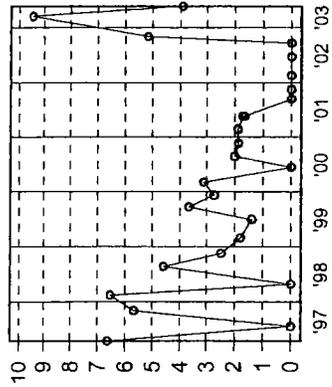
GW Monitoring
Streams

Source 7 of 23

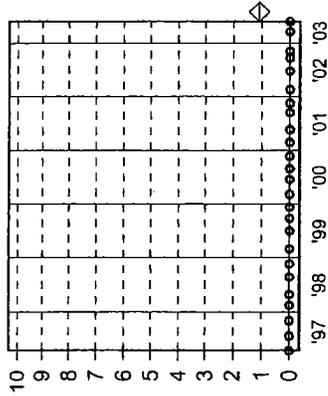


U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

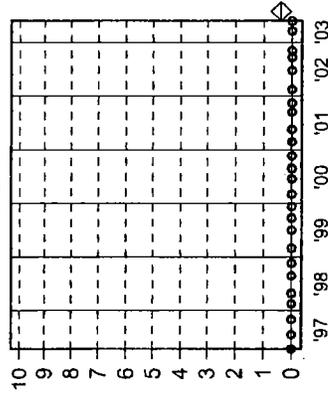
cis-1,2-Dichloroethene (ug/l)



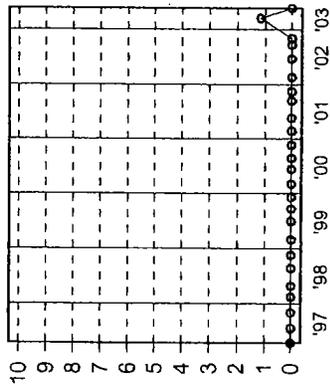
Trichloroethene (ug/l)



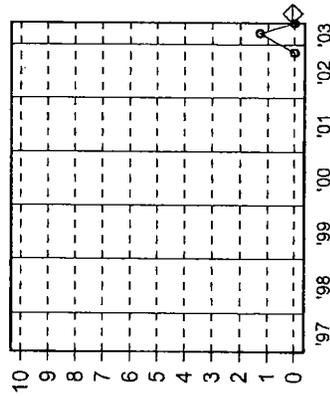
Tetrachloroethene (ug/l)



Methyl-tert-Butyl Ether (ug/l)



Vinyl Chloride (ug/l)



SOURCE: 12

Sampling Dates:
04/08/1997 - 05/21/2003

LEGEND:

PARAMETER

o = Date Sampled

◊ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 7 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	ND	ND	ND	ND	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND		
10/30/1997	FMETL	ND	ND	ND	ND		
02/10/1998	FMETL	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	ND		
11/18/1998	FMETL	ND	ND	ND	ND		
02/25/1999	FMETL	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND		
09/22/1999	FMETL	ND	ND	ND	ND		
12/09/1999	FMETL	ND	ND	3.94	ND		
03/01/2000	FMETL	1.35	1.40	6.92	2.40		
06/12/2000	FMETL	ND	ND	5.56	ND		
08/24/2000	FMETL	2.17	1.78	5.40	ND		
11/20/2000	FMETL	ND	ND	6.58	ND		-
02/21/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/05/2002	FMETL	ND	ND	1.46	ND	ND	V,P
03/24/2003	FMETL	ND	ND	ND	ND	ND	V,P
05/21/2003	FMETL	ND	ND	ND	ND	ND	V,P

SOURCE: 13

Sampling Dates:
04/08/1997 - 05/21/2003

NOTES:

Page 1 of 1
Stream 13 is Fresh-Water.
MeCl limit is 2.49 ug/L.
cis-1,2-Di limit is NLE.
TCE limit is 1.09.
PCE limit is 0.388 ug/L.
Acetone limit is NLE.
MTBE limit is NLE.

Fort Monmouth

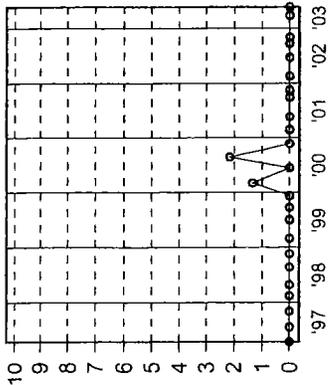
GW Monitoring
Streams

Source 8 of 23

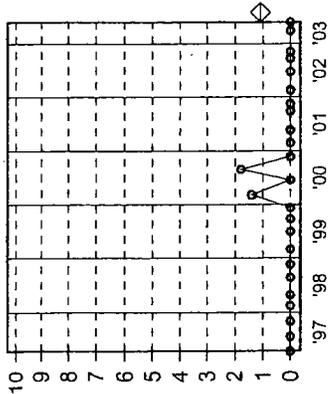


**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

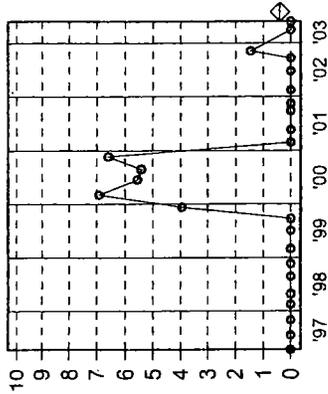
cis-1,2-Dichloroethene (ug/l)



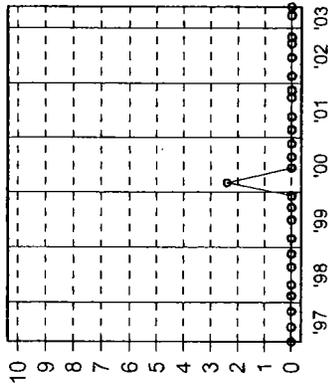
Trichloroethene (ug/l)



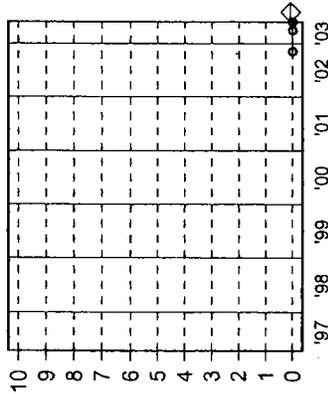
Tetrachloroethene (ug/l)



Methyl-tert-Butyl Ether (ug/l)

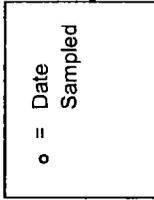


Vinyl Chloride (ug/l)



LEGEND:

PARAMETER



NJDEP Criteria

SOURCE: 13

Sampling Dates:

04/08/1997 - 05/21/2003

Fort Monmouth

GW Monitoring
Streams

Source 8 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	ND	ND	ND	ND	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND		
10/30/1997	FMETL	1.59	1.75	ND	ND		
02/10/1998	FMETL	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	ND		
11/18/1998	FMETL	ND	ND	ND	ND		
02/25/1999	FMETL	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND		
09/22/1999	FMETL	ND	ND	ND	ND		
12/09/1999	FMETL	11.26	ND	ND	ND		
03/01/2000	FMETL	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		
03/08/2001	FMETL	ND	ND	ND	ND		
03/08/2001D	FMETL	ND	ND	ND	ND		
05/16/2001	FMETL	ND	ND	ND	ND		
09/25/2001	FMETL	ND	ND	ND	ND		
11/14/2001	FMETL	ND	ND	ND	ND		
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/05/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/24/2003	FMETL	ND	ND	ND	ND	ND	V,P
05/21/2003	FMETL	ND	ND	ND	ND	ND	V,P

SOURCE: 14

Sampling Dates:
04/08/1997 - 05/21/2003

NOTES:

Page 1 of 1
Stream 14 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09.
Acetone limit is NLE.

Fort Monmouth

GW Monitoring
Streams

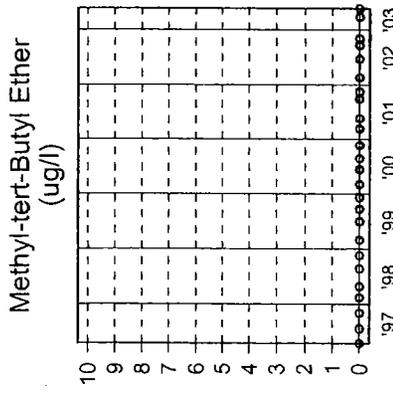
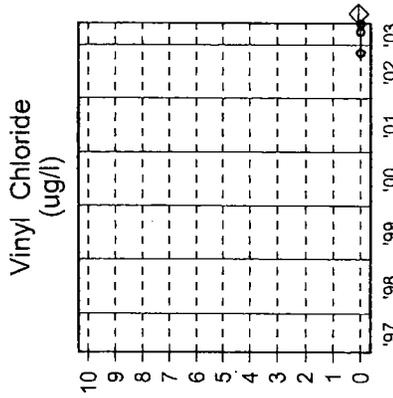
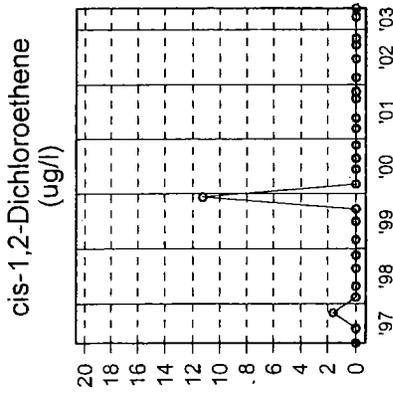
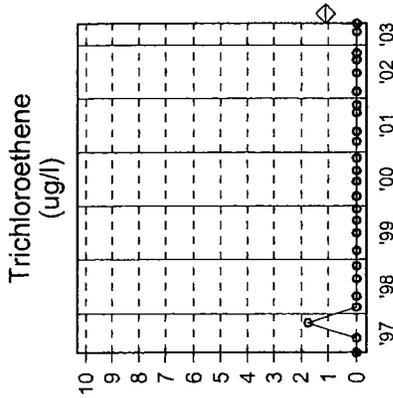
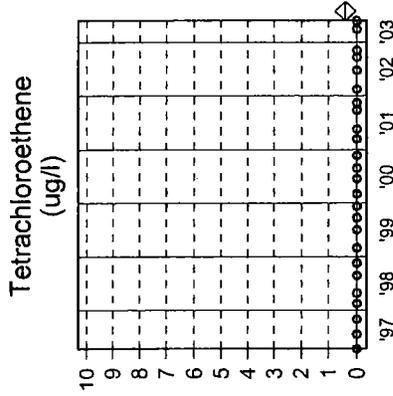
Source 9 of 23



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

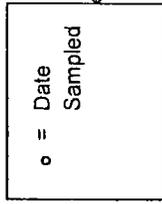
SOURCE: 14

Sampling Dates:
04/08/1997 - 05/21/2003



LEGEND:

PARAMETER



NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 9 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 15									
Sampling Dates: 04/08/1997 - 05/21/2003									
NOTES: Page 1 of 1 Stream 15 is Fresh-Water. cis-1,2-Di limit is NLE. TCE limit is 1.09 ug/L. PCE limit is 0.388 ug/L. MTBE limit is NLE.									
Units:	Lab	cis-1,2-di chloro ethene ug/l	Trichloro ethene ug/l	Tetrachloro ethene ug/l	Methyl-tert Butyl ether ug/l	Vinyl Chloride ug/l			Notes
NJDEP Criteria:	-	-	1.09	0.388	-	0.083			-
04/08/1997	FMETL	2.69	1.60	6.00	ND				
07/17/1997	FMETL	5.53	2.50	7.12	ND				
10/30/1997	FMETL	2.57	ND	2.72	ND				
02/10/1998	FMETL	ND	1.03	6.90	ND				
04/21/1998	FMETL	1.22	1.21	5.72	ND				
08/19/1998	FMETL	3.89	2.06	5.39	ND				
11/18/1998	FMETL	ND	ND	ND	ND				
02/25/1999	FMETL	ND	ND	7.33	ND				
06/29/1999	FMETL	4.17	2.40	7.86	ND				
09/21/1999	FMETL	3.59	1.37	2.61	ND				
12/09/1999	FMETL	ND	ND	4.08	ND				
03/01/2000	FMETL	1.39	1.39	6.95	2.38				
06/12/2000	FMETL	ND	ND	5.94	ND				
08/24/2000	FMETL	2.02	1.09	5.20	ND				
11/20/2000	FMETL	ND	ND	6.29	ND				-
02/21/2001	FMETL	ND	ND	7.19	ND				-
05/16/2001	FMETL	1.50	ND	6.64	ND				-
09/25/2001	FMETL	ND	ND	ND	ND				-
09/25/2001D	FMETL	ND	ND	ND	ND				-
11/14/2001	FMETL	3.09	ND	3.49	ND				-
02/11/2002	FMETL	ND	ND	2.65	ND				V
06/18/2002	FMETL	1.63	ND	2.67	ND				V,P
09/18/2002	FMETL	2.39	ND	2.55	ND				V,P
11/05/2002	FMETL	ND	ND	1.52	ND	ND			V,P
03/24/2003	FMETL	1.44	1.11	3.96	ND	ND			V,P
05/21/2003	FMETL	1.89	ND	3.84	ND	ND			V,P

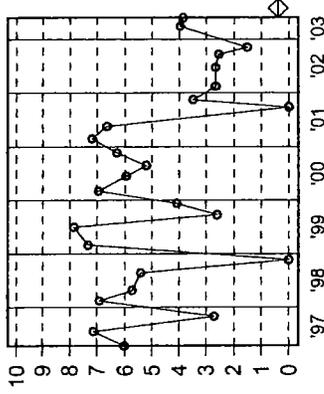
Fort Monmouth
GW Monitoring
Streams
Source 10 of 23



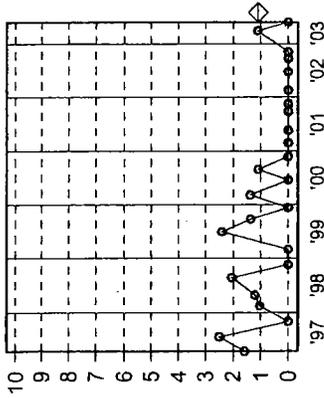
SOURCE: 15

Sampling Dates:
04/08/1997 - 05/21/2003

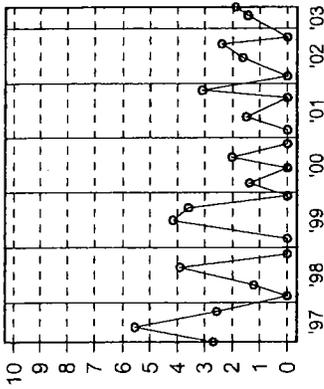
Tetrachloroethene
(ug/l)



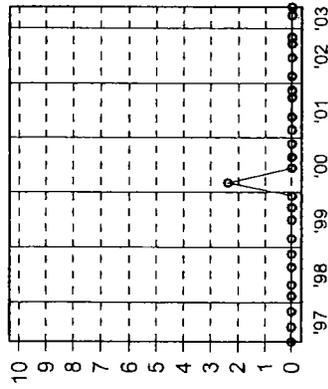
Trichloroethene
(ug/l)



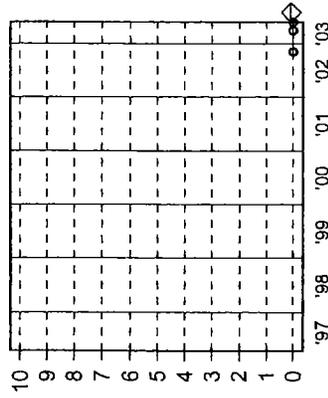
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)

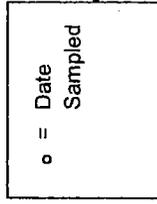


Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER



NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 10 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	-	1.09	0.388	-	0.083	-
04/08/1997	FMETL	2.05	1.26	4.47	ND		
07/17/1997	FMETL	2.55	ND	4.72	ND		
10/30/1997	FMETL	1.76	ND	1.86	ND		
02/10/1998	FMETL	ND	ND	6.23	ND		
04/21/1998	FMETL	ND	ND	4.58	ND		
08/19/1998	FMETL	2.94	1.63	4.33	ND		
11/18/1998	FMETL	ND	ND	1.48	ND		
02/25/1999	FMETL	ND	ND	6.06	ND		
06/29/1999	FMETL	3.56	2.25	7.70	ND		
09/22/1999	FMETL	2.74	ND	2.63	ND		
12/09/1999	FMETL	1.79	ND	4.13	ND		
03/01/2000	FMETL	1.28	1.27	6.47	2.33		
06/12/2000	FMETL	ND	ND	3.74	ND		
08/24/2000	FMETL	1.68	1.28	4.47	ND		
11/20/2000	FMETL	ND	ND	4.49	ND		
02/21/2001	FMETL	ND	ND	6.25	ND		
05/16/2001	FMETL	1.23	ND	4.91	ND		
09/25/2001	FMETL	ND	ND	ND	ND		
11/14/2001	FMETL	1.41	ND	2.00	ND		
02/11/2002	FMETL	ND	ND	2.47	ND		V
06/18/2002	FMETL	1.35	ND	2.46	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/05/2002	FMETL	ND	ND	1.49	ND	ND	V,P
03/13/2003	FMETL	0.90	0.74	3.21	ND	ND	V,P
05/21/2003	FMETL	1.85	ND	3.68	ND	ND	V,P

SOURCE: 16

Sampling Dates:

04/08/1997 - 05/21/2003

NOTES:

Page 1 of 1
Stream 16 is Salt-Water.
cis-1,2-di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 11 of 23

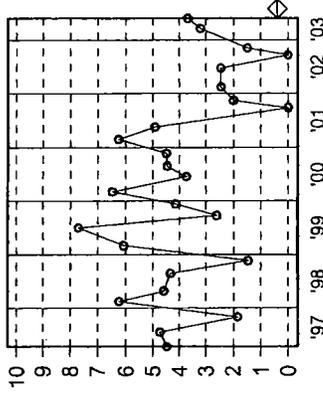


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FORT MONMOUTH
SELF-M-PW-EV

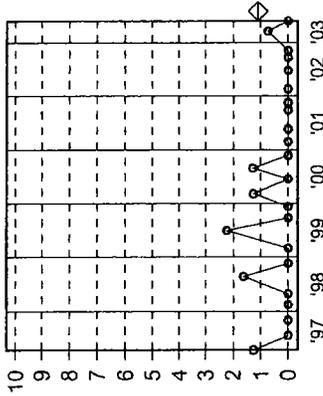
SOURCE: 16

Sampling Dates:
04/08/1997 - 05/21/2003

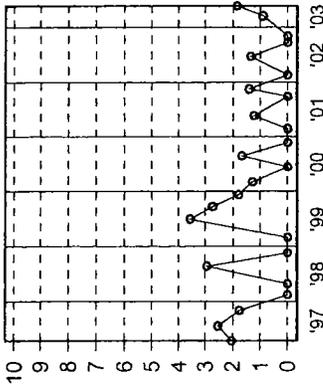
Tetrachloroethene
(ug/l)



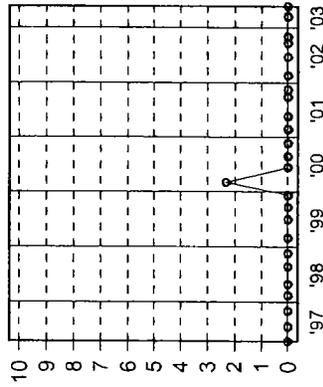
Trichloroethene
(ug/l)



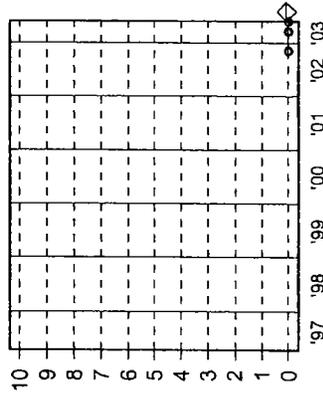
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 11 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	ND	1.09	0.388	-	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND		
10/30/1997	FMETL	ND	ND	ND	ND		
02/10/1998	FMETL	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	ND		
11/18/1998	FMETL	4.43	2.12	5.09	ND		
02/25/1999	FMETL	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND		
09/22/1999	FMETL	1.09	ND	ND	ND		
12/09/1999	FMETL	ND	ND	ND	ND		
03/01/2000	FMETL	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		
03/08/2001	FMETL	ND	ND	ND	ND		
05/16/2001	FMETL	ND	ND	ND	ND		
09/25/2001	FMETL	ND	ND	ND	ND		
11/14/2001	FMETL	ND	ND	ND	ND		
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/24/2003	FMETL	ND	ND	ND	ND	ND	V,P
05/21/2003	FMETL	ND	ND	ND	ND	ND	V,P

SOURCE: 17

Sampling Dates:
04/08/1997 - 05/21/2003

NOTES:

Page 1 of 1
stream 17 is Salt-Water.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
Acetone limit is NLE.
Chlorobenzene limit is 21000 ug/L.

Fort Monmouth

GW Monitoring
Streams

Source 12 of 23

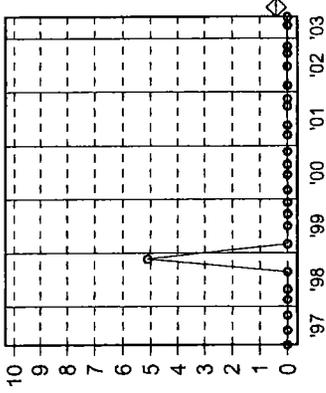


U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

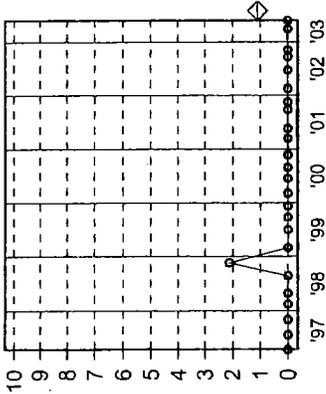
SOURCE: 17

Sampling Dates:
04/08/1997 - 05/21/2003

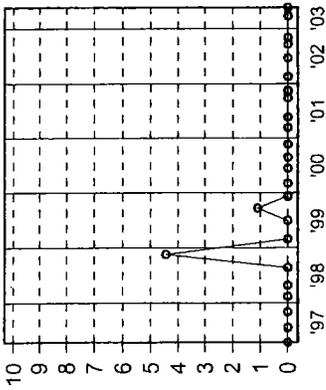
**Tetrachloroethene
(ug/l)**



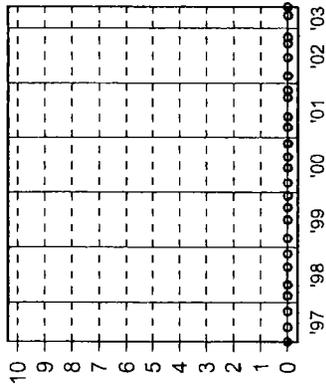
**Trichloroethene
(ug/l)**



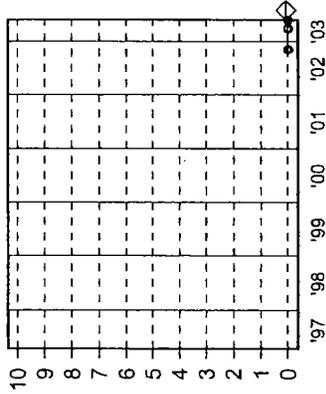
**cis-1,2-Dichloroethene
(ug/l)**



**Methyl-tert-Butyl Ether
(ug/l)**



**Vinyl Chloride
(ug/l)**



LEGEND:

PARAMETER

- o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 12 of 23, Graph



**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
		-	1.09	0.388	-	0.083	-
04/08/1997	FMETL	ND	ND	ND	ND		
07/17/1997	FMETL	1.06	ND	ND	ND		
10/30/1997	FMETL	5.87	ND	ND	ND		
02/10/1998	FMETL	14.36	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	4.65	ND	ND	ND		
11/18/1998	FMETL	3.18	ND	ND	ND		
02/25/1999	FMETL	3.95	ND	ND	ND		
06/29/1999	FMETL	1.47	ND	ND	ND		
09/21/1999	FMETL	4.67	ND	ND	ND		
12/09/1999	FMETL	4.90	ND	ND	ND		
03/01/2000	FMETL	5.57	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	2.46	ND	ND	ND		
11/20/2000	FMETL	1.80	ND	ND	ND		-
02/21/2001	FMETL	4.10	ND	ND	ND		-
05/16/2001	FMETL	1.45	ND	ND	ND		-
09/11/2001	FMETL	ND	ND	ND	ND		-
09/11/2001D	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/05/2002	FMETL	5.14	ND	ND	ND	ND	V,P
03/13/2003	FMETL	17.75	0.52	ND	0.67	2.33	V,P
05/21/2003	FMETL	3.92	ND	ND	ND	ND	V,P

SOURCE: 18

Sampling Dates:
04/08/1997 - 05/21/2003

NOTES:

Page 1 of 1
Stream 18 is Fresh-Water.
cis-1,2-DI limit is NLE.

Fort. Monmouth

GW Monitoring
Streams

Source 13 of 23

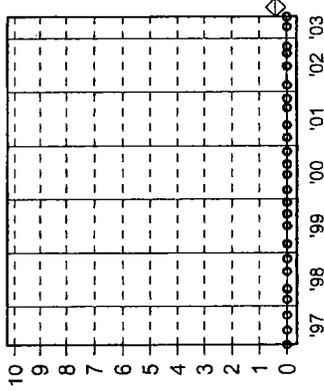


U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

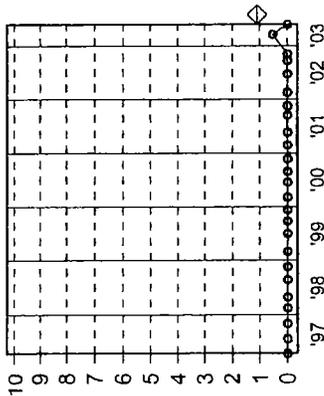
SOURCE: 18

Sampling Dates:
04/08/1997 - 05/21/2003

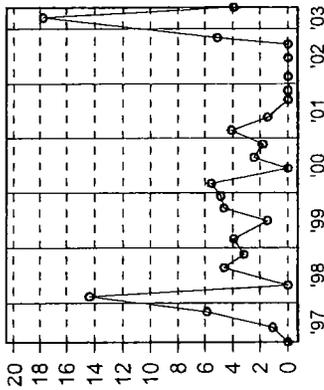
**Tetrachloroethene
(ug/l)**



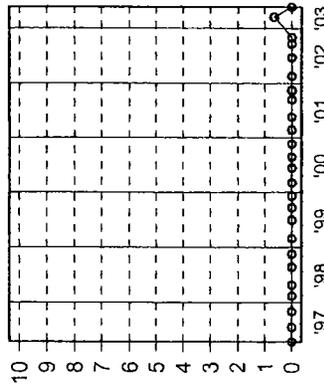
**Trichloroethene
(ug/l)**



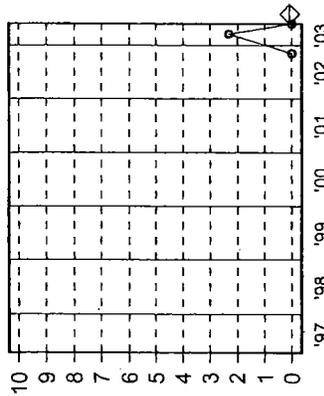
**cis-1,2-Dichloroethene
(ug/l)**



**Methyl-tert-Butyl Ether
(ug/l)**



**Vinyl Chloride
(ug/l)**



LEGEND:

o = Date
Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 13 of 23, Graph



**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert- Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	-	1.09	0.388	-	0.083	-
04/08/1997	FMETL	6.44	ND	ND	ND		
07/17/1997	FMETL	ND	ND	ND	ND		
10/30/1997	FMETL	4.69	ND	ND	ND		
02/10/1998	FMETL	8.22	ND	ND	ND		
04/21/1998	FMETL	6.86	ND	ND	ND		
08/19/1998	FMETL	2.95	ND	ND	ND		
11/17/1998	FMETL	2.3	ND	ND	ND		
02/25/1999	FMETL	2.30	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND		
09/21/1999	FMETL	3.53	ND	ND	ND		
12/09/1999	FMETL	2.60	ND	ND	ND		
03/01/2000	FMETL	2.92	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	2.07	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		
02/21/2001	FMETL	2.99	ND	ND	ND		
02/21/2001D	FMETL	3.87	ND	ND	ND		
05/16/2001	FMETL	1.57	ND	ND	ND		
09/11/2001	FMETL	ND	ND	ND	ND		
11/14/2001	FMETL	ND	ND	ND	ND		
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	2.69	ND	ND	ND	ND	V,P
03/13/2003	FMETL	13.43	0.44	ND	ND	1.61	V,P
05/21/2003	FMETL	3.07	ND	ND	ND	ND	V,P

SOURCE: 19

Sampling Dates:
04/08/1997 - 05/21/2003

NOTES:
Page 1 of 1
Stream 19 is Salt-Water.
cis-1,2-DI limit is NLE.

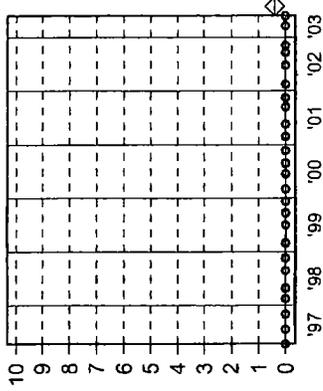
Fort Monmouth
GW Monitoring
Streams
Source 14 of 23



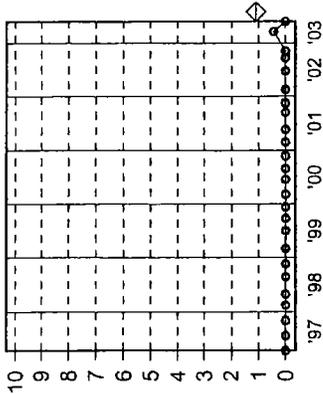
SOURCE: 19

Sampling Dates:
04/08/1997 - 05/21/2003

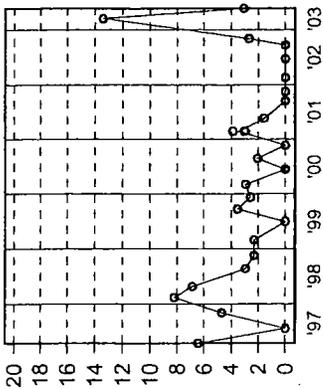
Tetrachloroethene
(ug/l)



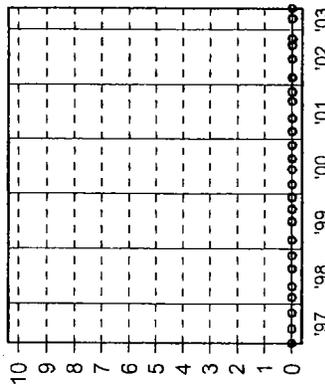
Trichloroethene
(ug/l)



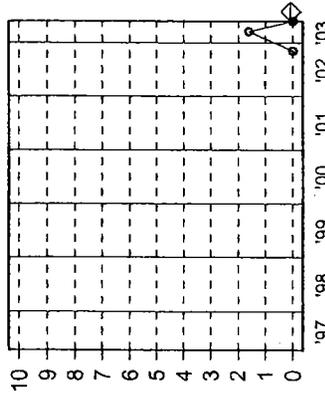
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 14 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	ND	1.09	0.388	-	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND	ND	-
10/30/1997	FMETL	ND	ND	ND	2.63	ND	-
02/10/1998	FMETL	ND	ND	ND	ND	ND	-
04/21/1998	FMETL	ND	ND	ND	ND	ND	-
08/19/1998	FMETL	ND	ND	ND	4.85	ND	-
11/17/1998	FMETL	ND	ND	ND	ND	ND	-
02/25/1999	FMETL	ND	ND	ND	ND	ND	-
06/29/1999	FMETL	ND	ND	ND	5.70	ND	-
09/21/1999	FMETL	ND	ND	ND	2.10	ND	-
12/09/1999	FMETL	ND	ND	ND	ND	ND	-
03/01/2000	FMETL	ND	ND	ND	ND	ND	-
06/12/2000	FMETL	ND	ND	ND	6.38	ND	-
08/24/2000	FMETL	ND	ND	ND	2.58	ND	-
11/20/2000	FMETL	ND	ND	ND	ND	ND	-
02/21/2001	FMETL	ND	ND	ND	ND	ND	-
05/16/2001	FMETL	ND	ND	ND	ND	ND	-
09/25/2001	FMETL	ND	ND	ND	ND	ND	-
11/14/2001	FMETL	ND	ND	ND	ND	ND	-
02/11/2002	FMETL	ND	ND	ND	ND	ND	V
06/18/2002	FMETL	ND	ND	ND	1.26	ND	V,P
09/18/2002	FMETL	ND	ND	ND	ND	ND	V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/13/2003	FMETL	ND	ND	0.64	ND	ND	V,P
05/21/2003	FMETL	ND	ND	ND	1.37	ND	V,P

SOURCE: 20

Sampling Dates:
04/08/1997 - 05/21/2003

NOTES:

Page 1 of 1
Stream 20 is Salt-Water.
Ethylben limit is 27900 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 15 of 23

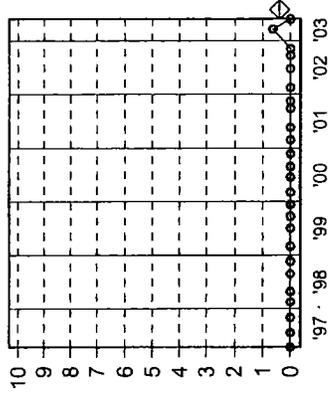


U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

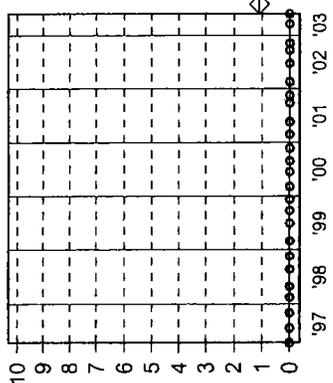
SOURCE: 20

Sampling Dates:
04/08/1997 - 05/21/2003

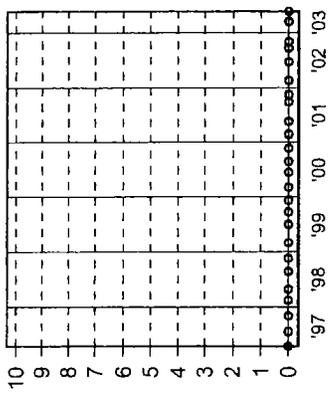
Tetrachloroethene
(ug/l)



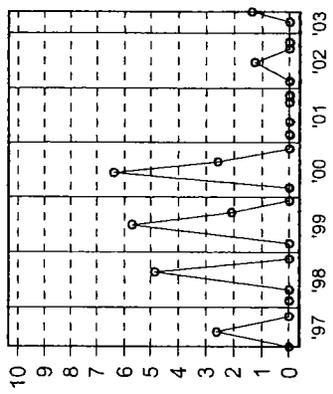
Trichloroethene
(ug/l)



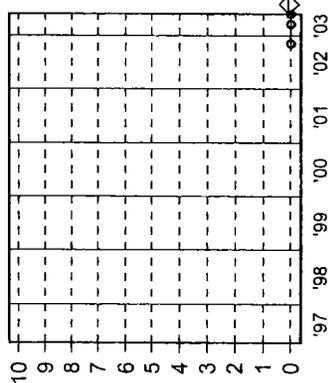
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 15 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	ND	1.09	0.388	ND	0.083	-
07/17/1997	FMETL	ND	ND	ND	2.90		
10/30/1997	FMETL	ND	ND	ND	ND		
02/10/1998	FMETL	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	4.71		
11/17/1998	FMETL	ND	ND	ND	ND		
02/25/1999	FMETL	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	7.40		
09/21/1999	FMETL	1.17	ND	ND	2.24		
12/09/1999	FMETL	ND	ND	ND	ND		
03/01/2000	FMETL	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	ND	2.67		
11/20/2000	FMETL	ND	ND	ND	ND		
02/21/2001	FMETL	ND	ND	ND	ND		
05/16/2001	FMETL	ND	ND	ND	ND		
09/11/2001	FMETL	ND	ND	ND	1.76		
11/14/2001	FMETL	ND	ND	ND	ND		
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/13/2003	FMETL	ND	ND	0.63	ND	ND	V,P
05/21/2003	FMETL	ND	ND	ND	1.34	ND	V,P

SOURCE: 21

Sampling Dates:
04/08/1997 - 05/21/2003

NOTES:
Page 1 of 1
Stream 21 is Salt-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

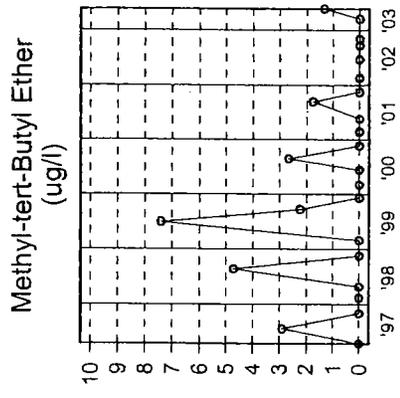
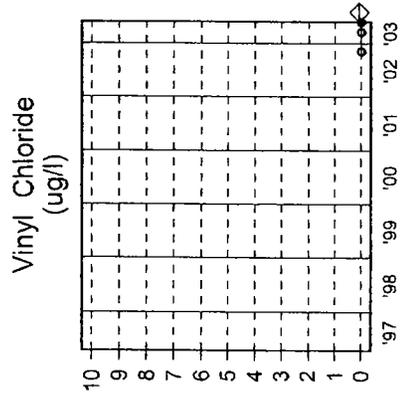
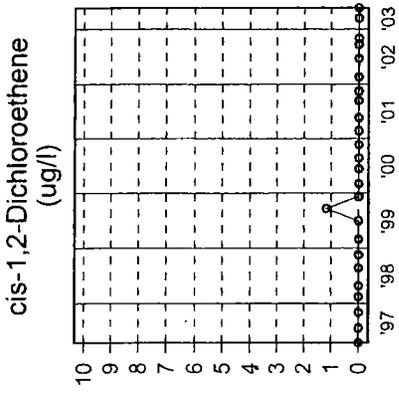
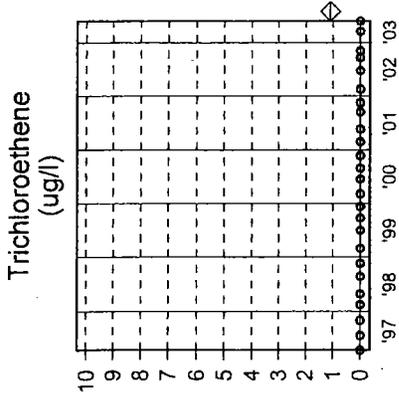
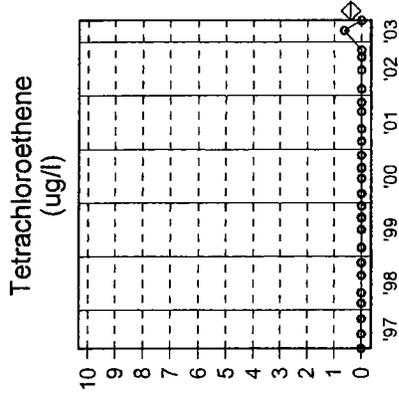
Source 16 of 23



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 21

Sampling Dates:
04/08/1997 - 05/21/2003



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring Streams

Source 16 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 22	
Sampling Dates: 04/08/1997 - 05/21/2003	
NOTES: Page 1 of 1 Stream 22 is Salt-Water. Acetone limit is NLE. MTBE limit is NLE.	
Fort Monmouth	
GW Monitoring Streams	
Source 17 of 23	

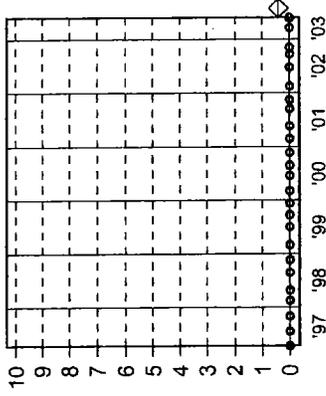
Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	-	1.09	0.388	-	0.083	-
04/08/1997	FMETL	ND	ND	ND	ND		
07/17/1997	FMETL	ND	ND	ND	4.26		
10/30/1997	FMETL	ND	ND	ND	ND		
02/10/1998	FMETL	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	4.50		
11/17/1998	FMETL	ND	ND	ND	ND		
02/25/1999	FMETL	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	8.30		
09/21/1999	FMETL	ND	ND	ND	0.82		
12/09/1999	FMETL	ND	ND	ND	ND		
03/01/2000	FMETL	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	10.26		
06/12/2000D	FMETL	ND	ND	ND	10.66		
08/24/2000	FMETL	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		
02/21/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/11/2001	FMETL	ND	ND	ND	3.53		V
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	2.12		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/13/2003	FMETL	1.57	ND	ND	ND	ND	V,P
05/21/2003	FMETL	ND	ND	ND	ND	ND	V,P



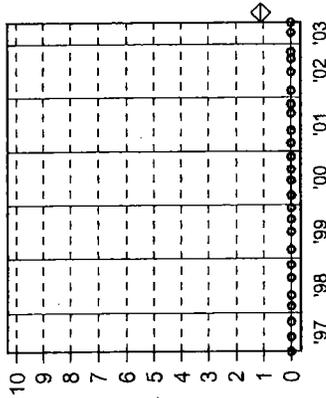
SOURCE: 22

Sampling Dates:
04/08/1997 - 05/21/2003

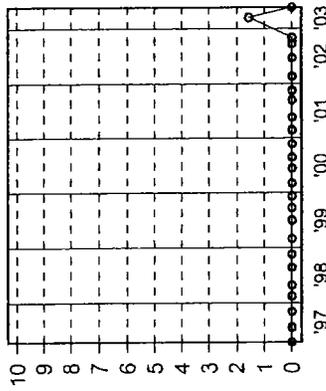
Tetrachloroethene
(ug/l)



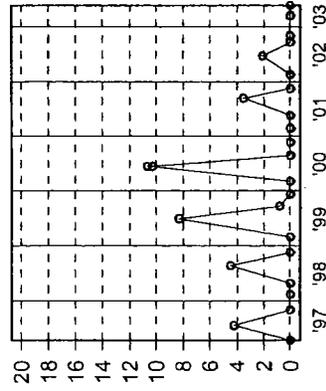
Trichloroethene
(ug/l)



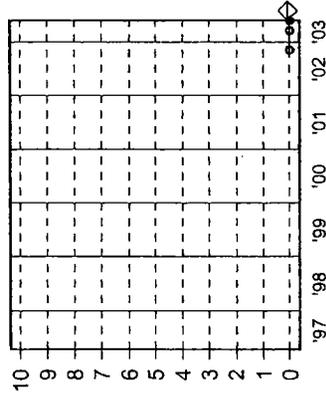
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 17 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 23
 Sampling Dates:
 06/12/2000 - 05/21/2003

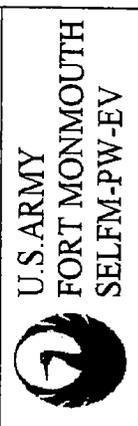
NOTES:
 Page 1 of 1
 Stream 23 is Fresh-Water

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	-	1.09	0.388	-	0.083	-
06/12/2000	FMETL	ND	ND	5.60	ND		
08/24/2000	FMETL	2.24	1.82	5.18	ND		
11/20/2000	FMETL	ND	ND	6.29	ND		-
03/08/2001	FMETL	ND	ND	4.78	ND		-
05/16/2001	FMETL	1.73	ND	6.41	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	3.23	ND	3.64	ND		-
02/11/2002	FMETL	ND	ND	2.85	ND		V
06/18/2002	FMETL	1.58	ND	2.88	ND		V,P
09/18/2002	FMETL	2.49	ND	ND	ND		V,P
11/05/2002	FMETL	ND	ND	1.44	ND	ND	V,P
03/24/2003	FMETL	1.41	1.05	4.01	ND	ND	V,P
05/21/2003	FMETL	2.03	ND	4.06	ND	ND	V,P

Fort Monmouth

GW Monitoring
Streams

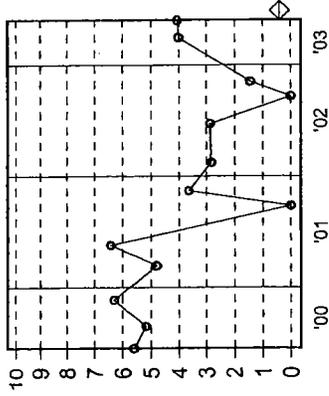
Source 18 of 23



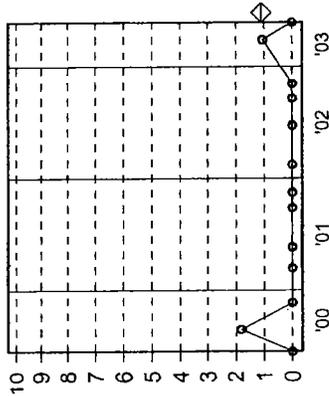
SOURCE: 23

Sampling Dates:
06/12/2000 - 05/21/2003

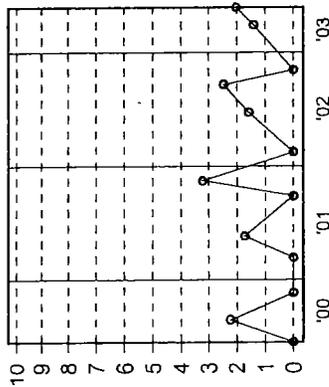
**Tetrachloroethene
(ug/l)**



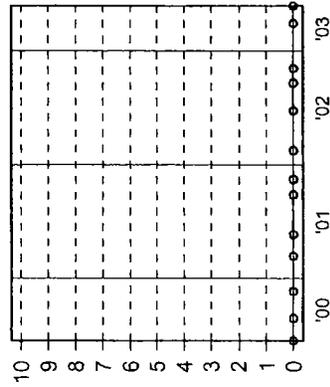
**Trichloroethene
(ug/l)**



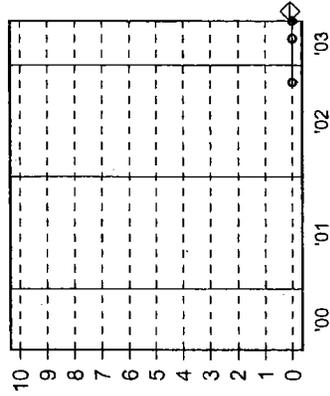
**cis-1,2-Dichloroethene
(ug/l)**



**Methyl-tert-Butyl Ether
(ug/l)**

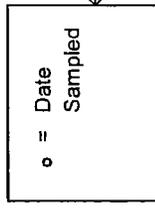


**Vinyl Chloride
(ug/l)**



LEGEND:

PARAMETER



NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 18 of 23, Graph



**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

SOURCE: 24
 Sampling Dates:
 06/12/2000 - 05/21/2003

NOTES:
 Page 1 of 2
 Stream 24 is Fresh-Water

Fort Monmouth

GW Monitoring
 Streams

Source 19 of 23

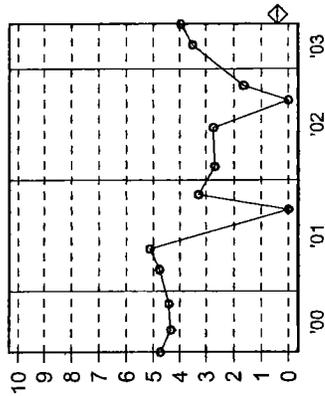
U.S. ARMY
 FORT MONMOUTH
 SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
06/12/2000	FMETL	ND	1.09	0.388	-	0.083	-
08/24/2000	FMETL	1.54	ND	4.72	ND		
11/20/2000	FMETL	ND	1.41	4.33	ND		
03/08/2001	FMETL	ND	ND	4.41	ND		-
05/16/2001	FMETL	1.37	ND	4.76	ND		-
09/25/2001	FMETL	ND	ND	5.12	ND		-
11/14/2001	FMETL	3.11	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	3.28	ND		V
06/18/2002	FMETL	1.60	ND	2.69	ND		V,P
09/18/2002	FMETL	ND	ND	2.74	ND		V,P
11/05/2002	FMETL	ND	ND	ND	ND		V,P
03/13/2003	FMETL	0.99	0.83	1.64	ND	ND	V,P
05/21/2003	FMETL	1.98	ND	3.50	ND	ND	V,P
			ND	3.94	ND	ND	V,P

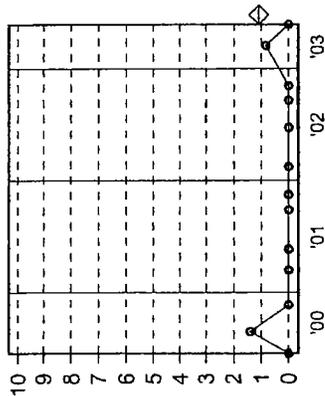
SOURCE: 24

Sampling Dates:
06/12/2000 - 05/21/2003

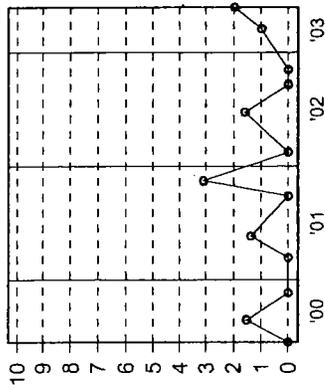
**Tetrachloroethene
(ug/l)**



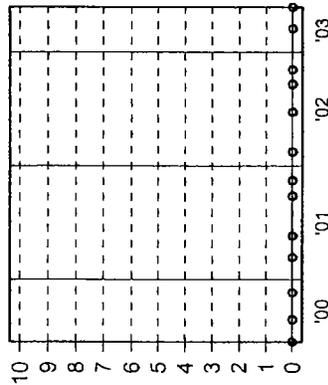
**Trichloroethene
(ug/l)**



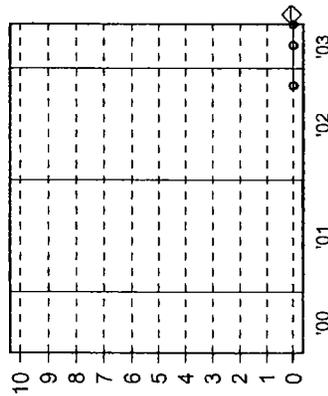
**cis-1,2-Dichloroethene
(ug/l)**



**Methyl-tert-Butyl Ether
(ug/l)**

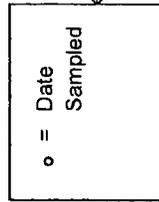


**Vinyl Chloride
(ug/l)**



LEGEND:

PARAMETER



NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 19 of 23, Graph



**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

SOURCE: 25

Sampling Dates:
06/12/2000 - 05/21/2003

NOTES:

Page 1 of 1
Stream 25 is Salt-Water.

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
		-	1.09	0.388	-	0.083	-
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		-
03/08/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/24/2003	FMETL	ND	ND	2.22	ND	ND	V,P
05/21/2003	FMETL	ND	ND	ND	ND	ND	V,P

Fort Monmouth

GW Monitoring
Streams

Source 20 of 23

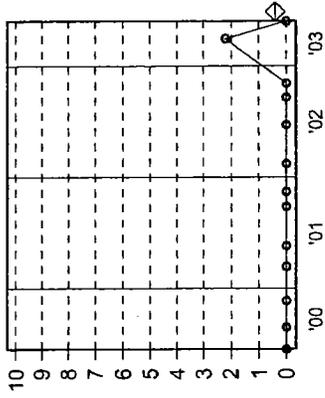


**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

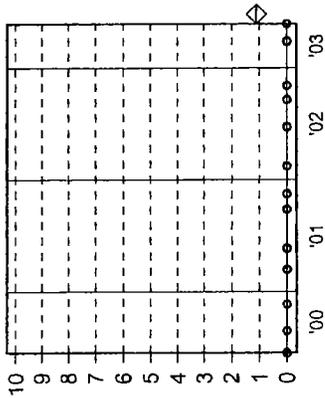
SOURCE: 25

Sampling Dates:
06/12/2000 - 05/21/2003

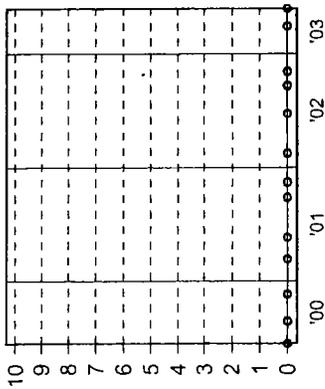
Tetrachloroethene
(ug/l)



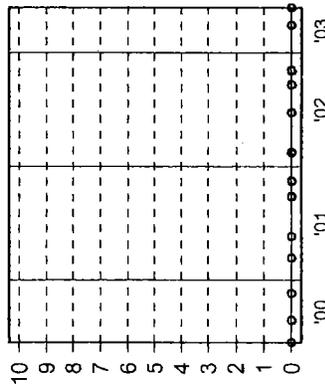
Trichloroethene
(ug/l)



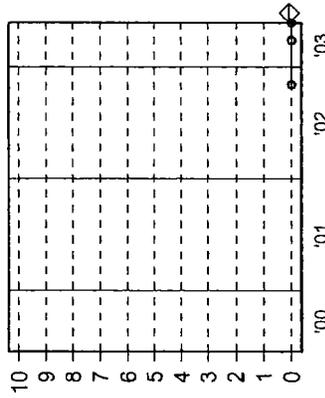
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

- o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 20 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 26
 Sampling Dates:
 06/12/2000 - 05/21/2003

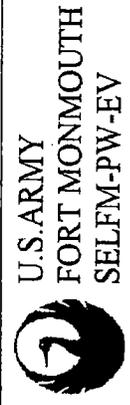
NOTES:
 Page 1 of 1
 Stream 26 is Fresh-Water

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
	-	-	1.09	0.388	-	0.083	-
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		-
03/08/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/24/2003	FMETL	ND	ND	ND	ND	ND	V,P
05/21/2003	FMETL	ND	ND	ND	ND	ND	V,P

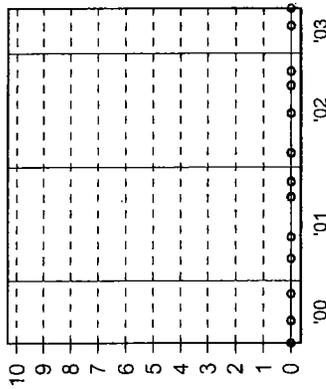
Fort Monmouth

GW Monitoring
Streams

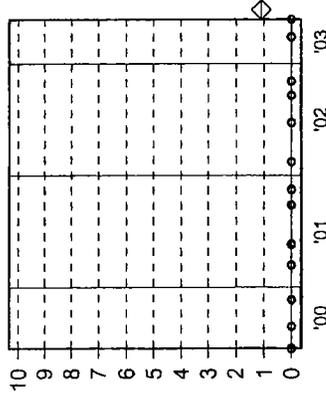
Source 21 of 23



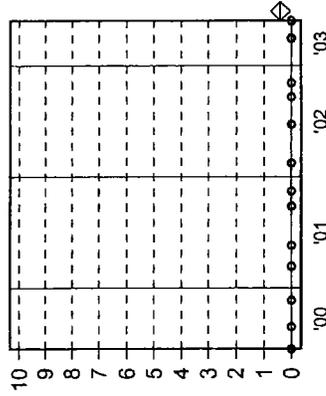
cis-1,2-Dichloroethene
(ug/l)



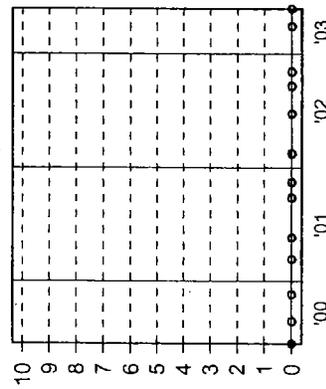
Trichloroethene
(ug/l)



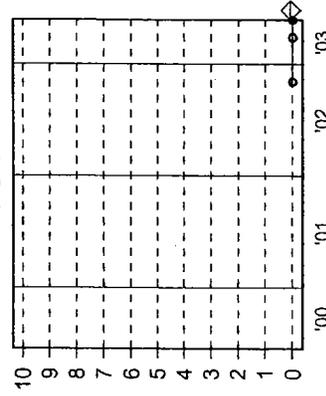
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 21 of 23, Graph

SOURCE: 26

Sampling Dates:

06/12/2000 - 05/21/2003



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 27

Sampling Dates:
06/12/2000 - 05/21/2003

NOTES:
Page 1 of 1
Stream 27 is Salt Water.

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
06/12/2000	FMETL	ND	1.09	0.388	-	0.083	-
08/24/2000	FMETL	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	1.72	ND		
03/08/2001	FMETL	ND	ND	1.87	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/13/2003	FMETL	ND	2.68	1.71	ND	ND	V,P
05/21/2003	FMETL	1.38	ND	ND	ND	ND	V,P

Fort Monmouth

GW Monitoring
Streams

Source 22 of 23

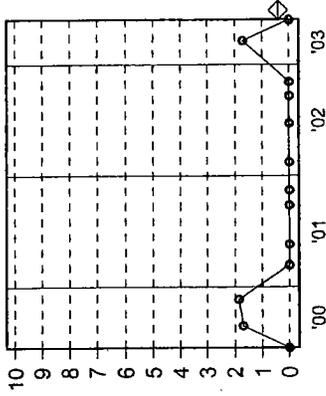


U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

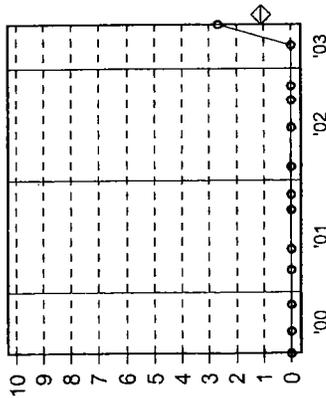
SOURCE: 27

Sampling Dates:
06/12/2000 - 05/21/2003

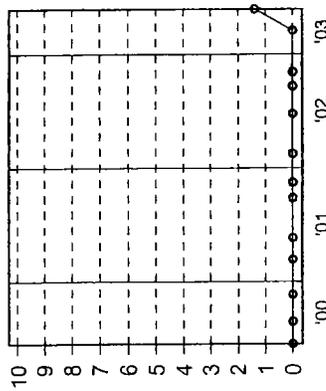
Tetrachloroethene
(ug/l)



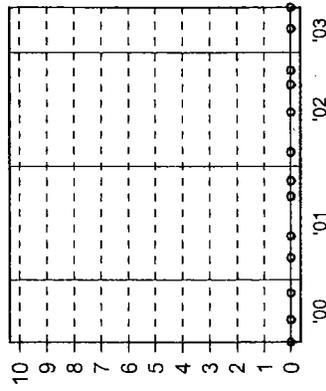
Trichloroethene
(ug/l)



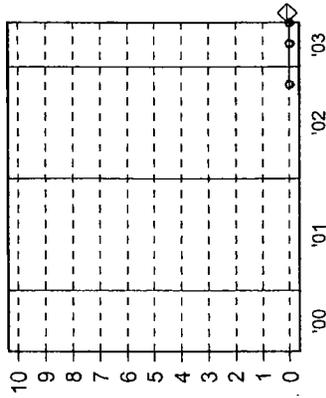
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

- o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 22 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 28	
Sampling Dates: 06/12/2000 - 05/21/2003	
NOTES: Page 1 of 1 Stream 28 is Salt-Water cis-1,2-Dichloroethene limit is NLE TCE limit is 81 PCE limit is 4.29	
Fort Monmouth	
GW Monitoring Streams	
Source 23 of 23	



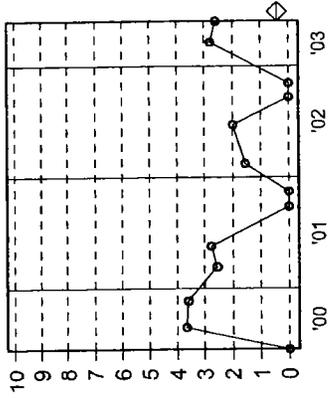
U.S. ARMY
FORT MONMOUTH
SELF-MONITORING PROGRAM

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
06/12/2000	FMETL	ND	1.09	0.388	-	0.083	-
08/24/2000	FMETL	1.28	ND	ND	ND		
11/20/2000	FMETL	ND	1.07	3.67	ND		
03/08/2001	FMETL	ND	ND	3.60	ND		-
05/16/2001	FMETL	ND	ND	2.56	ND		-
09/25/2001	FMETL	ND	ND	2.77	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	1.55	ND		V
06/18/2002	FMETL	ND	ND	1.99	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/13/2003	FMETL	0.73	0.60	2.78	ND	ND	V,P
05/21/2003	FMETL	1.50	ND	2.58	ND	ND	V,P

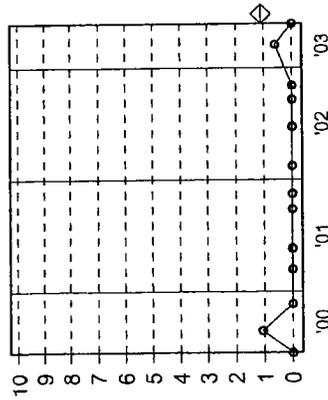
SOURCE: 28

Sampling Dates:
06/12/2000 - 05/21/2003

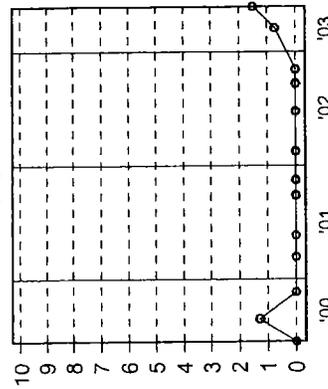
Tetrachloroethene (ug/l)



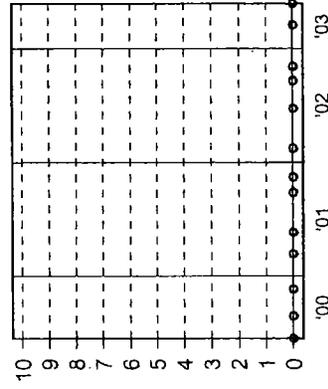
Trichloroethene (ug/l)



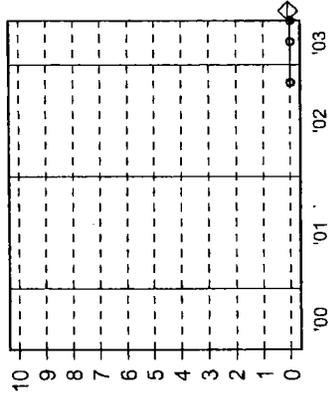
cis-1,2-Dichloroethene (ug/l)



Methyl-tert-Butyl Ether (ug/l)



Vinyl Chloride (ug/l)



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring Streams

Source 23 of 23, Graph



**U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV**

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732) 532-6224 FAX: (732) 532-6263

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

CERTIFICATIONS: NJDEP #13461, NYSDOH #11699



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 3rd QTR/03 Streams

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site #22	3059204	Aqueous	17-Sept-03 07:39	09/17/03
Stream Site #21	3059205	Aqueous	17-Sept-03 07:50	09/17/03
Stream Site #20	3059206	Aqueous	17-Sept-03 07:56	09/17/03
Stream Site #09	3059207	Aqueous	17-Sept-03 08:05	09/17/03
Stream Site #19	3059208	Aqueous	17-Sept-03 08:16	09/17/03
Stream Site #12	3059209	Aqueous	17-Sept-03 08:25	09/17/03
Stream Site #18	3059210	Aqueous	17-Sept-03 08:32	09/17/03
Stream Site #11	3059211	Aqueous	17-Sept-03 08:41	09/17/03
Stream Site #27	3059212	Aqueous	17-Sept-03 09:49	09/17/03
Stream Site #07	3059213	Aqueous	17-Sept-03 09:57	09/17/03
Stream Site #28	3059214	Aqueous	17-Sept-03 10:09	09/17/03
Stream Site #04	3059215	Aqueous	17-Sept-03 10:17	09/17/03
Stream Site #05	3059216	Aqueous	17-Sept-03 09:38	09/17/03
Stream Site #16	3059217	Aqueous	17-Sept-03 08:55	09/17/03
Stream Site #24	3059218	Aqueous	17-Sept-03 09:06	09/17/03
Stream Site #23	3059219	Aqueous	17-Sept-03 09:19	09/17/03
Stream Site #15	3059220	Aqueous	17-Sept-03 09:27	09/17/03
Stream Site #25	3059221	Aqueous	17-Sept-03 10:29	09/17/03
Stream Site #17	3059222	Aqueous	17-Sept-03 10:37	09/17/03
Stream Site #26	3059223	Aqueous	17-Sept-03 10:45	09/17/03
Stream Site #03	3059224	Aqueous	17-Sept-03 10:57	09/17/03
Stream Site #14	3059225	Aqueous	17-Sept-03 11:10	09/17/03
Stream Site #13	3059226	Aqueous	17-Sept-03 11:18	09/17/03

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, PCB's, WET CHEMISTRY


10-29-03
Daniel Wright/Date
Laboratory Director

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST	Standard Methods, 18 th ed.
Aluminum	3120B
Antimony	3120B
Arsenic	3120B
Barium	3120B
Beryllium	3120B
Cadmium	3120B
Calcium	3120B
Chromium	3120B
Cobalt	3120B
Copper	3120B
Iron	3120B
Lead	3120B
Magnesium	3120B
Manganese	3120B
Mercury	3112B
Nickel	3120B
Potassium	3120B
Selenium	3120B
Silver	3120B
Sodium	3120B
Thallium	3120B
Vanadium	3120B
Zinc	3120B
TARGET COMPOUND LIST	Federal Register 40 CFR Part 136 Appendix A
Base/Neutrals and Acid Extractables by GC/MS	625
Purgeable Organics by GC/MS	624
Pesticides and PCB's by GC	608

SAMPLING

Fort Monmouth Environmental Testing Laboratory

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

Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: J. FALLON		Project No:		Analysis Parameters		Comments:
Phone #: 201-222-2223	() DERA () OMA () Other:	Location: Streams	Location: 3rd Qtr, '03	Temp. °C	Dissolved Oxygen	
Samplers Name / Company: Carey McCannock, TUS	Sample Location	Date	Time	NH ₃ /NO ₃	PCB	Remarks / Preservation Method
LIMS/Work Order #	Trip	9/17/03	0721	✓	✓	
30592	02 Field Blank		0730	✓	✓	HCL/HNO ₃ /4°C Salinity
	03 Dupe			✓	✓	
	04 Stream Site # 22 *		0739	✓	✓	
	05 # 21		0750	✓	✓	
	06 # 20		0756	✓	✓	
	07 # 09		0805	✓	✓	
	08 # 19		0816	✓	✓	
	09 # 12		0825	✓	✓	
	10 # 18		0832	✓	✓	
	11 # 11		0841	✓	✓	
	12 # 27		0949	✓	✓	
	13 # 07		0957	✓	✓	
	14 # 28		0949 ¹⁰⁰⁴	✓	✓	
Relinquished by (signature): Carey McCannock		Date/Time: 9/17/03 1127	Received by (signature): J. Fallon	Date/Time: / /		
Relinquished by (signature):		Date/Time: / /	Received by (signature):	Date/Time: / /		Received by (signature):
Report Type: () Full, () Reduced, () Standard, () Screen / non-certified, () EDD		Turnaround time: () Standard 3 wks, () Rush Days, () ASAP Verbal Hrs.		Relinquished by (signature):		Remarks: Tides: H-7L

Fort Monmouth Environmental Testing Laboratory

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

Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: J FALLON		Project No:		Analysis Parameters						Comments:						
Phone #: 822223		Location: Streams		Sample Location		Sample Type		Temp °C		Dissolved Oxygen						
() DERA () OMA () Other:		3rd Qtr 63		Date		Time		PO ₄ /SO ₄		NH ₃ /NO ₃	PCB	T. Col.	VO ₂ S	Remarks / Preservation Method		
Samplers Name / Company: Ceresy McCormick, TVS		Sample Location		Date		Time		PO ₄ /SO ₄		NH ₃ /NO ₃		PCB		T. Col.	VO ₂ S	Remarks / Preservation Method
LIMS/Work Order #	Sample Location	Date	Time	Sample #	Type	bottles	Temp °C	PO ₄ /SO ₄	NH ₃ /NO ₃	PCB	T. Col.	VO ₂ S	Temp °C	Dissolved Oxygen	Remarks / Preservation Method	
3059A	15 Stream Site #04	9/17/03	10:47	AQ	6		8.90	✓	✓	✓	✓	✓	8.90	7.98	1.004	8
	#05		09:38				9.07	✓	✓	✓	✓	✓	7.65	7.93	1.003	7
	#16		08:55				8.86	✓	✓	✓	✓	✓	7.53	7.91	1.003	7
	#24		09:06				8.87	✓	✓	✓	✓	✓	7.55	7.86	1.002	6
	#23		09:19				8.89	✓	✓	✓	✓	✓	7.57	7.89	1.000	1
	#15		09:27				8.88	✓	✓	✓	✓	✓	7.55	7.76	1.000	0
	#25		10:29				8.83	✓	✓	✓	✓	✓	7.79	7.83	1.005	8
	#17		1:03:7				8.79	✓	✓	✓	✓	✓	7.91	7.89	1.005	8
	#26		1:04:5				9.17	✓	✓	✓	✓	✓	7.76	7.88	1.004	7
	#03		1:05:7				8.71	✓	✓	✓	✓	✓	7.75	7.86	1.003	7
	#14		1:11:0				8.76	✓	✓	✓	✓	✓	7.76	7.88	1.000	0
	#13		1:11:8				8.74	✓	✓	✓	✓	✓	7.53	8.00	1.000	0
Relinquished by (signature): Corey M. Conner		Date/Time: 9/17/03 11:27	Received by (signature): [Signature]		Date/Time:		Relinquished by (signature):		Date/Time:		Received by (signature):					
Relinquished by (signature):		Date/Time:	Received by (signature):		Date/Time:		Relinquished by (signature):		Date/Time:		Received by (signature):					
Report Type: () Full, () Reduced, (X) Standard, () Screen / non-certified, () EDD																
Turnaround time: (X) Standard 3 wks, () Rush ___ Days, () ASAP Verbal ___ Hrs.																
Remarks: Tide: H → L																

VOLATILE ORGANICS

**US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461**

Definition of Qualifiers

- U:** The compound was analyzed for but not detected.
- B:** Indicates that the compound was found in the associated method blank as well as in the sample.
- J:** Indicates an estimated value. This flag is used:
- (1)** When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.
 - (2)** When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.
- D:** This flag is used to identify all compounds (target or TIC) that required a dilution.
- E:** Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.
- N:** This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

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

Data File **VC010380.D**
 Operator **Skelton**
 Date Acquired **23-Sep-03**

Sample Name **MB 23Sept03**
 Field ID **MB 23Sept03**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

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

Data File VC010380.D
 Operator Skelton
 Date Acquired 23-Sep-03

Sample Name MB 23Sept03
 Field ID MB 23Sept03
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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
 R.L. = Recovery Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

MB 23Sept03

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: MB 23Sept03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010380.D

Level: (low/med) LOW Date Received: 9/17/2003

% Moisture: not dec. _____ Date Analyzed: 9/23/2003

GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
SaltWater Results

Data File **VC010386.D**
 Operator **Skelton**
 Date Acquired **23-Sep-03**

Sample Name **3059201**
 Field ID **Trip Blank**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	15.57	303389	4.91 ug/L	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

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

Data File **VC010386.D**
 Operator **Skelton**
 Date Acquired **23-Sep-03**

Sample Name **3059201**
 Field ID **Trip Blank**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	15.57	303389	4.91 ug/L	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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
 R.L. = Recovery Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Trip Blank

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059201
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010386.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/23/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Freshwater Results

Data File **VC010387.D**
 Operator **Skelton**
 Date Acquired **23-Sep-03**

Sample Name **3059202**
 Field ID **Field Blank**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	15.58	246859	4.10 ug/L	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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
 R.L. = Recovery Limit

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

Data File **VC010387.D**
 Operator **Skelton**
 Date Acquired **23-Sep-03**

Sample Name **3059202**
 Field ID **Field Blank**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	15.58	246859	4.10 ug/L	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Field Blank

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059202
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010387.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/23/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Freshwater Results

Data File **VC010388.D**
 Operator **Skelton**
 Date Acquired **23-Sep-03**

Sample Name **3059203**
 Field ID **Dupe**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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
 R.L. = Recovery Limit

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

Data File **VC010388.D**
 Operator **Skelton**
 Date Acquired **23-Sep-03**

Sample Name **3059203**
 Field ID **Dupe**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Dupe

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059203
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010388.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/23/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Freshwater Results

Data File **VC010409.D**
 Operator **Skelton**
 Date Acquired **24-Sep-03**

Sample Name **3059224**
 Field ID **StreamSite#03**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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
 R.L. = Recovery Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#03

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059224
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010409.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/24/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC010400.D**
 Operator **Skelton**
 Date Acquired **23-Sep-03**

Sample Name **3059215**
 Field ID **StreamSite#04**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.71	42375	1.14 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.89	41132	1.13 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#04

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059215
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010400.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/23/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC010401.D**
 Operator **Skelton**
 Date Acquired **23-Sep-03**

Sample Name **3059216**
 Field ID **StreamSite#05**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.71	50597	1.36 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.88	45532	1.23 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#05

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059216
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010401.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/23/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC010398.D**
 Operator **Skelton**
 Date Acquired **23-Sep-03**

Sample Name **3059213**
 Field ID **StreamSite#07**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.70	43363	1.17 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.88	39831	1.08 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#07

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059213
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010398.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/23/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC010392.D**
 Operator **Skelton**
 Date Acquired **23-Sep-03**

Sample Name **3059207**
 Field ID **StreamSite#09**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#09

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059207
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010392.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/23/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Freshwater Results

Data File **VC010396.D**
 Operator **Skelton**
 Date Acquired **23-Sep-03**

Sample Name **3059211**
 Field ID **StreamSite#11**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	5.15	66622	1.74 ug/L	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.70	294190	7.79 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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
 R.L. = Recovery Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#11

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059211
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010396.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/23/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Freshwater Results

Data File **VC010394.D**
 Operator **Skelton**
 Date Acquired **23-Sep-03**

Sample Name **3059209**
 Field ID **StreamSite#12**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.70	111164	2.91 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m-p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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
 R.L. = Recovery Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#12

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059209
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010394.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/23/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Freshwater Results

Data File **VC010411.D**
 Operator **Skelton**
 Date Acquired **24-Sep-03**

Sample Name **3059226**
 Field ID **StreamSite#13**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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
 R.L. = Recovery Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#13

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059226
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010411.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/24/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Freshwater Results

Data File **VC010410.D**
 Operator **Skelton**
 Date Acquired **24-Sep-03**

Sample Name **3059225**
 Field ID **StreamSite#14**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m-p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7-9-6 2-Sept 97

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
 R.L. = Recovery Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#14

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059225
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010410.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/24/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Freshwater Results

Data File **VC010405.D**
 Operator **Skelton**
 Date Acquired **24-Sep-03**

Sample Name **3059220**
 Field ID **StreamSite#15**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.70	62434	1.64 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.88	59651	1.60 ug/L	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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
 R.L. = Recovery Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#15

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059220
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010405.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/24/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC010402.D**
 Operator **Skelton**
 Date Acquired **24-Sep-03**

Sample Name **3059217**
 Field ID **StreamSite#16**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.70	64054	1.79 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.88	58501	1.70 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#16

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059217
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010402.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/24/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC010407.D**
 Operator **Skelton**
 Date Aquired **24-Sep-03**

Sample Name **3059222**
 Field ID **StreamSite#17**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#17

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059222
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010407.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/24/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Freshwater Results

Data File **VC010395.D**
 Operator **Skelton**
 Date Acquired **23-Sep-03**

Sample Name **3059210**
 Field ID **StreamSite#18**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	320	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.0591	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	5.7	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.70	109969	2.89 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	7440	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	3030	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4.38	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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
 R.L. = Recovery Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#18

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059210
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010395.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/23/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC010393.D**
 Operator **Skelton**
 Date Acquired **23-Sep-03**

Sample Name **3059208**
 Field ID **StreamSite#19**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.70	66384	1.72 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#19

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059208
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010393.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/23/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC010391.D**
 Operator **Skelton**
 Date Acquired **23-Sep-03**

Sample Name **3059206**
 Field ID **StreamSite#20**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#20

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059206
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010391.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/23/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC010390.D**
 Operator **Skelton**
 Date Acquired **23-Sep-03**

Sample Name **3059205**
 Field ID **StreamSite#21**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#21

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059205
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010390.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/23/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC010389.D**
 Operator **Skelton**
 Date Acquired **23-Sep-03**

Sample Name **3059204**
 Field ID **StreamSite#22**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m-p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#22

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059204
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010389.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/23/2003
GC Column: ZB-624 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: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.69	3	J

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

Data File **VC010404.D**
 Operator **Skelton**
 Date Acquired **24-Sep-03**

Sample Name **3059219**
 Field ID **StreamSite#23**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.70	68418	1.91 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.89	61114	1.77 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#23

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059219
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010404.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/24/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC010403.D**
 Operator **Skelton**
 Date Acquired **24-Sep-03**

Sample Name **3059218**
 Field ID **StreamSite#24**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.70	63668	1.69 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	20000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.88	57428	1.61 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#24

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059218
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010403.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/24/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC010406.D**
 Operator **Skelton**
 Date Acquired **24-Sep-03**

Sample Name **3059221**
 Field ID **StreamSite#25**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#25

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059221
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010406.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/24/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC010408.D**
 Operator **Skelton**
 Date Acquired **24-Sep-03**

Sample Name **3059223**
 Field ID **StreamSite#26**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#26

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059223
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010408.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/24/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC010397.D**
 Operator **Skelton**
 Date Acquired **23-Sep-03**

Sample Name **3059212**
 Field ID **StreamSite#27**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.70	42309	1.16 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	20000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.88	41176	1.16 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#27

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059212
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010397.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/23/2003
GC Column: ZB-624 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
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Salt Water Results

Data File **VC010399.D**
 Operator **Skelton**
 Date Acquired **23-Sep-03**

Sample Name **3059214**
 Field ID **StreamSite#28**
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	780	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	0.665	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	Reserved	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	525	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	4000	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	nle	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	1600	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	nle	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	14.69	42501	1.14 ug/L	nle	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	470	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	71	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	81	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	200000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.89	41465	1.14 ug/L	4.29	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	27900	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	nle	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	360	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	0.64 ug/L	2.00 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

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.L. = Recovery Limits
 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

StreamSite#28

Lab Name: FMETL NJDEP#: 13461
Project: Streams Case No.: 30592 Location: 3rdQtr SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 3059214
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010399.D
Level: (low/med) LOW Date Received: 9/17/2003
% Moisture: not dec. _____ Date Analyzed: 9/23/2003
GC Column: ZB-624 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
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PCB's

TABULATED ANALYTICAL REPORT
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082**mb 091803****MATRIX: Aqueous****Date Extracted: 9/18/2003****Ext. Batch: 091803****Filename: PCB12517.D****Date Analyzed: 9/18/2003****Analyst: A.A.**

CAS #	COMPOUNDS	RESULTS (mg/L)	MDL (mg/L)
12674-11-2	Aroclor 1016	ND	0.0112
11104-28-2	Aroclor 1221	ND	0.0206
12672-29-6	Aroclor 1248	ND	0.0140
53469-21-9	Aroclor 1242	ND	0.0160
11141-16-5	Aroclor 1232	ND	0.0064
11097-69-1	Aroclor 1254	ND	0.0040
11096-82-5	Aroclor 1260	ND	0.0036

MDL - Method Detection Limit

Initial Vol.(ml)**1000**

ND = Not detected at or above MDL

Final Vol.(ml)**10**

COMMENTS:

TABULATED ANALYTICAL REPORT
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082**mb 091903**

Filename: PCB12868.D

MATRIX: Aqueous
Date Extracted: 9/19/2003
Ext. Batch: 091903
Date Analyzed: 10/24/2003

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (mg/L)	MDL (mg/L)
12674-11-2	Aroclor 1016	ND	0.0112
11104-28-2	Aroclor 1221	ND	0.0206
12672-29-6	Aroclor 1248	ND	0.0140
53469-21-9	Aroclor 1242	ND	0.0160
11141-16-5	Aroclor 1232	ND	0.0064
11097-69-1	Aroclor 1254	ND	0.0040
11096-82-5	Aroclor 1260	ND	0.0036

MDL - Method Detection Limit
ND = Not detected at or above MDLInitial Vol.(ml) 1000
Final Vol.(ml) 10

COMMENTS:

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: Streams 3rd Qtr.
Client ID: FIELDBLANK
Lab ID: 3059202
Filename: PCB12519.D
Lab Project No: 30592

MATRIX: Aqueous
Date Extracted: 9/18/2003
Ext. Batch: 091803
Date Analyzed: 9/18/2003
DILUTION: 1
QC Batch: 91803
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND = UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

Initial Vol.(ml) 1000.00
Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 3rd Qtr.
 Client ID: Dupe
 Lab ID: 3059203
 Filename: PCB12520.D
 Lab Project No: 30592

MATRIX: Aqueous
 Date Extracted: 9/18/2003
 Ext. Batch: 091803
 Date Analyzed: 9/18/2003
 DILUTION: 1
 QC Batch: 91803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: Streams 3rd Qtr.
Client ID: Stream Site # 03
Lab ID: 3059224
Filename: PCB12873.D
Lab Project No: 30592

MATRIX: Aqueous
Date Extracted: 9/19/2003
Ext. Batch: 091903
Date Analyzed: 10/24/2003
DILUTION: 1
QC Batch: 91803
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND = UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

Initial Vol.(ml) 1000.00
Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: Streams 3rd Qtr.
Client ID: Stream Site # 04
Lab ID: 3059215
Filename: PCB12532.D
Lab Project No: 30592

MATRIX: Aqueous
Date Extracted: 9/18/2003
Ext. Batch: 091803
Date Analyzed: 9/18/2003
DILUTION: 1
QC Batch: 91803
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND = UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

Initial Vol.(ml) 1000.00
Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 3rd Qtr.
 Client ID: Stream Site # 05
 Lab ID: 3059216
 Filename: PCB12533.D
 Lab Project No: 30592

MATRIX: Aqueous
 Date Extracted: 9/18/2003
 Ext. Batch: 091803
 Date Analyzed: 9/18/2003
 DILUTION: 1
 QC Batch: 91803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: Streams 3rd Qtr.
Client ID: Stream Site # 07
Lab ID: 3059213
Filename: PCB12530.D
Lab Project No: 30592

MATRIX: Aqueous
Date Extracted: 9/18/2003
Ext. Batch: 091803
Date Analyzed: 9/18/2003
DILUTION: 1
QC Batch: 91803
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND = UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

Initial Vol.(ml) 1000.00
Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 3rd Qtr.
 Client ID: Stream Site # 09
 Lab ID: 3059207
 Filename: PCB12524.D
 Lab Project No: 30592

MATRIX: Aqueous
 Date Extracted: 9/18/2003
 Ext. Batch: 091803
 Date Analyzed: 9/18/2003
 DILUTION: 1
 QC Batch: 91803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 3rd Qtr.
 Client ID: Stream Site # 11
 Lab ID: 3059211
 Filename: PCB12528.D
 Lab Project No: 30592

MATRIX: Aqueous
 Date Extracted: 9/18/2003
 Ext. Batch: 091803
 Date Analyzed: 9/18/2003
 DILUTION: 1
 QC Batch: 91803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 3rd Qtr.
 Client ID: Stream Site # 12
 Lab ID: 3059209
 Filename: PCB12526.D
 Lab Project No: 30592

MATRIX: Aqueous
 Date Extracted: 9/18/2003
 Ext. Batch: 091803
 Date Analyzed: 9/18/2003
 DILUTION: 1
 QC Batch: 91803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 3rd Qtr.
 Client ID: Stream Site # 13
 Lab ID: 3059226
 Filename: PCB12875.D
 Lab Project No: 30592

MATRIX: Aqueous
 Date Extracted: 9/19/2003
 Ext. Batch: 091903
 Date Analyzed: 10/24/2003
 DILUTION: 1
 QC Batch: 91803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: Streams 3rd Qtr.
Client ID: Stream Site # 14
Lab ID: 3059225
Filename: PCB12874.D
Lab Project No: 30592

MATRIX: Aqueous
Date Extracted: 9/19/2003
Ext. Batch: 091903
Date Analyzed: 10/24/2003
DILUTION: 1
QC Batch: 91803
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND = UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

Initial Vol.(ml) 1000.00
Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 3rd Qtr.
 Client ID: Stream Site # 15
 Lab ID: 3059220
 Filename: PCB12537.D
 Lab Project No: 30592

MATRIX: Aqueous
 Date Extracted: 9/18/2003
 Ext. Batch: 091803
 Date Analyzed: 9/19/2003
 DILUTION: 1
 QC Batch: 91803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 3rd Qtr.
 Client ID: Stream Site # 16
 Lab ID: 3059217
 Filename: PCB12534.D
 Lab Project No: 30592

MATRIX: Aqueous
 Date Extracted: 9/18/2003
 Ext. Batch: 091803
 Date Analyzed: 9/18/2003
 DILUTION: 1
 QC Batch: 91803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: Streams 3rd Qtr.
Client ID: Stream Site # 17
Lab ID: 3059222
Filename: PCB12871.D
Lab Project No: 30592

MATRIX: Aqueous
Date Extracted: 9/19/2003
Ext. Batch: 091903
Date Analyzed: 10/24/2003
DILUTION: 1
QC Batch: 91803
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND = UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

Initial Vol.(ml) 1000.00
Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 3rd Qtr.
 Client ID: Stream Site # 18
 Lab ID: 3059210
 Filename: PCB12527.D
 Lab Project No: 30592

MATRIX: Aqueous
 Date Extracted: 9/18/2003
 Ext. Batch: 091803
 Date Analyzed: 9/18/2003
 DILUTION: 1
 QC Batch: 91803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

**Report Of Analysis
NJDEP Certification # 13461
METHOD 8082**

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: Streams 3rd Qtrr.
Client ID: Stream Site # 19
Lab ID: 3059208
Filename: PCB12525.D
Lab Project No: 30592

MATRIX: Aqueous
Date Extracted: 9/18/2003
Ext. Batch: 091803
Date Analyzed: 9/18/2003
DILUTION: 1
QC Batch: 91803
Analyst: A.A.

<u>CAS #</u>	<u>COMPOUNDS</u>	<u>RESULTS</u> (ug/L)	<u>*Reporting Limit</u> (ug/L)	<u>Cleanup Criteria</u> (ug/L)	<u>QUALIFIER</u>	<u>MDL</u> (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol. (ml) 1000.00
Final Vol. (ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: Streams 3rd Qtr.
Client ID: Stream Site # 20
Lab ID: 3059206
Filename: PCB12523.D
Lab Project No: 30592

MATRIX: Aqueous
Date Extracted: 9/18/2003
Ext. Batch: 091803
Date Analyzed: 9/18/2003
DILUTION: 1
QC Batch: 91803
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND = UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

Initial Vol.(ml) 1000.00
Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 3rd Qtr.
 Client ID: Stream Site # 21
 Lab ID: 3059205
 Filename: PCB12522.D
 Lab Project No: 30592

MATRIX: Aqueous
 Date Extracted: 9/18/2003
 Ext. Batch: 091803
 Date Analyzed: 9/18/2003
 DILUTION: 1
 QC Batch: 91803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 3rd Qtr.
 Client ID: Stream Site # 22
 Lab ID: 3059204
 Filename: PCB12521.D
 Lab Project No: 30592

MATRIX: Aqueous
 Date Extracted: 9/18/2003
 Ext. Batch: 091803
 Date Analyzed: 9/18/2003
 DILUTION: 1
 QC Batch: 91803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 3rd Qtr.
 Client ID: Stream Site # 23
 Lab ID: 3059219
 Filename: PCB12536.D
 Lab Project No: 30592

MATRIX: Aqueous
 Date Extracted: 9/18/2003
 Ext. Batch: 091803
 Date Analyzed: 9/19/2003
 DILUTION: 1
 QC Batch: 91803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 3rd Qtr.
 Client ID: Stream Site # 24
 Lab ID: 3059218
 Filename: PCB12535.D
 Lab Project No: 30592

MATRIX: Aqueous
 Date Extracted: 9/18/2003
 Ext. Batch: 091803
 Date Analyzed: 9/18/2003
 DILUTION: 1
 QC Batch: 91803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 3rd Qtr.
 Client ID: Stream Site # 25
 Lab ID: 3059221
 Filename: PCB12870.D
 Lab Project No: 30592

MATRIX: Aqueous
 Date Extracted: 9/19/2003
 Ext. Batch: 091903
 Date Analyzed: 10/24/2003
 DILUTION: 1
 QC Batch: 91803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
NJDEP Certification # 13461
METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
Location: Streams 3rd Qtr.
Client ID: Stream Site # 26
Lab ID: 3059223
Filename: PCB12872.D
Lab Project No: 30592

MATRIX: Aqueous
Date Extracted: 9/19/2003
Ext. Batch: 091903
Date Analyzed: 10/24/2003
DILUTION: 1
QC Batch: 91803
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
MDL = METHOD DETECTION LIMIT
ND = UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

Initial Vol.(ml) 1000.00
Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 3rd Qtr.
 Client ID: Stream Site # 27
 Lab ID: 3059212
 Filename: PCB12529.D
 Lab Project No: 30592

MATRIX: Aqueous
 Date Extracted: 9/18/2003
 Ext. Batch: 091803
 Date Analyzed: 9/18/2003
 DILUTION: 1
 QC Batch: 91803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND = UNDETECTED BELOW THE MDL
 B = PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D = DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

U.S.Army, FT. Monmouth Environmental Laboratory.

Report Of Analysis
 NJDEP Certification # 13461
 METHOD 8082

Client: U.S.Army, Bldg 173, Ft. Monmouth, NJ 07703.
 Location: Streams 3rd Qtr.
 Client ID: Stream Site # 28
 Lab ID: 3059214
 Filename: PCB12531.D
 Lab Project No: 30592

MATRIX: Aqueous
 Date Extracted: 9/18/2003
 Ext. Batch: 091803
 Date Analyzed: 9/18/2003
 DILUTION: 1
 QC Batch: 91803
 Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	*Reporting Limit (ug/L)	Cleanup Criteria (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	ND	0.05	NA		0.0007
11104-28-2	AROCLOR 1221	ND	0.05	NA		0.0007
11141-16-5	AROCLOR 1232	ND	0.05	NA		0.0006
53469-21-9	AROCLOR 1242	ND	0.05	NA		0.0005
12672-29-6	AROCLOR 1248	ND	0.05	NA		0.0005
11097-69-1	AROCLOR 1254	ND	0.05	NA		0.0006
11096-82-5	AROCLOR 1260	ND	0.05	NA		0.0007

*RESULTS BETWEEN MDL AND RL ARE ESTIMATED.
 MDL = METHOD DETECTION LIMIT
 ND=UNDETECTED BELOW THE MDL
 B =PRESENT IN THE ASSOCIATED BLANK
 E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
 D =DILUTION

Initial Vol.(ml) 1000.00
 Final Vol.(ml) 10.00

WET CHEMISTRY

Stream Water Analysis

3rd Quarter 2003

Sample ID	Date Sampled	Stream Site#	pH	Ammonia (mg/L)	Nitrates (mg/L)	Phosphate (mg/L as PO4)	Sulfate (mg/L)	DO (mg/L)	T.Coliform (cfu/100ml)	F.Coliform (cfu/100ml)	% Salinity
3059204	9/17/03	22	7.76	ND	ND	0.50	1320	8.53	1020	40	18
3059205	9/17/03	21	7.79	ND	ND	0.56	1240	8.63	740	40	19
3059206	9/17/03	20	7.80	ND	0.50	0.47	1210	8.64	1160	10	19
3059207	9/17/03	09	7.84	0.13	1.22	0.04	153	8.31	5400	ND	14
3059208	9/17/03	19	7.86	ND	1.74	0.07	13.9	8.59	1120	30	2
3059209	9/17/03	12	7.76	ND	1.94	0.07	11.4	7.91	2760	ND	0
3059210	9/17/03	18	7.78	ND	1.49	0.04	11.2	7.87	1020	20	0
3059211	9/17/03	11	7.84	ND	3.00	0.14	15.0	8.39	7700	30	0
3059212	9/17/03	27	7.91	0.18	1.38	0.10	32.5	8.11	2480	ND	10
3059213	9/17/03	07	7.86	0.17	1.38	0.45	33.5	8.09	2400	20	9
3059214	9/17/03	28	7.88	0.17	1.42	0.31	33.3	8.10	1640	20	9
3059215	9/17/03	04	7.80	0.18	1.32	0.15	33.1	7.98	1320	10	8
3059216	9/17/03	05	7.65	0.19	1.50	0.16	24.1	7.93	920	10	7
3059217	9/17/03	16	7.53	0.17	1.37	0.06	19.5	7.91	1900	10	7
3059218	9/17/03	24	7.55	0.22	1.52	0.10	18.6	7.86	3240	ND	6
3059219	9/17/03	23	7.57	0.17	1.48	0.07	18.8	7.89	2240	ND	1
3059220	9/17/03	15	7.55	0.17	1.40	0.16	19.7	7.76	1720	10	0
3059221	9/17/03	25	7.79	0.12	1.53	0.31	21.8	7.83	5400	30	8
3059222	9/17/03	17	7.81	0.13	1.62	0.35	21.4	7.89	10200	70	8
3059223	9/17/03	26	7.76	0.15	1.74	0.28	22.0	7.88	3960	ND	7
3059224	9/17/03	03	7.75	0.17	1.43	0.22	22.7	7.86	3360	ND	7
3059225	9/17/03	14	7.76	ND	1.42	0.25	19.7	7.88	4520	ND	0
3059226	9/17/03	13	7.53	0.19	1.46	0.11	20.9	8.00	2280	ND	0

mg/L = Parts Per Million

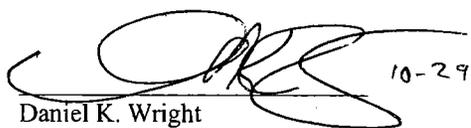
cfu = Colony Forming Units

ND = Not detected

TNTC = Too Numerous to Count

Completed: 10/08/03

Reviewed: 10/09/03



 Daniel K. Wright

Laboratory Director
 10-29-03

LTM

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
07/17/1997	FMETL	ND	1.09	0.388	-	0.083	-
10/30/1997	FMETL	ND	ND	ND	ND		
02/10/1998	FMETL	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	ND		
11/18/1998	FMETL	ND	ND	1.09	ND		
02/25/1999	FMETL	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND		
09/22/1999	FMETL	ND	ND	ND	ND		
12/09/1999	FMETL	ND	ND	ND	ND		
03/01/2000	FMETL	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		
03/08/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/05/2002	FMETL	ND	ND	ND	ND		V,P
03/24/2003	FMETL	ND	ND	ND	ND	ND	V,P
05/21/2003	FMETL	ND	ND	ND	ND	ND	V,P
09/17/2003	FMETL	ND	ND	ND	ND	ND	V,P

SOURCE: 3

Sampling Dates:
07/17/1997 - 09/17/2003

NOTES:

Stream 3 is Fresh-Water.
MeCl limit is 2.49 ug/L.
PCE limit is 0.388 ug/L.

Fort Monmouth

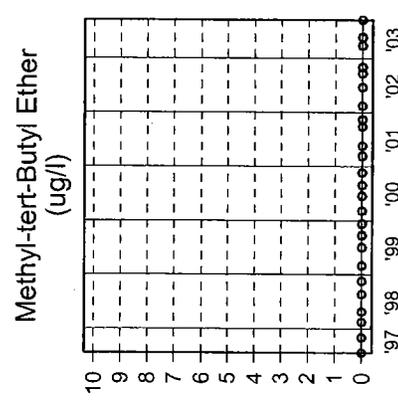
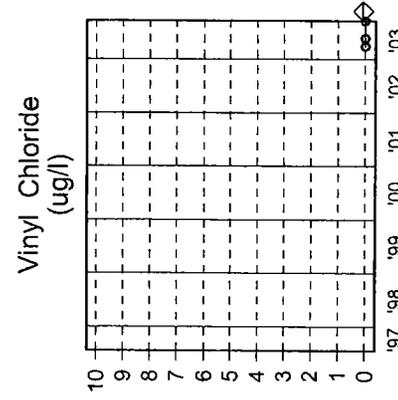
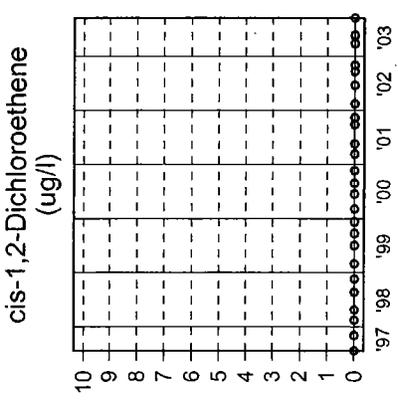
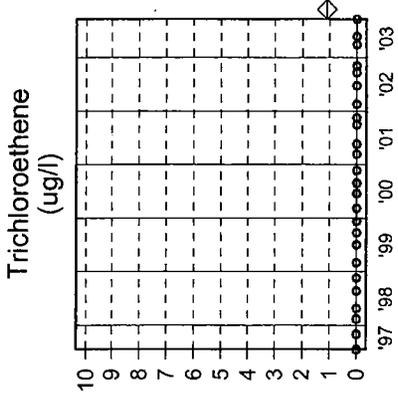
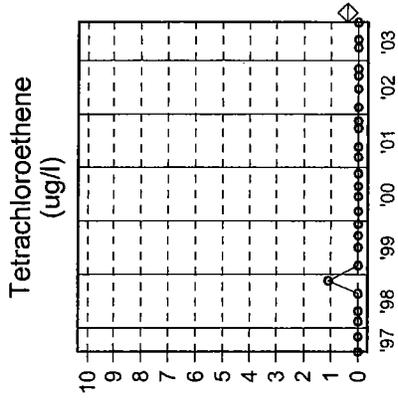
GW Monitoring
Streams

Source 1 of 23



SOURCE: 3

Sampling Dates:
07/17/1997 - 09/17/2003



LEGEND:

PARAMETER

- o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring Streams

Source 1 of 23, Graph



Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	2.18	1.09	0.388	-	0.083	-
07/17/1997	FMETL	1.63	ND	ND	ND		
10/30/1997	FMETL	ND	ND	1.61	ND		
02/10/1998	FMETL	ND	ND	1.24	ND		
04/21/1998	FMETL	ND	ND	6.61	ND		
08/19/1998	FMETL	1.92	ND	4.42	ND		
11/17/1998	FMETL	1.19	1.10	2.85	ND		
02/25/1999	FMETL	ND	ND	1.62	ND		
06/29/1999	FMETL	2.41	1.56	5.61	ND		
09/22/1999	FMETL	2.02	ND	5.27	ND		
12/09/1999	FMETL	ND	ND	1.85	ND		
03/01/2000	FMETL	1.23	1.26	ND	ND		
06/12/2000	FMETL	ND	ND	6.18	2.18		
08/24/2000	FMETL	1.19	ND	4.37	ND		
11/20/2000	FMETL	ND	1.19	3.19	ND		
03/08/2001	FMETL	ND	ND	3.70	ND		-
05/16/2001	FMETL	ND	ND	2.52	ND		-
09/25/2001	FMETL	ND	ND	2.95	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		-
06/18/2002	FMETL	ND	ND	1.64	ND		V
09/18/2002	FMETL	ND	ND	1.97	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND		V,P
03/13/2003	FMETL	0.57	ND	ND	ND		V,P
05/21/2003	FMETL	ND	0.51	2.33	ND	ND	V,P
09/17/2003	FMETL	1.14	ND	ND	ND	ND	V,P
			ND	1.13	ND	ND	V,P

SOURCE: 4

Sampling Dates:
04/08/1997 - 09/17/2003

NOTES:

PAGE 1 OF 1
Stream 4 is Salt-Water.
MTBE limit is NLE
cis-1,2-Di limit is NLE
TCE limit is 81
PCE limit is 4.29

Fort Monmouth

GW Monitoring
Streams

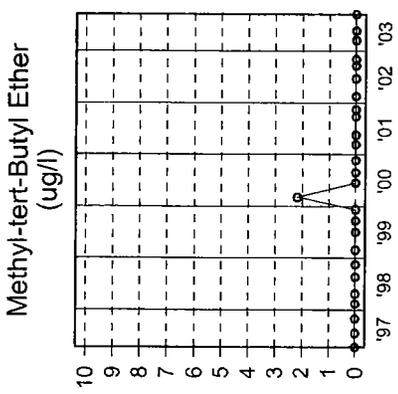
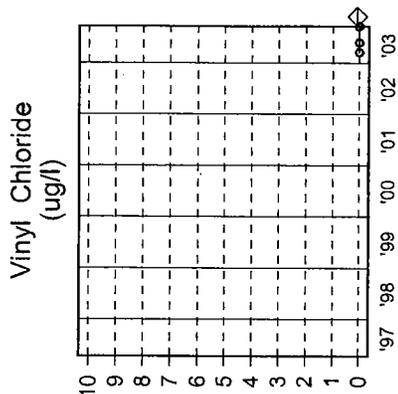
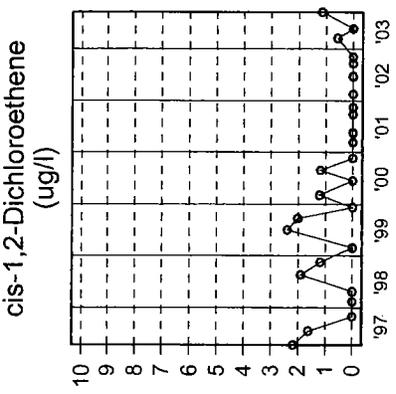
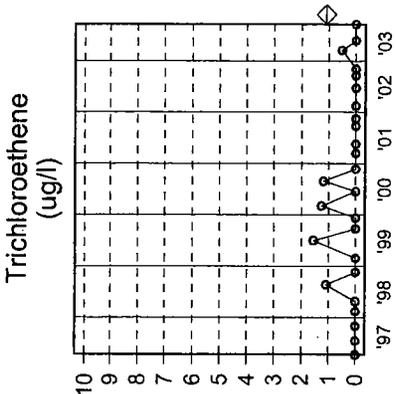
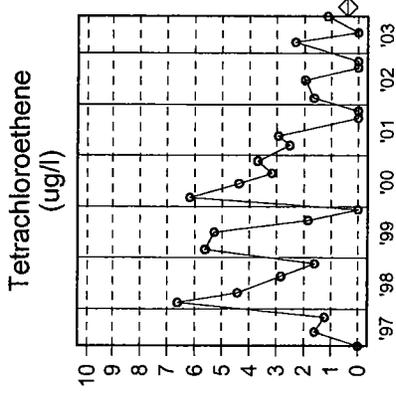
Source 2 of 23



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 4

Sampling Dates:
04/08/1997 - 09/17/2003



LEGEND:

PARAMETER

- = Date Sampled
- ◇ = NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 2 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 5
 Sampling Dates: 04/08/1997 - 09/17/2003

NOTES:
 Page 1 of 1
 Stream 5 is Salt-Water.
 MeCl limit is 1600 ug/L.
 cis-1,2-Di limit is NLE.
 TCE limit is 81 ug/L.
 PCE limit is 4.29 ug/L.
 MTBE limit is NLE.

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	1.80	1.09	0.388	-	0.083	-
07/17/1997	FMETL	3.66	ND	2.28	ND		
10/30/1997	FMETL	1.83	ND	3.54	ND		
02/10/1998	FMETL	ND	ND	1.70	ND		
04/21/1998	FMETL	ND	ND	6.34	ND		
08/19/1998	FMETL	2.28	1.27	4.48	ND		
11/17/1998	FMETL	1.67	2.17	3.39	ND		
02/25/1999	FMETL	ND	ND	2.17	ND		
06/29/1999	FMETL	2.74	1.74	6.04	ND		
09/22/1999	FMETL	1.96	ND	1.82	ND		
12/09/1999	FMETL	1.60	ND	3.82	ND		
03/01/2000	FMETL	1.27	1.36	6.62	2.34		
06/12/2000	FMETL	ND	ND	4.38	ND		
08/24/2000	FMETL	1.19	ND	3.44	ND		
11/20/2000	FMETL	ND	ND	3.58	ND		-
03/08/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	0.97	ND	4.09	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	1.51	ND	1.99	ND		-
02/11/2002	FMETL	ND	ND	2.44	ND		V
06/18/2002	FMETL	ND	ND	2.39	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND		V,P
03/13/2003	FMETL	0.81	0.71	3.08	ND	ND	V,P
05/21/2003	FMETL	ND	ND	3.54	ND	ND	V,P
09/17/2003	FMETL	1.36	ND	1.23	ND	ND	V,P

Fort Monmouth

GW Monitoring
Streams

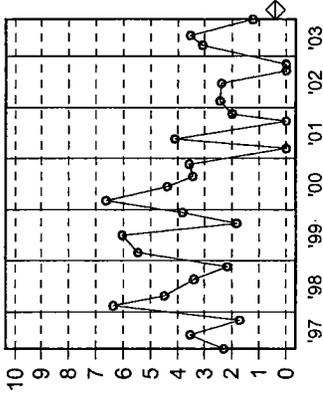
Source 3 of 23



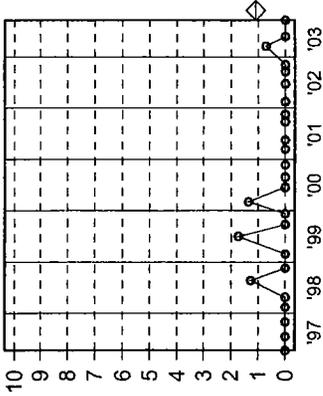
SOURCE: 5

Sampling Dates:
04/08/1997 - 09/17/2003

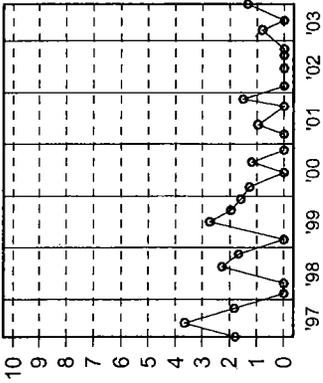
Tetrachloroethene
(ug/l)



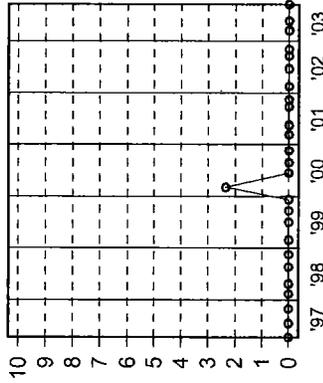
Trichloroethene
(ug/l)



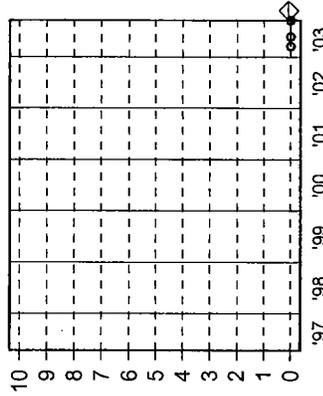
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 3 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 7
 Sampling Dates:
 04/08/1997 - 09/17/2003

NOTES:
 Page 1 of 1
 Stream 7 is Salt-Water.
 cis-1,2-Di limit is NLE.
 TCE limit is 81 ug/L.
 PCE limit is 4.29 ug/L.
 MTBE limit is NLE.
 Acetone limit is NLE.

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	ND	1.09	0.388	-	0.083	-
07/17/1997	FMETL	1.14	ND	ND	ND		
10/30/1997	FMETL	ND	ND	1.08	ND		
02/10/1998	FMETL	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	2.04	ND		
08/19/1998	FMETL	ND	ND	2.40	ND		
11/17/1998	FMETL	ND	ND	ND	ND		
02/25/1999	FMETL	ND	ND	2.85	ND		
06/29/1999	FMETL	ND	ND	1.42	2.00		
09/22/1999	FMETL	ND	ND	ND	ND		
12/09/1999	FMETL	ND	ND	ND	ND		
03/01/2000	FMETL	1.19	1.30	6.47	2.14		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	1.77	ND		
11/20/2000	FMETL	ND	ND	1.94	ND		-
03/08/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND		V,P
03/13/2003	FMETL	ND	ND	1.61	ND	ND	V,P
05/21/2003	FMETL	ND	ND	2.67	ND	ND	V,P
09/17/2003	FMETL	1.17	ND	1.08	ND	ND	V,P

Fort Monmouth

GW Monitoring
Streams

Source 4 of 23



Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	2.78	1.09	0.388	-	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND		
10/30/1997	FMETL	2.14	ND	ND	ND		
02/10/1998	FMETL	6.00	ND	ND	ND		
04/21/1998	FMETL	4.73	ND	ND	ND		
08/19/1998	FMETL	1.69	ND	ND	ND		
11/17/1998	FMETL	ND	ND	ND	ND		
02/25/1999	FMETL	1.78	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND		
09/21/1999	FMETL	1.91	ND	ND	ND		
12/09/1999	FMETL	ND	ND	ND	ND		
03/01/2000	FMETL	2.17	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	1.11	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		
11/20/2000D	FMETL	ND	ND	ND	ND		
02/21/2001	FMETL	1.72	ND	ND	ND		
05/16/2001	FMETL	ND	ND	ND	ND		
09/11/2001	FMETL	ND	ND	ND	ND		
11/14/2001	FMETL	ND	ND	ND	ND		
02/11/2002	FMETL	ND	ND	ND	ND		
06/18/2002	FMETL	ND	ND	ND	ND		V
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	1.24	ND	ND	ND		V,P
03/13/2003	FMETL	9.40	ND	ND	ND	ND	V,P
05/21/2003	FMETL	1.48	ND	ND	ND	ND	V,P
09/17/2003	FMETL	ND	ND	ND	ND	ND	V,P

SOURCE: 9
 Sampling Dates:
 04/08/1997 - 09/17/2003

NOTES:
 PAGE 1 OF 1
 Stream 9 is Salt-Water.
 MeCl limit is 1600 ug/L.
 cis-1,2-Di limit is NLE.
 Acetone limit is NLE.

Fort Monmouth
 GW Monitoring
 Streams
 Source 5 of 23



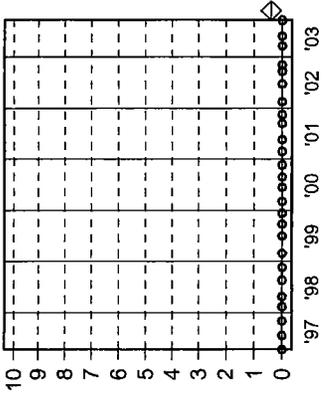
U.S. ARMY
 FORT MONMOUTH
 SELF-M-PW-EV

SOURCE: 9

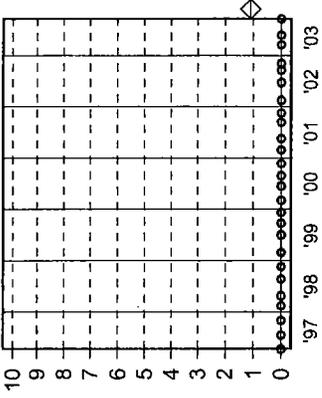
Sampling Dates:

04/08/1997 - 09/17/2003

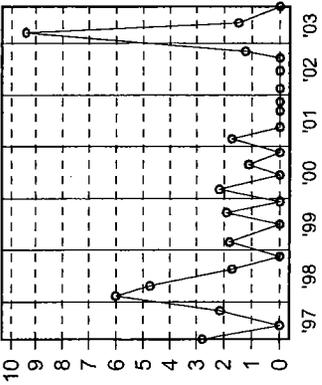
Tetrachloroethene (ug/l)



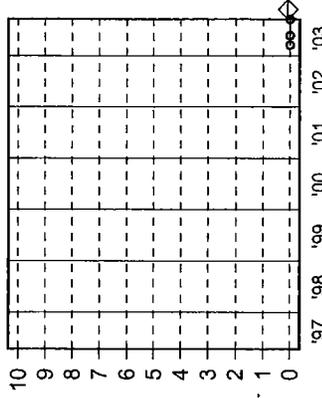
Trichloroethene (ug/l)



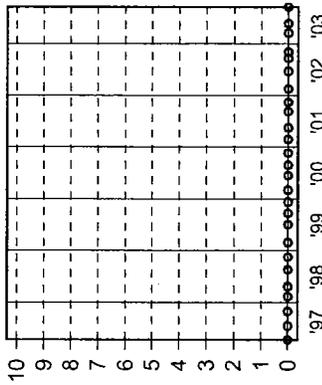
cis-1,2-Dichloroethene (ug/l)



Vinyl Chloride (ug/l)



Methyl-tert-Butyl Ether (ug/l)



LEGEND:

PARAMETER

o = Date Sampled

◇ = NJDEP Criteria

Fort Monmouth

GW Monitoring Streams

Source 5 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	-	1.09	0.388	-	0.083	-
04/08/1997	FMETL	18.72	1.58	ND	ND	ND	-
07/17/1997	FMETL	14.13	ND	ND	ND	ND	-
10/30/1997	FMETL	18.23	ND	ND	ND	ND	-
02/10/1998	FMETL	24.71	2.14	ND	ND	ND	-
04/21/1998	FMETL	21.66	1.82	ND	ND	ND	-
08/19/1998	FMETL	11.73	ND	ND	ND	ND	-
11/18/1998	FMETL	8.82	ND	ND	ND	ND	-
02/25/1999	FMETL	9.11	ND	ND	ND	ND	-
06/29/1999	FMETL	5.77	ND	ND	ND	ND	-
09/21/1999	FMETL	15.62	ND	ND	ND	ND	-
12/09/1999	FMETL	11.90	ND	ND	ND	ND	-
03/01/2000	FMETL	11.01	ND	ND	1.64	ND	-
06/12/2000	FMETL	8.03	ND	ND	ND	ND	-
08/24/2000	FMETL	9.08	ND	ND	ND	ND	-
08/24/2000D	FMETL	8.70	ND	ND	ND	ND	-
11/20/2000	FMETL	5.34	ND	ND	ND	ND	-
02/21/2001	FMETL	8.26	ND	ND	ND	ND	-
05/16/2001	FMETL	5.21	ND	ND	ND	ND	-
09/25/2001	FMETL	ND	ND	ND	ND	ND	-
11/14/2001	FMETL	1.93	ND	ND	ND	ND	-
02/11/2002	FMETL	1.05	ND	ND	ND	ND	V
06/18/2002	FMETL	3.08	ND	ND	ND	ND	V,P
09/18/2002	FMETL	4.17	ND	ND	ND	ND	V,P
11/05/2002	FMETL	7.48	ND	ND	ND	1.33	V,P
03/13/2003	FMETL	24.28	0.67	ND	0.79	3.37	V,P
05/21/2003	FMETL	14.79	ND	ND	ND	1.41	V,P
09/17/2003	FMETL	7.79	ND	ND	ND	1.74	V,P

SOURCE: 11

Sampling Dates:
04/08/1997 - 09/17/2003

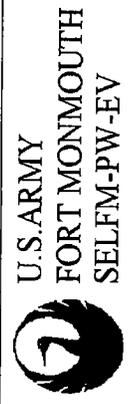
NOTES:

Page 1 of 1
Stream 11 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

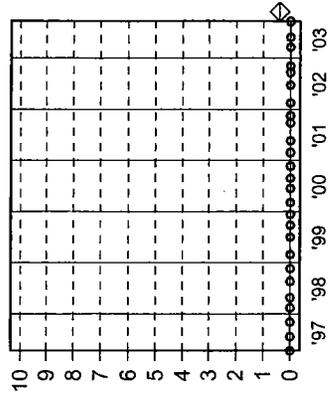
Source 6 of 23



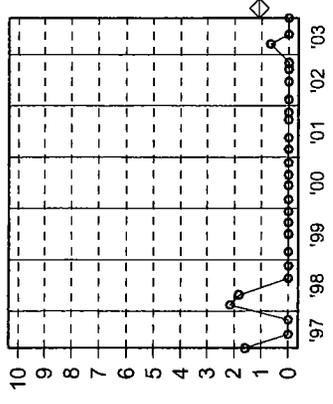
SOURCE: 11

Sampling Dates:
04/08/1997 - 09/17/2003

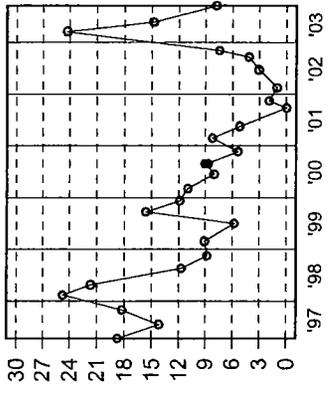
Tetrachloroethene
(ug/l)



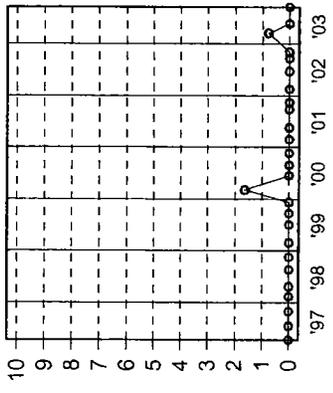
Trichloroethene
(ug/l)



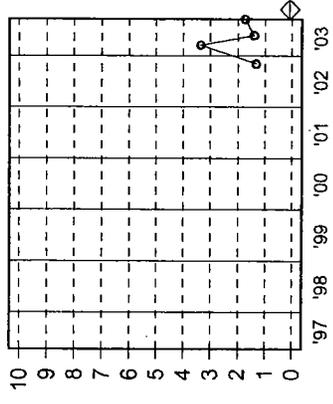
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date Sampled

◇ = NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 6 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

SOURCE: 12
 Sampling Dates:
 04/08/1997 - 09/17/2003

NOTES:
 Page 1 of 1
 Stream 12 is Fresh-Water.
 cis-1,2-Di limit is NLE.
 Acetone limit is NLE.

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	6.63	1.09	0.388	-	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND		
10/30/1997	FMETL	5.67	ND	ND	ND		
02/10/1998	FMETL	6.54	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	4.58	ND	ND	ND		
11/18/1998	FMETL	2.48	ND	ND	ND		
02/25/1999	FMETL	1.80	ND	ND	ND		
06/29/1999	FMETL	1.39	ND	ND	ND		
09/21/1999	FMETL	3.67	ND	ND	ND		
12/09/1999	FMETL	2.74	ND	ND	ND		
03/01/2000	FMETL	3.13	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	2.00	ND	ND	ND		
11/20/2000	FMETL	1.87	ND	ND	ND		-
02/21/2001	FMETL	1.89	ND	ND	ND		-
05/16/2001	FMETL	1.66	ND	ND	ND		-
05/16/2001D	FMETL	1.72	ND	ND	ND		-
09/11/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/05/2002	FMETL	5.16	ND	ND	ND	ND	V,P
03/13/2003	FMETL	9.43	ND	ND	1.18	1.30	V,P
05/21/2003	FMETL	3.90	ND	ND	ND	ND	V,P
09/17/2003	FMETL	2.91	ND	ND	ND	ND	V,P

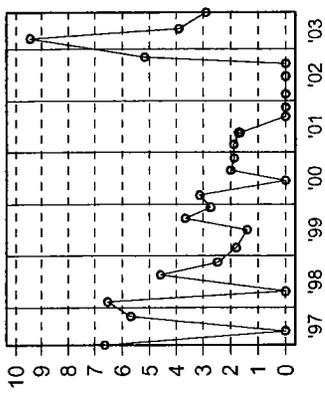
Fort Monmouth
 GW Monitoring
 Streams
 Source 7 of 23



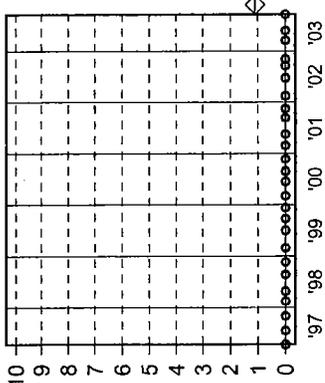
SOURCE: 12

Sampling Dates:
04/08/1997 - 09/17/2003

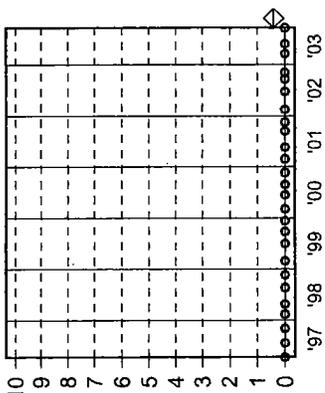
cis-1,2-Dichloroethene
(ug/l)



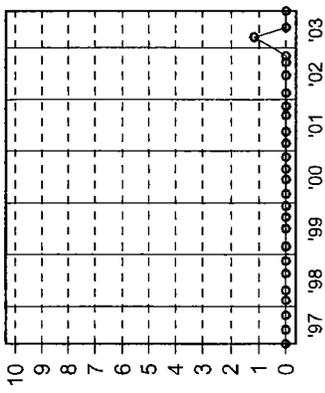
Trichloroethene
(ug/l)



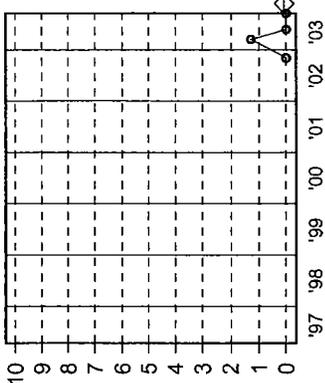
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

- o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 7 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 13

Sampling Dates:
04/08/1997 - 09/17/2003

NOTES:
Page 1 of 1
Stream 13 is Fresh-Water.
MeCl limit is 2.49 ug/L.
cis-1,2-Di limit is NLE.
TCE limit is 1.09.
PCE limit is 0.388 ug/L.
Acetone limit is NLE.
MTBE limit is NLE.

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	ND	1.09	0.388	-	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND		
10/30/1997	FMETL	ND	ND	ND	ND		
02/10/1998	FMETL	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	ND		
11/18/1998	FMETL	ND	ND	ND	ND		
02/25/1999	FMETL	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND		
09/22/1999	FMETL	ND	ND	ND	ND		
12/09/1999	FMETL	ND	ND	3.94	ND		
03/01/2000	FMETL	1.35	1.40	6.92	2.40		
06/12/2000	FMETL	ND	ND	5.56	ND		
08/24/2000	FMETL	2.17	1.78	5.40	ND		
11/20/2000	FMETL	ND	ND	6.58	ND		-
02/21/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/05/2002	FMETL	ND	ND	1.46	ND	ND	V,P
03/24/2003	FMETL	ND	ND	ND	ND	ND	V,P
05/21/2003	FMETL	ND	ND	ND	ND	ND	V,P
09/17/2003	FMETL	ND	ND	ND	ND	ND	V,P

Fort Monmouth

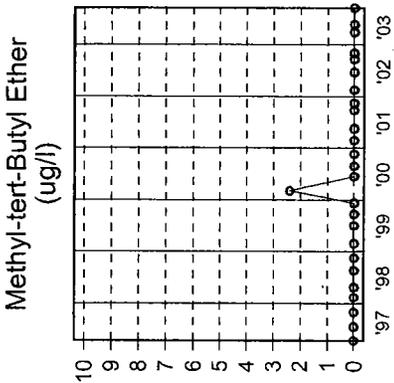
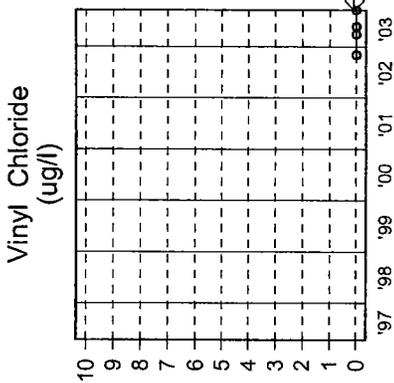
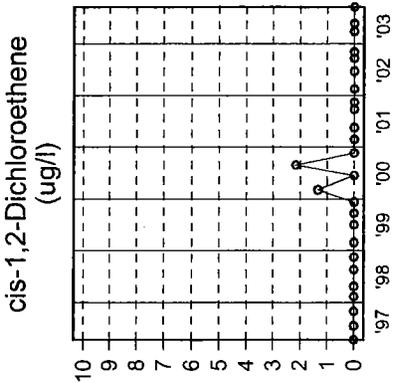
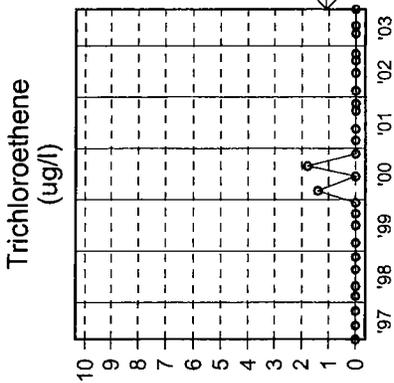
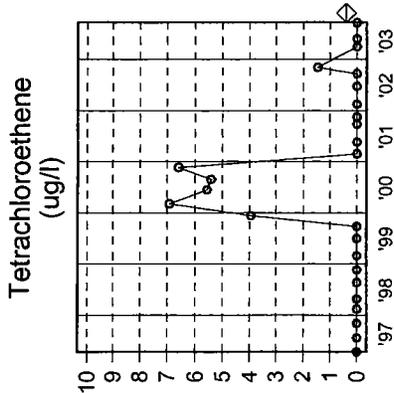
GW Monitoring
Streams

Source 8 of 23



SOURCE: 13

Sampling Dates:
04/08/1997 - 09/17/2003



LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring Streams

Source 8 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	ND	1.09	0.388	-	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND		
10/30/1997	FMETL	1.59	1.75	ND	ND		
02/10/1998	FMETL	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	ND		
11/18/1998	FMETL	ND	ND	ND	ND		
02/25/1999	FMETL	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND		
09/22/1999	FMETL	ND	ND	ND	ND		
12/09/1999	FMETL	11.26	ND	ND	ND		
03/01/2000	FMETL	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		
03/08/2001	FMETL	ND	ND	ND	ND		
03/08/2001D	FMETL	ND	ND	ND	ND		
05/16/2001	FMETL	ND	ND	ND	ND		
09/25/2001	FMETL	ND	ND	ND	ND		
11/14/2001	FMETL	ND	ND	ND	ND		
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/05/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/24/2003	FMETL	ND	ND	ND	ND	ND	V,P
05/21/2003	FMETL	ND	ND	ND	ND	ND	V,P
09/17/2003	FMETL	ND	ND	ND	ND	ND	V,P

SOURCE: 14

Sampling Dates:

04/08/1997 - 09/17/2003

NOTES:

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Stream 14 is Fresh-Water.

cis-1,2-D1 limit is NLE.

TCE limit is 1.09.

Acetone limit is NLE.

Fort Monmouth

GW Monitoring
Streams

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 15

Sampling Dates:
04/08/1997 - 09/17/2003

NOTES:
Page 1 of 1
Stream 15 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09 ug/L.
PCE limit is 0.388 ug/L.
MTBE limit is NLE.

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	2.69	1.09	0.388	-	0.083	-
07/17/1997	FMETL	5.53	1.60	6.00	ND		
10/30/1997	FMETL	2.57	2.50	7.12	ND		
02/10/1998	FMETL	ND	ND	2.72	ND		
04/21/1998	FMETL	1.22	1.03	6.90	ND		
08/19/1998	FMETL	3.89	1.21	5.72	ND		
11/18/1998	FMETL	ND	2.06	5.39	ND		
02/25/1999	FMETL	ND	ND	ND	ND		
06/29/1999	FMETL	4.17	ND	7.33	ND		
09/21/1999	FMETL	3.59	2.40	7.86	ND		
12/09/1999	FMETL	ND	1.37	2.61	ND		
03/01/2000	FMETL	1.39	ND	4.08	ND		
06/12/2000	FMETL	ND	1.39	6.95	2.38		
08/24/2000	FMETL	2.02	ND	5.94	ND		
11/20/2000	FMETL	ND	1.09	5.20	ND		
02/21/2001	FMETL	ND	ND	6.29	ND		-
05/16/2001	FMETL	1.50	ND	7.19	ND		-
09/25/2001	FMETL	ND	ND	6.64	ND		-
09/25/2001D	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	3.09	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	3.49	ND		V
06/18/2002	FMETL	1.63	ND	2.65	ND		V,P
09/18/2002	FMETL	2.39	ND	2.67	ND		V,P
11/05/2002	FMETL	ND	ND	2.55	ND		V,P
03/24/2003	FMETL	1.44	1.11	1.52	ND	ND	V,P
05/21/2003	FMETL	1.89	ND	3.96	ND	ND	V,P
09/17/2003	FMETL	1.64	ND	3.84	ND	ND	V,P
			ND	1.60	ND	ND	V,P

Fort Monmouth

GW Monitoring
Streams

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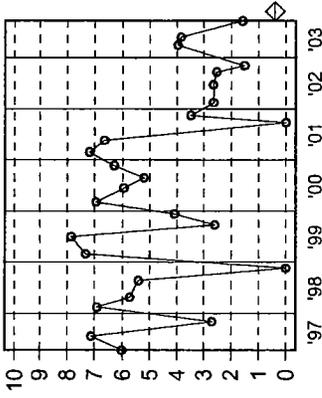


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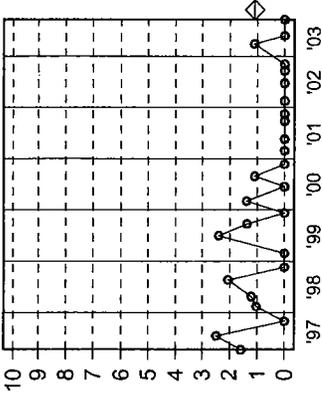
Sampling Dates:

04/08/1997 - 09/17/2003

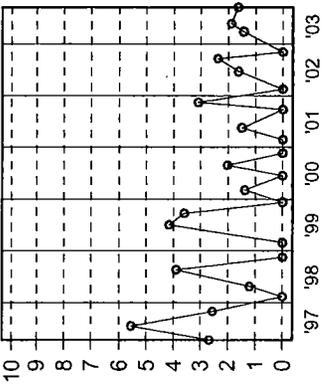
Tetrachloroethene
(ug/l)



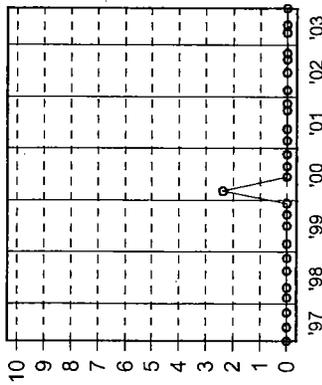
Trichloroethene
(ug/l)



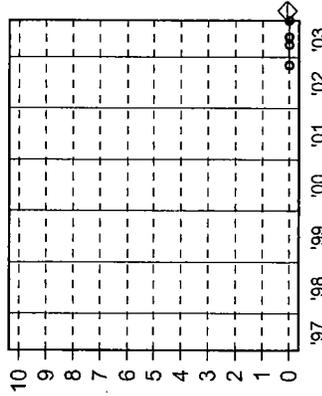
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 10 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	-	1.09	0.388	-	0.083	-
04/08/1997	FMETL	2.05	1.26	4.47	ND		
07/17/1997	FMETL	2.55	ND	4.72	ND		
10/30/1997	FMETL	1.76	ND	1.86	ND		
02/10/1998	FMETL	ND	ND	6.23	ND		
04/21/1998	FMETL	ND	ND	4.58	ND		
08/19/1998	FMETL	2.94	1.63	4.33	ND		
11/18/1998	FMETL	ND	ND	1.48	ND		
02/25/1999	FMETL	ND	ND	6.06	ND		
06/29/1999	FMETL	3.56	2.25	7.70	ND		
09/22/1999	FMETL	2.74	ND	2.63	ND		
12/09/1999	FMETL	1.79	ND	4.13	ND		
03/01/2000	FMETL	1.28	1.27	6.47	2.33		
06/12/2000	FMETL	ND	ND	3.74	ND		
08/24/2000	FMETL	1.68	1.28	4.47	ND		
11/20/2000	FMETL	ND	ND	4.49	ND		-
02/21/2001	FMETL	ND	ND	6.25	ND		-
05/16/2001	FMETL	1.23	ND	4.91	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	1.41	ND	2.00	ND		-
02/11/2002	FMETL	ND	ND	2.47	ND		V
06/18/2002	FMETL	1.35	ND	2.46	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/05/2002	FMETL	ND	ND	1.49	ND	ND	V,P
03/13/2003	FMETL	0.90	0.74	3.21	ND	ND	V,P
05/21/2003	FMETL	1.85	ND	3.68	ND	ND	V,P
09/17/2003	FMETL	1.79	ND	1.70	ND	ND	V,P

SOURCE: 16

Sampling Dates:
04/08/1997 - 09/17/2003

NOTES:

Page 1 of 1
Stream 16 is Salt-Water.
cis-1,2-di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 11 of 23



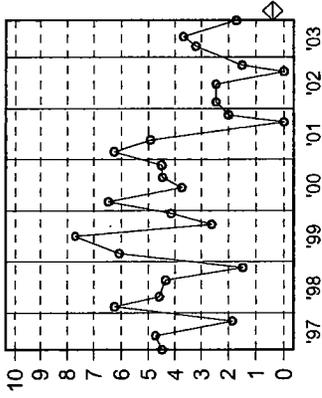
**U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV**

SOURCE: 16

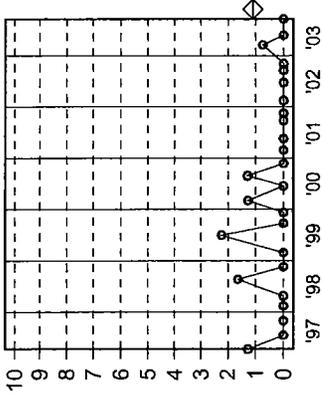
Sampling Dates:

04/08/1997 - 09/17/2003

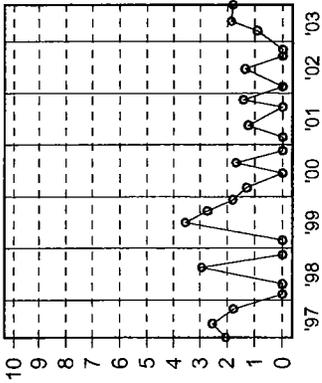
Tetrachloroethene
(ug/l)



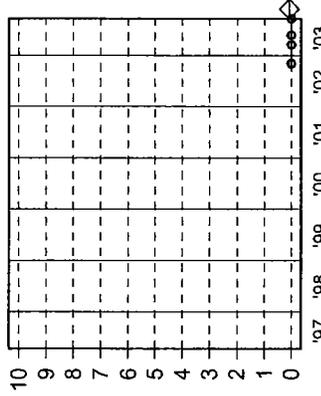
Trichloroethene
(ug/l)



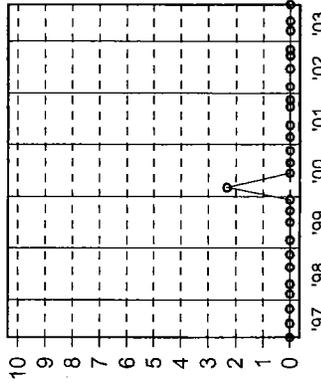
cis-1,2-Dichloroethene
(ug/l)



Vinyl Chloride
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



LEGEND:

PARAMETER:

o = Date
Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 11 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

SOURCE: 17		Sampling Dates: 04/08/1997 - 09/17/2003									
Units:		NOTES: Page 1 of 1 stream 17 is Salt-Water. cis-1,2-Di limit is NLE. TCE limit is 81 ug/L. PCE limit is 4.29 ug/L. Acetone limit is NLE. Chlorobenzene limit is 21000 ug/L.									
Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes					
	ug/l	ug/l	ug/l	ug/l	ug/l						
NJDEP Criteria:	-	1.09	0.388	-	0.083	-					
04/08/1997	FMETL	ND	ND	ND	ND	-					
07/17/1997	FMETL	ND	ND	ND	ND	-					
10/30/1997	FMETL	ND	ND	ND	ND	-					
02/10/1998	FMETL	ND	ND	ND	ND	-					
04/21/1998	FMETL	ND	ND	ND	ND	-					
08/19/1998	FMETL	ND	ND	ND	ND	-					
11/18/1998	FMETL	4.43	2.12	5.09	ND	-					
02/25/1999	FMETL	ND	ND	ND	ND	-					
06/29/1999	FMETL	ND	ND	ND	ND	-					
09/22/1999	FMETL	1.09	ND	ND	ND	-					
12/09/1999	FMETL	ND	ND	ND	ND	-					
03/01/2000	FMETL	ND	ND	ND	ND	-					
06/12/2000	FMETL	ND	ND	ND	ND	-					
08/24/2000	FMETL	ND	ND	ND	ND	-					
11/20/2000	FMETL	ND	ND	ND	ND	-					
03/08/2001	FMETL	ND	ND	ND	ND	-					
05/16/2001	FMETL	ND	ND	ND	ND	-					
09/25/2001	FMETL	ND	ND	ND	ND	-					
11/14/2001	FMETL	ND	ND	ND	ND	-					
02/11/2002	FMETL	ND	ND	ND	ND	V					
06/18/2002	FMETL	ND	ND	ND	ND	V,P					
09/18/2002	FMETL	ND	ND	ND	ND	V,P					
11/04/2002	FMETL	ND	ND	ND	ND	V,P					
03/24/2003	FMETL	ND	ND	ND	ND	V,P					
05/21/2003	FMETL	ND	ND	ND	ND	V,P					
09/17/2003	FMETL	ND	ND	ND	ND	V,P					

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GW Monitoring
Streams

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Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	-	1.09	0.388	-	0.083	-
04/08/1997	FMETL	ND	ND	ND	ND		
07/17/1997	FMETL	1.06	ND	ND	ND		
10/30/1997	FMETL	5.87	ND	ND	ND		
02/10/1998	FMETL	14.36	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	4.65	ND	ND	ND		
11/18/1998	FMETL	3.18	ND	ND	ND		
02/25/1999	FMETL	3.95	ND	ND	ND		
06/29/1999	FMETL	1.47	ND	ND	ND		
09/21/1999	FMETL	4.67	ND	ND	ND		
12/09/1999	FMETL	4.90	ND	ND	ND		
03/01/2000	FMETL	5.57	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	2.46	ND	ND	ND		
11/20/2000	FMETL	1.80	ND	ND	ND		
02/21/2001	FMETL	4.10	ND	ND	ND		
05/16/2001	FMETL	1.45	ND	ND	ND		
09/11/2001	FMETL	ND	ND	ND	ND		
09/11/2001D	FMETL	ND	ND	ND	ND		
11/14/2001	FMETL	ND	ND	ND	ND		
02/11/2002	FMETL	ND	ND	ND	ND		
06/18/2002	FMETL	ND	ND	ND	ND		V
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/05/2002	FMETL	5.14	ND	ND	ND	ND	V,P
03/13/2003	FMETL	17.75	0.52	ND	0.67	2.33	V,P
05/21/2003	FMETL	3.92	ND	ND	ND	ND	V,P
09/17/2003	FMETL	2.89	ND	ND	ND	ND	V,P

SOURCE: 18

Sampling Dates:

04/08/1997 - 09/17/2003

NOTES:

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Stream 18 is Fresh-Water.

cis-1,2-Di limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 13 of 23

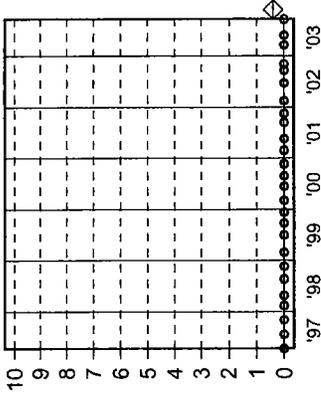


U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

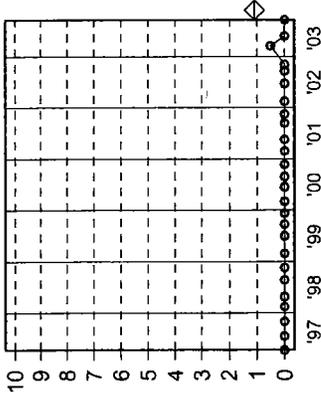
SOURCE: 18

Sampling Dates:
04/08/1997 - 09/17/2003

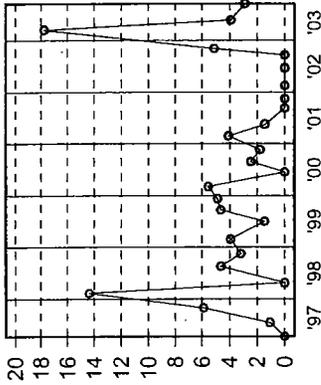
Tetrachloroethene
(ug/l)



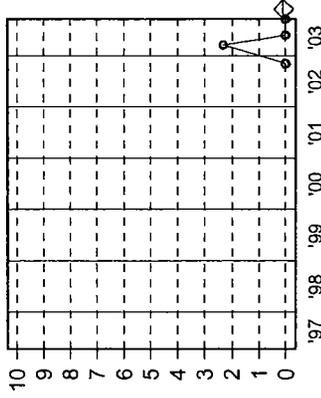
Trichloroethene
(ug/l)



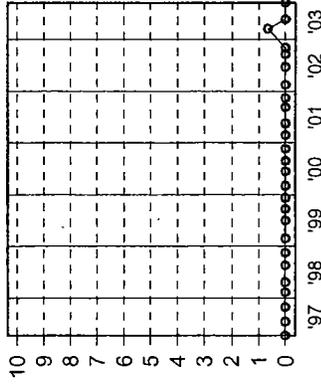
cis-1,2-Dichloroethene
(ug/l)



Vinyl Chloride
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ =
NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 13 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

SOURCE: 19
 Sampling Dates:
 04/08/1997 - 09/17/2003

NOTES:
 Page 1 of 1
 Stream 19 is Salt-Water.
 cis-1,2-Di limit is NLE.

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
		-	1.09	0.388	-	0.083	-
04/08/1997	FMETL	6.44	ND	ND	ND		
07/17/1997	FMETL	ND	ND	ND	ND		
10/30/1997	FMETL	4.69	ND	ND	ND		
02/10/1998	FMETL	8.22	ND	ND	ND		
04/21/1998	FMETL	6.86	ND	ND	ND		
08/19/1998	FMETL	2.95	ND	ND	ND		
11/17/1998	FMETL	2.3	ND	ND	ND		
02/25/1999	FMETL	2.30	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	ND		
09/21/1999	FMETL	3.53	ND	ND	ND		
12/09/1999	FMETL	2.60	ND	ND	ND		
03/01/2000	FMETL	2.92	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	2.07	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		-
02/21/2001	FMETL	2.99	ND	ND	ND		-
02/21/2001D	FMETL	3.87	ND	ND	ND		-
05/16/2001	FMETL	1.57	ND	ND	ND		-
09/11/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	2.69	ND	ND	ND	ND	V,P
03/13/2003	FMETL	13.43	0.44	ND	ND	1.61	V,P
05/21/2003	FMETL	3.07	ND	ND	ND	ND	V,P
09/17/2003	FMETL	1.72	ND	ND	ND	ND	V,P

Fort Monmouth

GW Monitoring
Streams

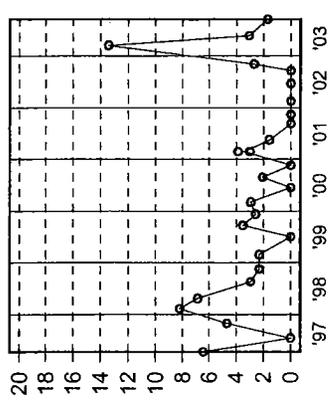
Source 14 of 23



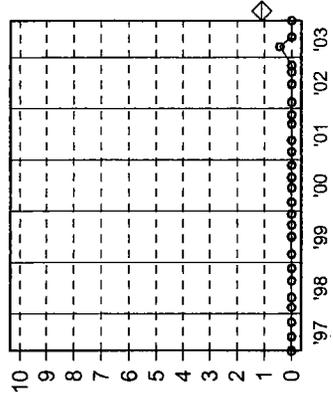
SOURCE: 19

Sampling Dates:
04/08/1997 - 09/17/2003

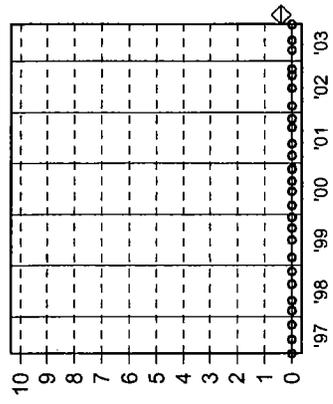
cis-1,2-Dichloroethene
(ug/l)



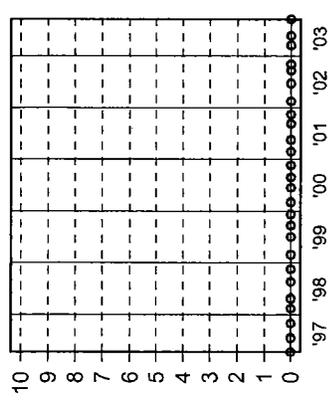
Trichloroethene
(ug/l)



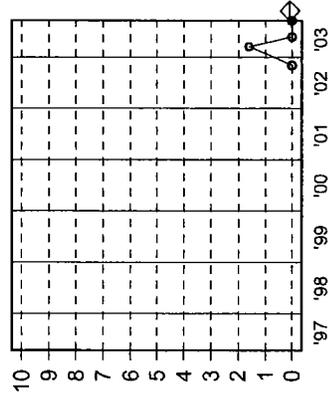
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring Streams

Source 14 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 20		Sampling Dates: 04/08/1997 - 09/17/2003									
Units:		NOTES: Page 1 of 1 Stream20 is Salt-Water. Ethylben limit is 27900 ug/L. MTBE limit is NLE.									
Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride						Notes
-	ug/l	ug/l	ug/l	ug/l	ug/l						-
NJDEP Criteria:	-	1.09	0.388	-	0.083						-
04/08/1997	FMETL	ND	ND	ND	ND						
07/17/1997	FMETL	ND	ND	2.63							
10/30/1997	FMETL	ND	ND	ND	ND						
02/10/1998	FMETL	ND	ND	ND	ND						
04/21/1998	FMETL	ND	ND	ND	ND						
08/19/1998	FMETL	ND	ND	4.85							
11/17/1998	FMETL	ND	ND	ND	ND						
02/25/1999	FMETL	ND	ND	ND	ND						
06/29/1999	FMETL	ND	ND	5.70							
09/21/1999	FMETL	ND	ND	2.10							
12/09/1999	FMETL	ND	ND	ND	ND						
03/01/2000	FMETL	ND	ND	ND	ND						
06/12/2000	FMETL	ND	ND	6.38							
08/24/2000	FMETL	ND	ND	2.58							
11/20/2000	FMETL	ND	ND	ND	ND						-
02/21/2001	FMETL	ND	ND	ND	ND						-
05/16/2001	FMETL	ND	ND	ND	ND						-
09/25/2001	FMETL	ND	ND	ND	ND						-
11/14/2001	FMETL	ND	ND	ND	ND						-
02/11/2002	FMETL	ND	ND	ND	ND						V
06/18/2002	FMETL	ND	ND	1.26							V,P
09/18/2002	FMETL	ND	ND	ND	ND						V,P
11/04/2002	FMETL	ND	ND	ND	ND						V,P
03/13/2003	FMETL	ND	0.64	ND	ND						V,P
05/21/2003	FMETL	ND	ND	1.37	ND						V,P
09/17/2003	FMETL	ND	ND	ND	ND						V,P

Fort Monmouth

GW Monitoring
Streams

Source 15 of 23



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	-	1.09	0.388	-	0.083	-
04/08/1997	FMETL	ND	ND	ND	ND		
07/17/1997	FMETL	ND	ND	ND	2.90		
10/30/1997	FMETL	ND	ND	ND	ND		
02/10/1998	FMETL	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	4.71		
11/17/1998	FMETL	ND	ND	ND	ND		
02/25/1999	FMETL	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	7.40		
09/21/1999	FMETL	1.17	ND	ND	2.24		
12/09/1999	FMETL	ND	ND	ND	ND		
03/01/2000	FMETL	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	ND		
08/24/2000	FMETL	ND	ND	ND	2.67		
11/20/2000	FMETL	ND	ND	ND	ND		-
02/21/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/11/2001	FMETL	ND	ND	ND	1.76		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/13/2003	FMETL	ND	ND	0.63	ND	ND	V,P
05/21/2003	FMETL	ND	ND	ND	1.34	ND	V,P
09/17/2003	FMETL	ND	ND	ND	ND	ND	V,P

SOURCE: 21

Sampling Dates:
04/08/1997 - 09/17/2003

NOTES:

Page 1 of 1
Stream 21 is Salt-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 16 of 23



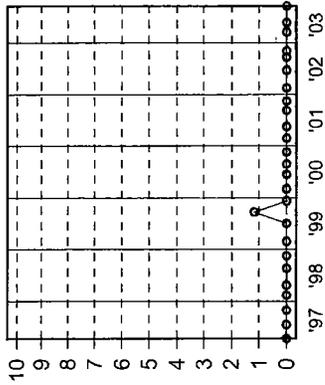
U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 21

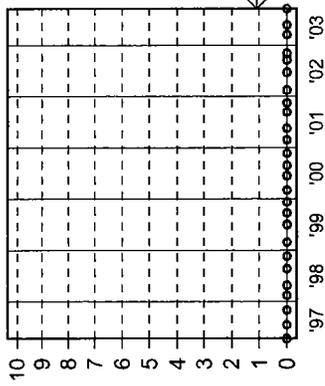
Sampling Dates:

04/08/1997 - 09/17/2003

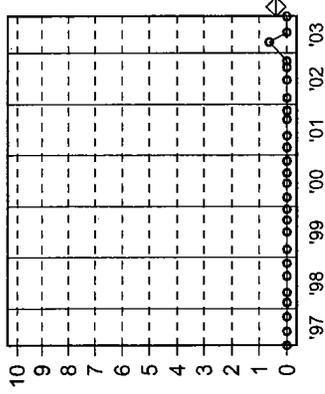
cis-1,2-Dichloroethene
(ug/l)



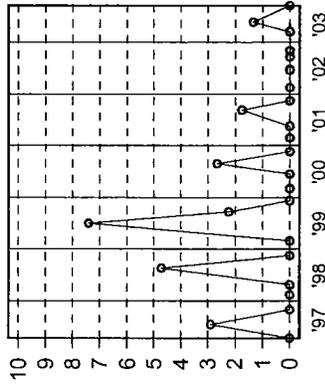
Trichloroethene
(ug/l)



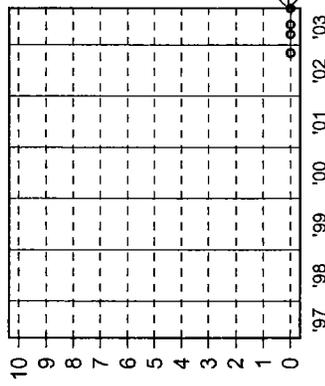
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 16 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
04/08/1997	FMETL	ND	1.09	0.388	-	0.083	-
07/17/1997	FMETL	ND	ND	ND	ND		
10/30/1997	FMETL	ND	ND	ND	4.26		
02/10/1998	FMETL	ND	ND	ND	ND		
04/21/1998	FMETL	ND	ND	ND	ND		
08/19/1998	FMETL	ND	ND	ND	4.50		
11/17/1998	FMETL	ND	ND	ND	ND		
02/25/1999	FMETL	ND	ND	ND	ND		
06/29/1999	FMETL	ND	ND	ND	8.30		
09/21/1999	FMETL	ND	ND	ND	0.82		
12/09/1999	FMETL	ND	ND	ND	ND		
03/01/2000	FMETL	ND	ND	ND	ND		
06/12/2000	FMETL	ND	ND	ND	10.26		
06/12/2000D	FMETL	ND	ND	ND	10.66		
08/24/2000	FMETL	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		-
02/21/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		V
09/11/2001	FMETL	ND	ND	ND	3.53		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	2.12		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/13/2003	FMETL	1.57	ND	ND	ND	ND	V,P
05/21/2003	FMETL	ND	ND	ND	ND	ND	V,P
09/17/2003	FMETL	ND	ND	ND	ND	ND	V,P

SOURCE: 22

Sampling Dates:
04/08/1997 - 09/17/2003

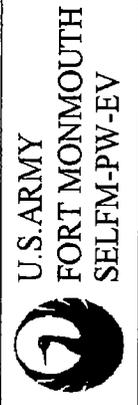
NOTES:

Page 1 of 1
Stream 22 is Salt-Water.
Acetone limit is NLE.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

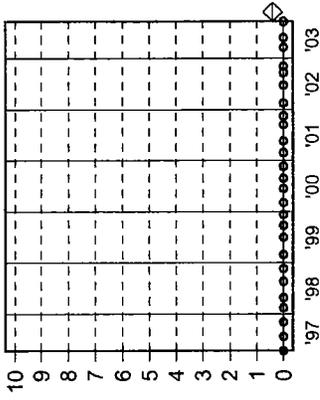
Source 17 of 23



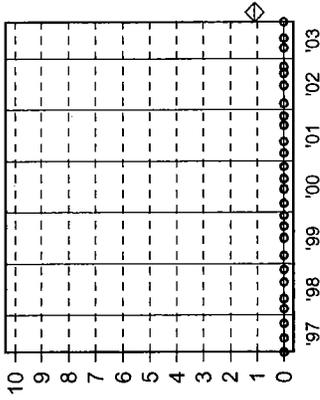
SOURCE: 22

Sampling Dates:
04/08/1997 - 09/17/2003

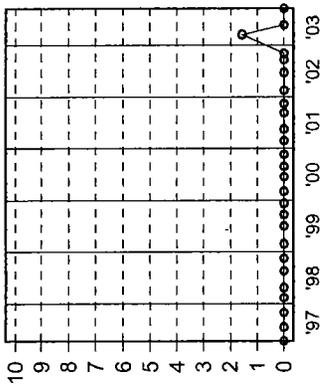
Tetrachloroethene
(ug/l)



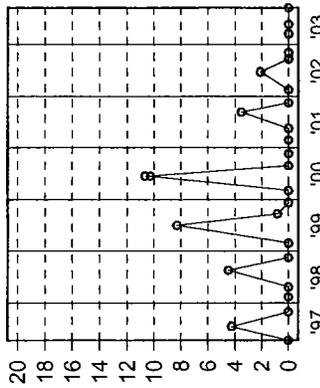
Trichloroethene
(ug/l)



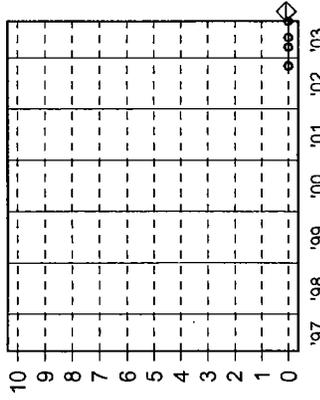
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP
Criteria

Fort Monmouth

GW Monitoring
Streams

Source 17 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 23
 Sampling Dates:
 06/12/2000 - 09/17/2003

Page 1 of 1
 Stream 23 is Fresh-Water

NOTES:

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
06/12/2000	FMETL	ND	1.09	0.388	-	0.083	-
08/24/2000	FMETL	2.24	1.82	5.18	ND		
11/20/2000	FMETL	ND	ND	6.29	ND		-
03/08/2001	FMETL	ND	ND	4.78	ND		-
05/16/2001	FMETL	1.73	ND	6.41	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	3.23	ND	3.64	ND		-
02/11/2002	FMETL	ND	ND	2.85	ND		V
06/18/2002	FMETL	1.58	ND	2.88	ND		V,P
09/18/2002	FMETL	2.49	ND	ND	ND		V,P
11/05/2002	FMETL	ND	ND	1.44	ND	ND	V,P
03/24/2003	FMETL	1.41	1.05	4.01	ND	ND	V,P
05/21/2003	FMETL	2.03	ND	4.06	ND	ND	V,P
09/17/2003	FMETL	1.91	ND	1.77	ND	ND	V,P

Fort Monmouth

GW Monitoring
Streams

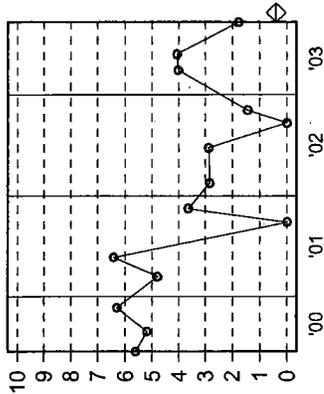
Source 18 of 23



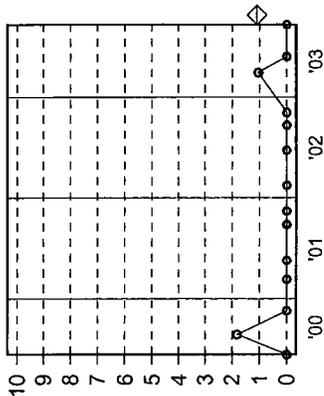
SOURCE: 23

Sampling Dates:
06/12/2000 - 09/17/2003

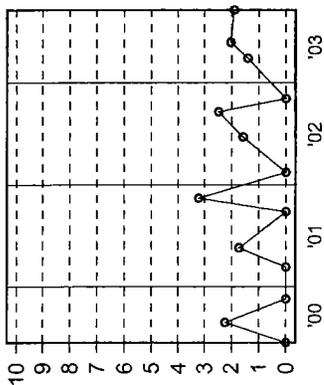
Tetrachloroethene
(ug/l)



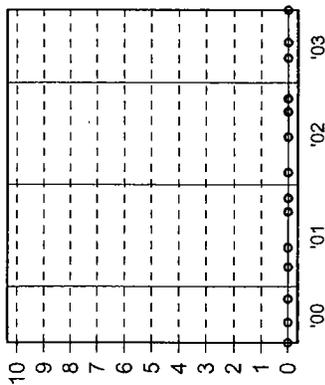
Trichloroethene
(ug/l)



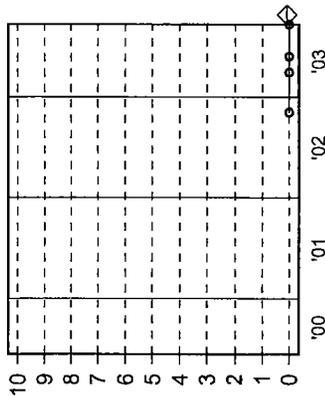
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP
Criteria

Fort Monmouth

GW Monitoring
Streams

Source 18 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

SOURCE: 24

Sampling Dates:
06/12/2000 - 09/17/2003

NOTES:
Page 1 of 2
Stream 24 is Fresh-Water

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
06/12/2000	FMETL	ND	1.09	0.388	-	0.083	-
08/24/2000	FMETL	1.54	1.41	4.72	ND		
11/20/2000	FMETL	ND	ND	4.41	ND		
03/08/2001	FMETL	ND	ND	4.76	ND		-
05/16/2001	FMETL	1.37	ND	5.12	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	3.11	ND	3.28	ND		-
02/11/2002	FMETL	ND	ND	2.69	ND		V
06/18/2002	FMETL	1.60	ND	2.74	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/05/2002	FMETL	ND	ND	1.64	ND	ND	V,P
03/13/2003	FMETL	0.99	0.83	3.50	ND	ND	V,P
05/21/2003	FMETL	1.98	ND	3.94	ND	ND	V,P
09/17/2003	FMETL	1.69	ND	1.61	ND	ND	V,P

Fort Monmouth

GW Monitoring
Streams

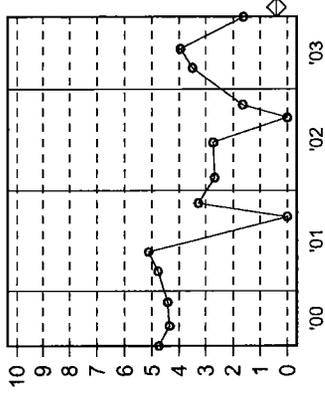
Source 19 of 23



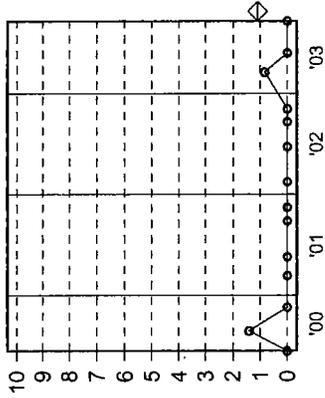
SOURCE: 24

Sampling Dates:
06/12/2000 - 09/17/2003

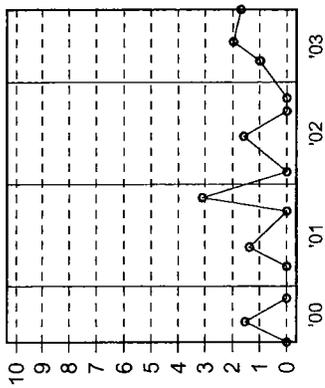
Tetrachloroethene
(ug/l)



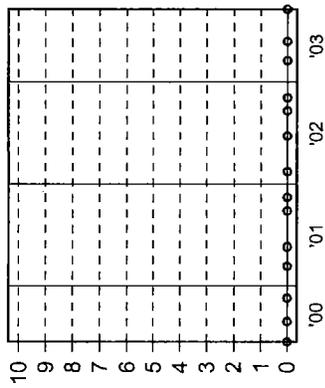
Trichloroethene
(ug/l)



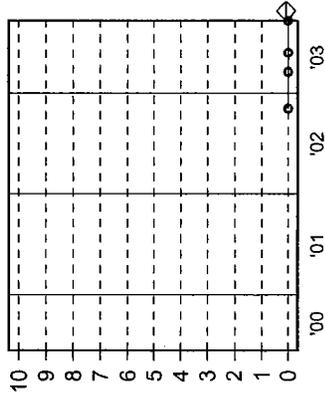
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 19 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

SOURCE: 25
 Sampling Dates:
 06/12/2000 - 09/17/2003

NOTES:
 Page 1 of 1
 Stream 25 is Salt-Water.

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
06/12/2000	FMETL	ND	1.09	0.388	-	0.083	-
08/24/2000	FMETL	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		
03/08/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/24/2003	FMETL	ND	ND	2.22	ND	ND	V,P
05/21/2003	FMETL	ND	ND	ND	ND	ND	V,P
09/17/2003	FMETL	ND	ND	ND	ND	ND	V,P

Fort Monmouth

GW Monitoring
Streams

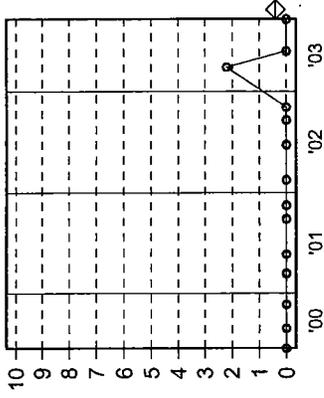
Source 20 of 23



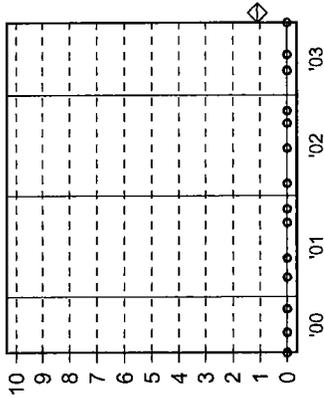
SOURCE: 25

Sampling Dates:
06/12/2000 - 09/17/2003

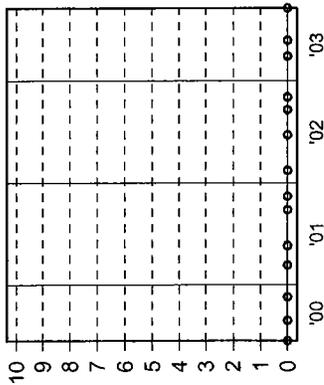
Tetrachloroethene
(ug/l)



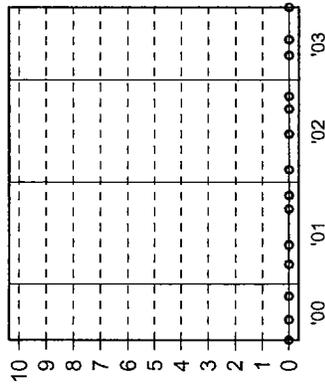
Trichloroethene
(ug/l)



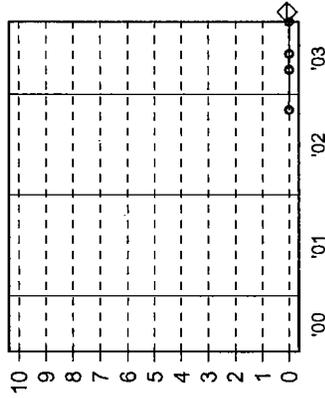
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

- o = Date Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 20 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

<p>SOURCE: 26</p> <p>Sampling Dates: 06/12/2000 - 09/17/2003</p> <p>NOTES: Page 1 of 1 Stream 26 is Fresh-Water</p>	
<p>Fort Monmouth</p>	
<p>GW Monitoring Streams</p>	
<p>Source 21 of 23</p>	
 <p>U.S. ARMY FORT MONMOUTH SELF-M-PW-EV</p>	

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
06/12/2000	FMETL	ND	1.09	0.388	-	0.083	-
08/24/2000	FMETL	ND	ND	ND	ND		
11/20/2000	FMETL	ND	ND	ND	ND		-
03/08/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/24/2003	FMETL	ND	ND	ND	ND	ND	V,P
05/21/2003	FMETL	ND	ND	ND	ND	ND	V,P
09/17/2003	FMETL	ND	ND	ND	ND	ND	V,P

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
06/12/2000	FMETL	ND	1.09	0.388	-	0.083	-
08/24/2000	FMETL	ND	ND	1.72	ND		
11/20/2000	FMETL	ND	ND	1.87	ND		-
03/08/2001	FMETL	ND	ND	ND	ND		-
05/16/2001	FMETL	ND	ND	ND	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	ND	ND		V
06/18/2002	FMETL	ND	ND	ND	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/13/2003	FMETL	ND	ND	1.71	ND	ND	V,P
05/21/2003	FMETL	1.38	2.68	ND	ND	ND	V,P
09/17/2003	FMETL	1.16	ND	1.16	ND	ND	V,P

SOURCE: 27

Sampling Dates:
06/12/2000 - 09/17/2003

NOTES:

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Stream 27 is Salt Water.

Fort Monmouth

GW Monitoring
Streams

Source 22 of 23



U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

SOURCE: 28

Sampling Dates:
06/12/2000 - 09/17/2003

NOTES:
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Stream 28 is Salt-Water
cis-1,2-Dichloroethene limit is NLE
TCE limit is 81
PCE limit is 4.29

Units:	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether	Vinyl Chloride	Notes
NJDEP Criteria:	-	ug/l	ug/l	ug/l	ug/l	ug/l	-
06/12/2000	FMETL	ND	1.09	0.388	-	0.083	-
08/24/2000	FMETL	1.28	1.07	3.67	ND		
11/20/2000	FMETL	ND	ND	3.60	ND		-
03/08/2001	FMETL	ND	ND	2.56	ND		-
05/16/2001	FMETL	ND	ND	2.77	ND		-
09/25/2001	FMETL	ND	ND	ND	ND		-
11/14/2001	FMETL	ND	ND	ND	ND		-
02/11/2002	FMETL	ND	ND	1.55	ND		V
06/18/2002	FMETL	ND	ND	1.99	ND		V,P
09/18/2002	FMETL	ND	ND	ND	ND		V,P
11/04/2002	FMETL	ND	ND	ND	ND	ND	V,P
03/13/2003	FMETL	0.73	0.60	2.78	ND	ND	V,P
05/21/2003	FMETL	1.50	ND	2.58	ND	ND	V,P
09/17/2003	FMETL	1.14	ND	1.14	ND	ND	V,P

Fort Monmouth

GW Monitoring
Streams

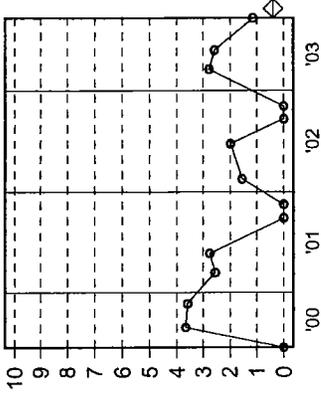
Source 23 of 23



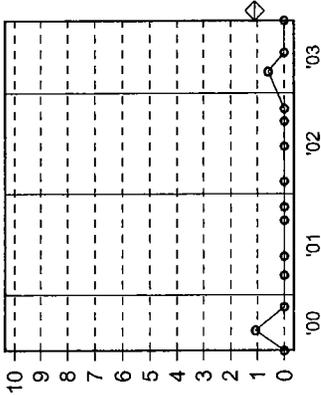
SOURCE: 28

Sampling Dates:
06/12/2000 - 09/17/2003

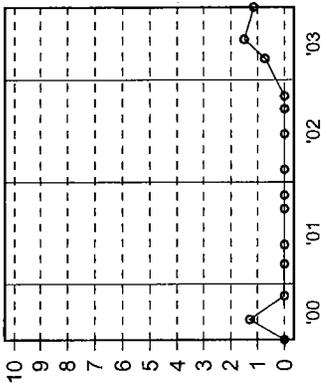
Tetrachloroethene
(ug/l)



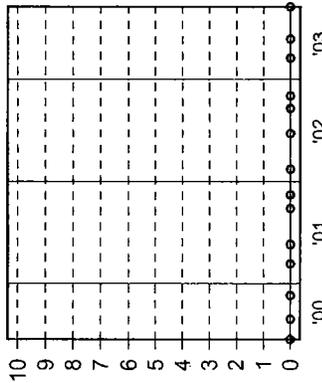
Trichloroethene
(ug/l)



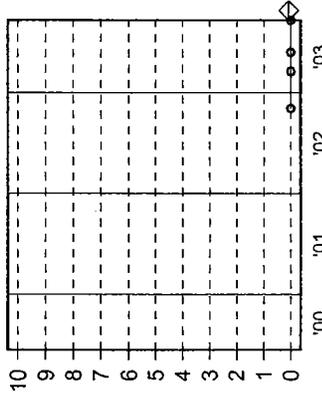
cis-1,2-Dichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



LEGEND:

PARAMETER

o = Date
Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 23 of 23, Graph



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV