FINAL

Remedial Action Progress Report

M-2 Landfill Site

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

Directorate of Public Works

August 19, 2005

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M-2 Landfill Site
Remedial Action Progress Report

Chemical Treatment, Enzyme-Enhanced Bioremediation &
Monitored Natural Attenuation
(4th Quarter 2002 through 3rd Quarter 2003)

Fort Monmouth, Main Post
Fort Monmouth, New Jersey

August 19, 2005

REMEDIAL ACTION PROGRESS REPORT
FOR THE M-2 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

PREPARED FOR:

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EXECUTIVE SUMMARY

An Enzyme-Enhanced Bioremediation (EEB) program, supplemented by Oxygen Release Compound® (ORC®), was implemented to remediate benzene and chlorobenzene identified in shallow groundwater at the M-2 Landfill site, Main Post, Fort Monmouth, New Jersey in 2001. Remedial activities were conducted in accordance with the M-2 Landfill Site Remedial Investigation Report (RIR)/Remedial Action Workplan (RAWP), prepared by VERSAR, Inc. (Versar), dated January 2001 and approved by the New Jersey Department of Environmental Protection (NJDEP) in October 2002. The ORC® program targeted six distinct areas in and around the M-2 Landfill site where elevated concentrations of benzene and chlorobenzene were detected in the shallow groundwater. This Remedial Action Progress Report (RAPR) documents groundwater quality conditions over time and evaluates the impact of the remedial actions undertaken from September 2002 through September 2003.

A decreasing trend of COCs in groundwater was observed at the site throughout four quarters of groundwater sampling. This trend supports the contention that COC degradation is occurring at the M-2 Landfill site, presumably due to the effectiveness of the ORC® to support the biodegradation processes.

Based on the decreasing trend of COCs in groundwater during this reporting period, the ORC® subsurface injection program will continue. Remedial action progress will be monitored and reported to the NJDEP periodically.

1.0 INTRODUCTION

Versar was contracted by the United States Army Garrison, Fort Monmouth, Directorate of Public Works (DPW), Fort Monmouth, New Jersey, to prepare a RAPR to document the activities performed for the remediation of benzene and chlorobenzene in shallow groundwater at the M-2 Landfill site located at the Main Post Area of Fort Monmouth. The ORC® program implemented to remediate these contaminants was conducted in accordance with the M-2 Landfill Site RIR/RAWP (**Appendix A**), prepared by Versar, dated January 2001 and approved by the NJDEP in October 2002. This report documents the implementation 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-2 Landfill site during the reporting period of 4th Quarter 2002 through the 3rd Quarter 2003. The purpose of the remedial action was to accelerate the natural attenuation of benzene and chlorobenzene through the use of ORC®, thereby reducing the concentration of these contaminants in the affected areas 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:

- Application of ORC® to six distinct areas at the M-2 Landfill site where COC impacts were observed and documented in the groundwater;
- 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);
- Identification and discussion of recommendations for the continuation of this remedial action; and
- Documentation of 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-2 Landfill site. **Section 3.0** describes and summarizes the remedial activities conducted at the M-2 Landfill site. **Section 4.0** discusses groundwater flow, groundwater sampling and surface water sampling at the M-2 Landfill site. **Section 5.0** presents chemical results for groundwater and surface water

sampling. **Section 6.0** discusses the progress of the remedial action and provides recommendations for the M-2 Landfill site.

2.0 SITE BACKGROUND

The following sections describe the site background of the M-2 Landfill site. Included is a description of the site location, site history and background investigations.

2.1 Site Location and Description

The M-2 Landfill site, comprised of 6.5 acres, is located on the south bank of Mill Creek in the southwestern corner of the Main Post Area. According to a report prepared by the U.S. Army Toxic and Hazardous Materials Agency (USATHAMA) entitled, *Installation Assessment of Fort Monmouth, Report 171,* dated May 1980, the M-2 Landfill was in use between 1964 and 1968 (and possibly into 1969) for general disposal of domestic and industrial wastes. The M-2 Landfill has reportedly been inactive since 1969. Since the landfill closure circa 1969, the past 30+ years have seen the growth and stabilization of vegetation (e.g., grass, trees, brush) on the M-2 Landfill site. A site location map is provided in **Figure 2-1** and a site map is provided in **Figure 2-2.**

2.2 Site History and Background Investigations

Suspected hazardous waste sites were initially identified at Fort Monmouth in an Installation Assessment (IA) prepared by the USATHAMA. The assessment identified 37 sites with known or suspected waste materials at the Main Post, Charles Wood and Evans areas. Roy F. Weston, Inc. (Weston) was contracted to perform a background investigation of the 37 sites, as well as eight additional sites that were identified by Fort Monmouth and the NJDEP. Weston's report (Weston, 1993) recommended further investigation of 22 of the previously identified sites, including the M-2 Landfill site. The field investigation, conducted between November 1994 and November 1995, included surface and subsurface soil sampling, groundwater monitoring well installation and sampling and tidal monitoring. The results of these investigation activities were presented in the Weston Report entitled, *Final Site Investigation, Fort Monmouth, New Jersey, Main Post and Charles Wood Areas, Site Investigation Report,* December 1995 (**Appendix B**).

2.2.1 Site Investigation Report - Weston

The site investigation activities performed by Weston in 1994 at the M-2 Landfill site in support of the Site Investigation (SI) included sampling of two surface water locations, installation and sampling of three monitoring wells (MW-1, MW-2 and MW-3), and tidal monitoring. Weston installed additional wells (MW-4 through MW-10) in 1998. Two rounds of groundwater samples and one round of surface water samples (collected from SW-1 and SW-2) were collected and analyzed for Target Compound List (TCL) plus 30 parameters, which include volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), Target Analyte List (TAL) metals and cyanide.

In addition, during performance of the SI, a total of ten groundwater and soil background samples and two sediment and surface water samples were taken on the Main Post Area. Maximum background concentrations were then established and reported in the SI for soil, groundwater, surface water and sediment at the Main Post Area at Fort Monmouth for use in evaluating the analytical results from the SI (Weston, 1995). (NOTE: References in this Report to maximum background concentrations refer to the Fort Monmouth - Main Post Maximum Background Concentrations presented in the SI Report, Weston, 1995).

Groundwater quality data for the 24 monitoring wells indicated that concentrations of chlorobenzene were detected exceeding the NJDEP GWQC. There were no detections of SVOCs, pesticides or cyanide above laboratory detection limits. Twenty metals were detected in site groundwater; however, only five (aluminum, arsenic, iron, manganese and lead) were found at concentrations exceeding the NJDEP GWQC. However, the five metals were found at concentrations below maximum background concentrations and are therefore not identified as COCs.

Surface water quality data for the three stream sampling sites indicated that two VOCs, tetrachloroethene (PCE), and trichloroethene (TCE), were detected at concentrations greater than the NJDEP freshwater criteria and maximum background concentrations at SW-1 and SW-2. The SVOC bis(2-ethylhexyl) phthalate was detected in one sample but was discounted due to laboratory contamination. Pesticides and PCBs were not detected in the surface water samples. Of the 13 metals detected in the surface water samples, lead was the only metal found at a concentration greater than the NJDEP freshwater criteria and greater than the maximum background concentration. PCE, TCE and lead were not identified as COCs.

An enhanced site investigation, requested by the NJDEP, identified benzene and PCBs in the groundwater at the M-2 Landfill site. This resulted in the performance of a remedial investigation (RI) encompassing soil and groundwater characterization to determine the extent of the PCBs and benzene impacts at the M-2 Landfill site.

The Weston SI Report (1995) presented a DPW proposal for the M-2 Landfill site that was subsequently implemented. A long-term surface water and groundwater monitoring program was developed utilizing the existing monitoring wells and surface water sampling locations to document and monitor downgradient surface water and groundwater quality over time.

2.2.2 Remedial Investigation Report/Remedial Action Workplan - Versar

Based on the results and findings of the Weston SI and the established remedial investigation approach, a complete RI was initiated during February 1999. Remedial investigation activities were managed by the DPW and implemented by TECOM-Vinnell Services (TVS) and Versar. 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-2

Landfill site, and to prepare a RAWP (**Appendix A**) to address the need for remediation of these media, if necessary.

The following RI approach was established:

- Perform a Geoprobe® investigation of the soils and groundwater within the landfill to characterize the near-surface and subsurface soils, landfill cover materials, and shallow groundwater to determine whether a source area exists for benzene and chlorobenzene observed in the groundwater stream.

- Install additional groundwater monitoring wells both within and below the landfilled materials and perform slug and pump tests to determine the aquifer characteristics of the shallow saturated zone beneath the M-2 Landfill site. Incorporate the new wells into the quarterly groundwater monitoring program.

- Continue quarterly surface water sampling. In addition, collect sediment samples at selected locations and surface water samples to evaluate potential impact to the stream from COC detected in the soils and shallow groundwater of the landfill and to evaluate potential upstream sources of COCs.

The RI involved the drilling and sampling of 258 Geoprobe® locations for soil and groundwater, installing 14 new shallow groundwater monitoring wells (MW-11, MW-12, MW-13, MW-14, MW-15, MW-16, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22, MW-23, MW-24). The results of the investigation indicated that PCBs were detected above the minimum detection limit (MDL) in 51 of the soil borings and at concentrations that exceeded the Residential Direct Contact Soil Cleanup Criteria (RDCSCC) of 0.49 mg/kg in 82 samples at 40 boring locations. In most cases, if a detection for PCBs was reported in a soil boring, the next sample depth interval was either non-detect (ND), or below the RDCSCC, and representative of isolated detections by depth. PCBs were detected in groundwater samples collected from 14 boring locations. The groundwater samples collected from eight of the 14 boring locations also exceeded the NJDEP GWQC for PCBs of 0.50 ug/L.

Ten VOCs were detected in the soil samples including: methylene chloride, carbon disulfide, chlorobenzene, benzene, ethyl-benzene, total xylenes, 2-butanone, toluene, acetone and chloroform. While there were detections of these ten VOCs in the shallow subsurface soils, no VOCs, and specifically chlorobenzene and benzene, exceeded the respective RDCSCC. A total of 20 VOCs were detected in groundwater samples including: methylene chloride, carbon disulfide, chlorobenzene, benzene, ethyl-benzene, total xylenes, toluene, acetone, chloroform, 1,4-dichlorobenzene (DCB), 1,2-DCB, 1,3-DCB, PCE, TCE, vinyl chloride, trans-1,2-dichloroethane (DCE), 2-butanone, tert-butyl alcohol, and methyl-tert-butyl ether. There were a number of relatively minor detections of VOCs in groundwater samples collected from the boring locations. Detections for chlorobenzene, benzene, TCE, PCE, vinyl chloride and cis-1,2-DCE exceeded their respective GWQC. Based on the groundwater sampling results, benzene and

chlorobenzene are present in the shallow groundwater beneath the M-2 Landfill site at concentrations that exceed their respective GWQC and are considered to be COCs.

To characterize near surface soils (0-2 feet) at the M-2 Landfill site, the DPW installed borings and obtained soil samples between November 1998 and June 1999 at 196 locations. Although exceedences of NJDEP RDCSCC are identified in the near surface soils for SVOCs, pesticides, PCBs and metals within the landfill, evaluation of the analytical results did not define a "source area" or a level of contamination that necessitated the identification and evaluation of potential remedial actions. No further action is warranted for the near surface soils.

A total of 24 groundwater monitoring wells, ten installed by Weston (1994-1998) and 14 installed by Versar (2000), are incorporated in the monitoring program at the M-2 Landfill site. The wells were installed to characterize shallow groundwater. In summarizing the Quarterly Monitoring Program, VOCs were detected in 16 of the monitoring wells. Benzene and chlorobenzene were the only VOCs that exceeded the GWQC and are identified as COCs. Although benzene and chlorobenzene concentrations were expected to naturally attenuate to acceptable levels, the DPW chose to accelerate the remediation by implementing an enzyme-enhanced bioremediation along with a chemical treatment. The DPW proposed to actively remediate the affected areas at the M-2 Landfill site by targeting six specific locations and applying an EEB, supplemented by ORC®. A groundwater sampling program is in effect to monitor the progress and effectiveness of the remediation program and to monitor the COC concentrations in the groundwater.

2.2.3 Remedial Investigation Report - Versar

Versar performed an RI for the M-2 Landfill site that 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 near-surface soils, which cover the M-2 Landfill site, the DPW installed soil borings and obtained soil samples between November 1998 and June 1999 at 196 locations. The evaluation of near-surface soils of the M-2 Landfill site is detailed in a separate RIR entitled, *Remedial Investigation Report for Near-Surface Soils M-2 Landfill*, Draft Report, July 2000 (Versar, 2000). All soil samples were analyzed for VOCs, SVOCs, pesticides, PCBs and metals. The data for samples that exceeded the laboratory MDL and/or the respective NJDEP RDCSCC were evaluated to determine compliance with their respective NJDEP RDCSCC (Versar, 2000).

2.2.4 Remedial Action Progress Report – Versar

After the second EEB/ORC® injection period and ten rounds of groundwater monitoring well sampling (2nd Quarter 2000 through 3rd Quarter 2002) an RAPR was prepared by Versar (April 2004). The RAPR documented the groundwater quality conditions over time and evaluated the impact of the EEB/ORC® injection program.

The injection of EEB was performed in two stages in March and May of 2001. The ORC® injection was performed in September/November 2001. Injection events were completed with the prior approval of the NJDEP under the provisions of a Permit-by-Rule agreement.

Decreasing trends in the concentrations of benzene and chlorobenzene were observed during the reporting period (2nd Quarter 2000 through 3rd Quarter 2002). This trend supports the contention that COC degradation is occurring at the M-2 Landfill site, presumably due to the effectiveness of the EEB/ORC® injection program that supports the biodegradation processes.

Based on the decreasing trend of COCs following the EEB amd ORC® injections, the EEB/ORC® subsurface injection program was continued.

3.0 REMEDIAL ACTIVITIES

In the RIR/RAWP for the M-2 Landfill site (Versar, 2001), sampling results indicated that the shallow groundwater contained benzene and chlorobenzene concentrations in excess of the NJDEP GWQC. Although the COC concentrations in groundwater are expected to gradually decrease through natural attenuation, the DPW implemented an ORC® program to actively address the groundwater contamination at the M-2 Landfill site. This bioremediation involved treatment of six areas where elevated concentrations of COCs were detected.

3.1 Oxygen Release Compound®

Dilute hydrogen, magnesium and/or calcium peroxide, also knows as ORC®, was used to remediate COCs at the M-2 Landfill site. The ORC® degrades to water or hydroxides, therein releasing free oxygen to the system. Indigenous microbes and organisms utilize the additional oxygen in the soil/groundwater to break down organic molecules (contaminants) into smaller, simpler, non-toxic substances, such as water and fatty acids.

The six treatment areas designated for the application of ORC® are illustrated in **Figure 3-1**. Approximately eight boring locations within each of the six delineated areas, where concentrations of benzene and/or chlorobenzene were detected above their respective NJDEP GWQC, were selected for application of the biological enhancements.

The application of ORC® was performed from January through May 2003 using a Geoprobe® rig to install an array of nine temporary injection points around each of the eight selected boring locations. The injection points were established on 5-foot centers for a total of 432 injection locations. Injection of the ORC® was continuous from 4 feet to 8 feet below ground surface (bgs).

3.2 Discharge to Groundwater Permit

The purpose of the NJPDES Discharge to Groundwater (DGW) permit is to request formal approval of the EEB and ORC® subsurface injection program at the M-2 Landfill site as described in the RAWP prepared by Versar (**Appendix A**). The third injection of ORC® (January-May 2003) was completed with the prior approval of the NJDEP under the provisions of a Permit-by-Rule agreement.

As described in the Versar RAWP, the ORC® injections will not result in the discharge of any hazardous compounds. A Material Safety Data Sheet (MSDS) for the ORC® is presented in **Appendix C**.

4.0 MONITORING AND SAMPLING ACTIVITIES

As part of the implementation of the approved RIR/RAWP, which consists of ORC® injection and evaluation and a Long Term Monitoring (LTM) program, quarterly groundwater and surface water sampling was performed by DPW's base operations contractor, 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-2 Landfill site were conducted by 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-2 Landfill site (four quarterly rounds from 4th Quarter 2002 through 3rd Quarter 2003), groundwater was encountered in 24 monitoring wells at the M-2 Landfill site at depths ranging from 4.56 to 11.43 feet bgs with a gradient toward the northwest. A groundwater elevation summary is provided in **Table 4-1.**

Four groundwater elevation contour maps were generated based on groundwater depth measurements collected from 24 monitoring wells (M2-MW01, M2-MW02, M2-MW03, M2-MW04, M2-MW05, M2-MW06, M2-MW07, M2-MW08, M2-MW09, M2-MW10, M2-MW11, M2-MW12, M2-MW13, M2-MW14, M2-MW15, M2-MW16, M2-MW17, M2-MW18, M2-MW19, M2-MW20, M2-MW21, M2-MW22, M2-MW23 and M2-MW24) at the M-2 Landfill site to determine if groundwater flow conditions have changed since the onset of remedial actions regarding groundwater contamination at the M-2 Landfill site. 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-2 Landfill site consistently flows to the northwest towards Mill Creek at elevations ranging from 3.77 feet to 16.48 feet above mean sea level (amsl) with site gradients ranging from 0.0102 feet per foot on June 3, 2003 to 0.0195 feet per foot on March 26, 2003. No significant variations in groundwater flow conditions were observed in the four groundwater contour maps (**Figure 4-1** through **Figure 4-4)**.

4.2 Groundwater Sampling

Quarterly groundwater sampling was performed by the DPW at the M-2 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 24 monitoring wells (M2-MW01, M2-MW02, M2-MW03, M2-MW04, M2-MW05, M2-MW06, M2-MW07, M2-MW08, M2-MW09, M2-MW10, M2-MW11, M2-MW12, M2-MW13, M2-MW14, M2-MW15, M2-MW16, M2-MW17, M2-MW18, M2-MW19, M2-MW20, M2-MW21, M2-MW22, M2-MW23 and M2-MW24) during four quarterly sampling events.

A total of 96 groundwater samples were collected using protocols as described in the *NJDEP Field Sampling Procedures Manual* (1992). The samples were analyzed for VOCs plus 15 tentatively identified compounds (TICs), SVOCs plus 15 TICs, pesticides, 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 sample collection, 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 laboratory analyses and laboratory data sheets and a summary of the groundwater sampling activities, including sampling rounds, well IDs, sample IDs, sample locations, collection/analysis date, analytical parameters and analysis method, are provided in **Appendix D**. **Figure 2-2** shows the locations of the monitoring wells at the M-2 Landfill site. A summary of the groundwater sampling activities, including rounds, sample IDs, groundwater sampling locations, collection/analysis date, analytical parameters and analysis method is provided in **Table 4-2**. The results of these analyses are discussed in **Section 5.1**.

4.3 Surface Water Sampling

Quarterly surface water sampling was performed by the DPW at or near the M-2 Landfill site from 4th Quarter 2002 through 3rd Quarter 2003, as part of the ongoing surface water monitoring and sampling program approved by the NJDEP. Surface water samples were collected from three distinct surface water sample collection points (SS-13, SS-15 and SS-16) during four quarterly sampling events.

A total of 12 surface water samples were collected using protocols as described in the *NJDEP Field Sampling Procedures Manual* (1992). The samples were analyzed for VOCs plus 15 tentatively identified compounds (TICs), pesticides and PCBs.

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 for laboratory analyses and laboratory data sheets and a summary of the surface water sampling activities, including sampling rounds, sample IDs, surface water sampling locations, collection/analysis date, analytical parameters and analysis method, are provided in **Appendix E**. **Figure 2-2** shows the locations of the surface water sampling sites associated with the M-2 Landfill site. A summary of the surface water sampling activities, including rounds, sample IDs, surface water sampling locations, collection/analysis date, analytical parameters and analysis

method is provided in **Table 4-3**. The results of these analyses are discussed in **Section 5.2**.

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 quarterly rounds of surface water samples. Sample analyses were performed by the FMETL.

5.1 Groundwater Sampling Results

A total of 96 quarterly groundwater samples were collected to evaluate the effectiveness of the ORC® injection and LTM program with respect to benzene and chlorobenzene contamination at the M-2 Landfill site. A groundwater sampling summary is provided in **Table 4-2**, and the laboratory analytical results for each individual monitoring well are summarized in **Table 5-1** through **Table 5-24**. This section presents a summary of the laboratory results performed for four rounds of groundwater samples collected from 4th Quarter 2002 through 3rd Quarter 2003. Groundwater samples were collected from 24 monitoring wells 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 in **Table 5-1** through **Table 5-24**. The laboratory chain-of-custody forms and laboratory data sheets for groundwater samples are provided in **Appendix D**. Historical groundwater sampling results are presented in Table 3 through Table 17 in the Versar RAWP in **Appendix A**. **Figure 5-1** shows the groundwater contaminant distribution of the current data for benzene and chlorobenzene within the area of the M-2 Landfill site.

During four quarterly sampling events conducted from 4th Quarter 2002 through 3rd Quarter 2003, a total of 12 VOCs were detected in site groundwater. Two VOCs were detected at concentrations that exceed their respective GWQC in at least one sample, while the remaining ten VOCs were detected below their respective GWQC. Twenty SVOCs were detected in site groundwater at concentrationw below their respective GWQC. A total of nine pesticides and PCBs were detected in site groundwater. One pesticide was detected at a concentration that exceeds its GWQC in at least one sample, while the remaining eight pesticides and PCBs were detected below their respective GWQC. A total of 23 metals were detected in site groundwater. Six metals were detected at concentrations that exceed their respective GWQC in at least one sample, while the remaining 17 metals were detected below their respective GWQC. A groundwater exceedence summary is provided in **Table 5-25**.

The following sections present the analytes detected above the GWQC found in groundwater at the M-2 Landfill site.

5.1.1 Contaminants of Concern

Based on the Versar RIR/RAWP (2001), benzene and chlorobenzene are considered to be the only COCs at the M-2 Landfill site. **Figure 5-2** through **Figure 5-14** present the trend of benzene and chlorobenzene concentrations detected in groundwater monitoring wells M2-MW02, M2-MW03, M2-MW04, M2-MW06, M2-MW08, M2-MW09, M2-MW11, M2-MW-14, M2-MW18, M2-MW21, M2-MW22, M2-MW23 and M2-MW24 over time. These COCs were not detected in the remaining monitoring wells. The following paragraphs present the results of the COCs that exceeded the GWQC in groundwater at the M-2 Landfill site. **Section 6.0** presents the discussion of the benzene and chlorobenzene trends occurring in relation to the progress of the ORC® remediation program at the M-2 Landfill site.

Benzene was detected at concentrations above the GWQC of 1.0 ug/L in all four separate rounds of sampling collected from eight separate monitoring well locations. Concentrations ranged from 1.09 ug/L in M2-MW21 (sampling round #12) to 116.55 ug/L in M2-MW11 (sampling round #13).

Chlorobenzene was detected at concentrations exceeding the GWQC of 50 ug/L in one separate round of sampling collected at one monitoring well location (M2-MW03) at a concentration of 93.42 ug/L (sampling round #13).

5.1.2 Remaining Analyte Exceedances

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 additional 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

During the four quarterly sampling events conducted from 4th Quarter 2002 through 3rd Quarter 2003, one pesticide was detected in site groundwater at concentrations that exceeded its GWQC in at least one sample.

4,4'-DDD was detected at concentrations above the GWQC of 0.1 ug/L in two separate rounds of sampling collected from one separate monitoring well location (M2-MW21). Concentrations ranged from 0.14 ug/L (sampling round #12) to 0.17 ug/L (sampling round #13).

5.1.2.4 Metals

During the four quarterly sampling events conducted from 4th Quarter 2002 through 3rd Quarter 2003, a total of six metals were detected in site groundwater at concentrations that exceeded their respective GWQC in at least one sample.

Aluminum was detected at concentrations exceeding the GWQC of 200 ug/L in all four sampling rounds at 14 separate monitoring well locations. Concentrations ranged from 216 ug/L in M2-MW01 (sampling round #12) to 1,800 ug/L in M2-MW05 (sampling round #14).

Arsenic was detected at concentrations exceeding the GWQC of 8.0 ug/L during three separate rounds of sampling collected at four separate monitoring well locations. Concentrations ranged from 8.04 ug/L in M2-MW13 (sampling round #12) to 246 ug/L in M2-MW15 (sampling round #13).

Cadmium was detected at concentrations exceeding the GWQC of 4.0 ug/L during three separate rounds of sampling collected at three separate monitoring well locations. Concentrations ranged from 4.12 ug/L in M2-MW16 (sampling rounds #13) to 7.92 ug/L in M2-MW09 (sampling round #13).

Iron was detected at concentrations exceeding the GWQC of 300 ug/L during all four rounds of sampling collected at all 24 separate monitoring well locations. Concentrations ranged from 308 ug/L in M2-MW11 (sampling round #12) to 123,000 ug/L in M2-MW09 (sampling round #13).

Lead was detected at concentrations exceeding the GWQC of 10 ug/L during two separate rounds of sampling collected at two separate monitoring well locations. Concentrations ranged from 10.8 ug/L in M2-MW16 (sampling round #14) to 46.3 ug/L in M2-MW16 (sampling round #13).

Manganese was detected at concentrations exceeding the GWQC of 50 ug/L during all four separate rounds of sampling collected at 18 separate monitoring well locations. Concentrations ranged from 51.4 ug/L in M2-MW02 (sampling round #13) to 2,450 ug/L in M2-MW09 (sampling round #13).

5.2 Surface Water Sampling Results

Quarterly surface water samples were collected by the DPW to determine if benzene and chlorobenzene identified in groundwater has impacted the surface water quality at the M-2 Landfill site. A surface water sampling summary is provided in **Table 4-3**, and the laboratory analytical results for each individual surface water sampling site are summarized in **Table 5-26** through **Table 5-28**. 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 (rounds #29 through #32). A total of 12 surface water

samples were collected from three distinct surface water sample collection points (SS-13, SS-15, and SS-16), which are in proximity to the M-2 Landfill site. The surface water samples were collected and analyzed for VOCs plus 15 TICs, pesticides and PCBs.

Surface water sampling results were compared to the NJDEP SWQC. Historical surface water stream sampling results, conducted between October 1996 and June 2000, are presented in Table 6 of the Versar RAWP in **Appendix A**. **Figure 5-1** shows the surface water contaminant distribution of the current data for benzene and chlorobenzene within the area of the M-2 Landfill site.

During four quarterly sampling events conducted from 4th Quarter 2002 through 3rd Quarter 2003, 12 VOCs were detected 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 12 method blanks for VOCs, nine method blanks for SVOCs, six method blanks for pesticides and PCBs, eight method blanks for TAL metals, 11 trip blanks, 11 field blanks, and 11 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-2 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 11 method blanks for VOCs, 13 method blanks for SVOCs, 11 method blanks for pesticides and PCBs and 11 method blanks for TAL metals were analyzed with the M-2 Landfill site samples.

No VOCs, including the COCs benzene and chlorobenzene, were detected in any of the method blank samples. No SVOCs, pesticides or PCBs were detected in any of the method blank samples.

Several metals were detected in at least one method blank sample, including aluminum, antimony, barium, calcium, chromium, copper, iron, lead, magnesium, manganese, potassium, selenium, sodium, and zinc. Only Aluminum was detected at a concentration above its respective GWQC; the remaining metals were detected at concentrations below their respective GWQC. 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-2 Landfill site, so the impact to the project results is minimal.

Trip Blanks

Trip blanks were included as part of the M-2 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 the 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 along with the groundwater samples. A total of 11 trip blanks were analyzed along with the M-2 Landfill site samples.

One VOC was detected in at least one trip blank. Chloroform was detected in nine of the 11 trip blanks, none of the detections exceeding the NJDEP criteria. The detections of chloroform indicate that sample handling procedures, including sample glassware, may have introduced contamination into the sampling and analysis process. However, the primary contaminants of concern, benzene and chlorobenzene, were not detected in any of the trip blanks.

Field Blanks

At least one field blank sample was obtained during each day's sampling activities to document the equipment decontamination procedures. A total of 11 field samples (e.g., field blanks) were collected during the M-2 Landfill site sampling events. The field blanks were collected by rinsing deionized water, which was 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-2 Landfill site groundwater samples.

The results of the field blank analyses showed that one VOC was detected in at least one field blank. Chloroform was detected in nine of the 11 field blanks, none of the detections exceeding the NJDEP criteria. As noted for the trip blanks, the detection of chloroform indicates that sample handling procedures, including sample glassware, may have introduced contamination into the sampling and analysis process. In addition, chloroform was also found in the trip blanks, suggesting that sampling and decontamination procedures did not introduce additional contamination. The primary contaminants of concern, benzene and chlorobenzene, were 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, antimony, barium, cadmium, calcium, chromium, copper, iron, lead, magnesium, manganese, nickel, potassium, selenium, silver, sodium, vanadium, and zinc. Most of the metals were detected in only a few samples at very low concentrations. However, iron was detected in one field blank at a concentration exceeding the NJDEP criteria. Because all of these metals were also detected in some of 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

Field duplicate samples were also collected during the M-2 Landfill site sampling events to verify the consistency of the entire sampling and analytical procedure. A total of 11

duplicate samples were collected during the M-2 Landfill site sampling events. The results for all of the duplicate samples were close to those obtained for the original samples. No VOCs, SVOCs, pesticides or PCBs were detected in the duplicate samples.

The relative percent differences (RPDs) for the duplicate sample metals analyses ranged from 0.0% to 195.89%, however, the average RPD for all of the metals results is 23.14%. This indicates an overall high level of precision. The apparent metals contamination noted in the method and field blanks may have had an impact on 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 the ORC® treatment program. A general decreasing trend of benzene and chlorobenzene concentrations (**Figure 5-2** through **Figure 5-14**) was observed in groundwater monitoring wells M2-MW02, M2-MW03, M2-MW04, M2-MW06, M2-MW08, M2-MW09, M2-MW11, M2-MW14, M2-MW18, M2-MW21 and M2-MW23 during this period of groundwater sampling (December 2002 through August 2003).

6.1 Progress

Figure 5-2 through **Figure 5-14** illustrate the trend in concentrations of the COCs over time at wells where benzene and chlorobenzene have been detected above and below their respective GWQC. These graphs reveal a general decreasing trend in the concentrations of the COCs and therefore support the effectiveness of the remediation program. Most of these figures show spikes in COC concentrations in March and June 2003; these spikes may have been due to the increased levels of precipitation in the region during this reporting period (**Appendix F**), higher COC concentrations in upgradient groundwater and/or low hydraulic conductivities, therefore resulting in slow groundwater flow, as shown in Section 3.2.5 of **Appendix A**.

Based on the general decreasing trend of benzene and chlorobenzene concentrations and surface water sampling results for the M-2 Landfill site, the ORC® subsurface injection program appears to be effective in the remediation of benzene and chlorobenzene contamination at this site.

6.2 Costs

The estimated costs for the annual implementation of the remedial actions performed at the M-2 Landfill site are provided below:

Estimated Costs of Remedial Actions Performed at the M-5 Landfill	
TASK	**ESTIMATED COSTS**
1. ORC® Injection	$ 47,932.00
2. Total Labor Cost	$ 25,000.00
3. Laboratory Cost	$ 19,800.00
TOTAL ESTIMATED COSTS	$ 92,732.00

6.3 Discharge to Groundwater Permit

A NJPDES DGW permit application was submitted in November 2001 to obtain approval for continuation of the ORC® injection program at the M-2 Landfill site. ORC® injections were conducted from January through May 2003, as an extension of the NJDEP Permit-by-Rule approval. Subsequent injections will be performed under NJDEP regulatory requirements.

6.4 Recommendations

The ORC® treatment program for the remediation of benzene at the M-2 Landfill site will continue using the same methodology as during the first treatment, described in the RAWP prepared by Versar (**Appendix A**). A maximum of two treatments per year will follow. There are no recommendations for changes to the M-2 Landfill site remediation program at this time. The effectiveness of the ORC® 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 table below provides a summary of the proposed changes to the current quarterly groundwater and surface water sampling program at the M-2 Landfill site. Alterations involving laboratory analyses and the elimination of certain wells from the program are based on the distribution of the COCs over time. Groundwater and surface water sampling will continue at wells and surface water sampling locations in which the concentrations of the COCs are found to exceed the NJDEP GWQC and SWQC, and wells that are downgradient of the contaminated sources. Groundwater and surface water sampling will be discontinued at wells and surface water sampling locations that are found to have no COC exceedences and are upgradient of contaminated sources.
Proposed changes will be implemented unless directed otherwise by the NJDEP.

Monitoring Well	Analyzed for	Future Sampling Status	Reason
M2-MW01	VOCs, SVOCs, pesticides, PCBs, Metals	Eliminate	Upgradient of Contamination Source
M2-MW02	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	Exceedences of benzene
M2-MW03	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	Exceedences of benzene and chlorobenzene
M2-MW04	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	Downgradient of Contamination Source
M2-MW05	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	Downgradient of Contamination Source
M2-MW06	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	Downgradient of Contamination Source
M2-MW07	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	Downgradient of Contamination Source

Monitoring Well	Analyzed for	Future Sampling Status	Reason
M2-MW08	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	Exceedence of benzene
M2-MW09	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	Exceedence of benzene
M2-MW10	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	Downgradient of Contamination Source
M2-MW11	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	Exceedence of benzene
M2-MW12	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	Downgradient of Contamination Source
M2-MW13	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	Downgradient of Contamination Source
M2-MW14	VOCs, SVOCs, pesticides, PCBs, Metals	Eliminate	Upgradient of Contamination Source
M2-MW15	VOCs, SVOCs, pesticides, PCBs, Metals	Eliminate	Upgradient of Contamination Source
M2-MW16	VOCs, SVOCs, pesticides, PCBs, Metals	Eliminate	Upgradient of Contamination Source
M2-MW17	VOCs, SVOCs, pesticides, PCBs, Metals	Eliminate	Upgradient of Contamination Source
M2-MW18	VOCs, SVOCs, pesticides, PCBs, Metals	Eliminate	No Exceedences of COC, Upgradient of Contamination Source
M2-MW19	VOCs, SVOCs, pesticides, PCBs, Metals	Eliminate	Upgradient of Contamination Source
M2-MW20	VOCs, SVOCs, pesticides, PCBs, Metals	Eliminate	Upgradient of Contamination Source
M2-MW21	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	Exceedences of benzene
M2-MW22	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	Downgradient of Contamination Source
M2-MW23	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	Exceedences of benzene
M2-MW24	VOCs, SVOCs, pesticides, PCBs, Metals	Continue VOCs Quarterly	Exceedences of benzene

Stream Site	Analyzed for	Future Sampling Status	Reason
SS #13	VOCs, pesticides, PCBs	Continue Quarterly	No COC detections in four rounds, but is downgradient of exceeding wells
SS #15	VOCs, pesticides, PCBs	Continue Quarterly	No COC detections in four rounds, but is downgradient of exceeding wells
SS #16	VOCs, pesticides, PCBs	Eliminate	No COC detections in four rounds.

7.0 REFERENCES

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

USATHAMA (U.S. Army Toxic and Hazardous Materials Agency), 1980. *Installation Assessment of Fort Monmouth.* Report 171. May 1980.

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

Versar Inc. (VERSAR), January, 2001, *Remedial Action Workplan for the M-2 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-2 Landfill Site
Fort Monmouth, New Jersey

Groundwater Sampling Round:		#11			#12		
Well ID	Elev. of Inner Casing Survey Mark	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.
M2-MW01	21.04	12/30/02	4.67	16.37	03/26/03	4.56	16.48
M2-MW02	15.50	12/30/02	9.86	5.64	03/26/03	9.20	6.30
M2-MW03	12.63	12/30/02	7.23	5.40	03/26/03	7.09	5.54
M2-MW04	14.53	12/30/02	8.57	5.96	03/26/03	8.47	6.06
M2-MW05	10.70	12/30/02	5.92	4.78	03/26/03	6.10	4.60
M2-MW06	12.93	12/30/02	7.84	5.09	03/26/03	6.38	6.55
M2-MW07	11.37	12/30/02	6.63	4.74	03/26/03	6.77	4.60
M2-MW08	11.71	12/30/02	6.25	5.46	03/26/03	5.43	6.28
M2-MW09	14.09	12/30/02	10.32	3.77	03/26/03	6.27	7.82
M2-MW10	12.08	12/30/02	7.63	4.45	03/26/03	7.45	4.63
M2-MW11	13.83	12/30/02	8.62	5.21	03/26/03	8.77	5.06
M2-MW12	14.37	12/30/02	8.37	6.00	03/26/03	8.48	5.89
M2-MW13	16.08	12/30/02	9.53	6.55	03/26/03	9.77	6.31
M2-MW14	19.19	12/30/02	9.83	9.36	03/26/03	9.92	9.27
M2-MW15	19.70	12/30/02	9.31	10.39	03/26/03	9.54	10.16
M2-MW16	18.17	12/30/02	7.01	11.16	03/26/03	6.65	11.52
M2-MW17	20.12	12/30/02	8.39	11.73	03/26/03	6.37	13.75
M2-MW18	11.67	12/30/02	7.87	3.80	03/26/03	6.16	5.51
M2-MW19	16.66	12/30/02	7.81	8.85	03/26/03	7.93	8.73
M2-MW20	16.84	12/30/02	10.42	6.42	03/26/03	10.63	6.21
M2-MW21	16.59	12/30/02	9.01	7.58	03/26/03	9.67	6.92
M2-MW22	12.71	12/30/02	7.83	4.88	03/26/03	7.95	4.76
M2-MW23	15.86	12/30/02	9.93	5.93	03/26/03	9.98	5.88
M2-MW24	16.78	12/30/02	8.30	8.48	03/26/03	8.33	8.45

Notes:
1) Elev.: Elevation in feet
above mean sea level.
2) Depth to water: depth in feet
from the inner casing survey mark.
3) Elevation data obtained from DPW via email on 3/3/03.

Table 4-1
Groundwater Elevation Summary
M-2 Landfill Site
Fort Monmouth, New Jersey

Groundwater Sampling Round:		#13			#14		
Well ID	Elev. of Inner Casing Survey Mark	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.
M2-MW01	21.04	06/06/03	4.60	16.44	09/10/03	7.47	13.57
M2-MW02	15.50	06/06/03	9.26	6.24	09/10/03	10.38	5.12
M2-MW03	12.63	06/06/03	6.80	5.83	09/10/03	8.11	4.52
M2-MW04	14.53	06/06/03	8.19	6.34	09/10/03	7.97	6.56
M2-MW05	10.70	06/06/03	5.63	5.07	09/10/03	6.54	4.16
M2-MW06	12.93	06/06/03	7.60	5.33	09/10/03	6.31	6.62
M2-MW07	11.37	06/06/03	6.27	5.10	09/10/03	7.31	4.06
M2-MW08	11.71	06/06/03	6.05	5.66	09/10/03	7.13	4.58
M2-MW09	14.09	06/06/03	7.53	6.56	09/10/03	7.67	6.42
M2-MW10	12.08	06/06/03	7.07	5.01	09/10/03	7.56	4.52
M2-MW11	13.83	06/06/03	8.36	5.47	09/10/03	9.38	4.45
M2-MW12	14.37	06/06/03	8.20	6.17	09/10/03	9.27	5.10
M2-MW13	16.08	06/06/03	9.46	6.62	09/10/03	10.2	5.88
M2-MW14	19.19	06/06/03	9.59	9.60	09/10/03	11.05	8.14
M2-MW15	19.70	06/06/03	9.43	10.27	09/10/03	10.13	9.57
M2-MW16	18.17	06/06/03	6.41	11.76	09/10/03	8.24	9.93
M2-MW17	20.12	06/06/03	5.77	14.35	09/10/03	11	9.12
M2-MW18	11.67	06/06/03	5.73	5.94	09/10/03	6.66	5.01
M2-MW19	16.66	06/06/03	11.27	5.39	09/10/03	9.01	7.65
M2-MW20	16.84	06/06/03	10.97	5.87	09/10/03	11.43	5.41
M2-MW21	16.59	06/06/03	9.38	7.21	09/10/03	10.75	5.84
M2-MW22	12.71	06/06/03	7.42	5.29	09/10/03	7.84	4.87
M2-MW23	15.86	06/06/03	9.71	6.15	09/10/03	10.97	4.89
M2-MW24	16.78	06/06/03	8.05	8.73	09/10/03	9.26	7.52

Notes:
1) Elev.: Elevation in feet above mean sea level.
2) Depth to water: depth in feet from the inner casing survey mark.
3) Elevation data obtained from DPW via email on 3

Minimum Depth to Water	Minimum Ground-water Elev.	Maximum Depth to Water	Maximum Ground-water Elev.	Average Ground-water Elev.
4.56	3.77	11.43	16.48	7.03

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

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#11						
	M2MW05	2088704	12/16/2002	Aqueous	Metals; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 8270; Method 601/
	M2MW07	2088705	12/16/2002	Aqueous	Metals; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 8270; Method 601/
	M2MW08	2088706	12/16/2002	Aqueous	Metals; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 8270; Method 601/
	M2MW10	2088707	12/16/2002	Aqueous	Metals; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 8270; Method 601/
	M2MW11	2090204	12/27/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW12	2090205	12/27/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW19	2090206	12/27/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW20	2090207	12/27/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW03	2090208	12/27/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW13	2090209	12/27/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW14	2090210	12/27/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW23	2090211	12/27/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW06	2090301	12/27/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW09	2090302	12/27/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW22	2090404	12/30/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW02	2090405	12/30/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW18	2090406	12/30/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW17	2090407	12/30/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW21	2090408	12/30/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW24	2090409	12/30/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW16	2090410	12/30/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW04	2090411	12/30/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW15	2090412	12/30/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW01	2090413	12/30/2002	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
#12						
	M2MW06	3012801	3/20/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW09	3012802	3/20/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW05	3013504	3/25/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW02	3013505	3/25/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW22	3013506	3/25/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW18	3013507	3/25/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW17	3013508	3/25/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW20	3013509	3/25/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW07	3013510	3/25/2003	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-2
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
	M2MW21	3013511	3/25/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW24	3013512	3/25/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW19	3013513	3/25/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW16	3013514	3/25/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW08	3013515	3/25/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW04	3013516	3/25/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW15	3013517	3/25/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW10	3013518	3/25/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW01	3013704	3/26/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW14	3013705	3/26/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW13	3013706	3/26/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW12	3013707	3/26/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW03	3013708	3/26/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW23	3013709	3/26/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW11	3013710	3/26/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
#13						
	M2MW10	3027304	6/6/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW03	3027305	6/6/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW14	3027306	6/6/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW13	3027307	6/6/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW23	3027308	6/6/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW01	3027309	6/6/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW08	3027310	6/6/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW04	3027311	6/6/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW16	3027312	6/6/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW24	3027313	6/6/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW21	3027314	6/6/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW15	3027315	6/6/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW02	3027404	6/9/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW22	3027405	6/9/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW18	3027406	6/9/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW17	3027407	6/9/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW05	3027408	6/9/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW07	3027409	6/9/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW20	3027410	6/9/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW19	3027411	6/9/2003	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-2
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
	M2MW09	3027412	6/9/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW11	3027413	6/9/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW12	3027414	6/9/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW06	3027415	6/9/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
#14						
	M2MW09	3057701	9/8/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW06	3057702	9/8/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW16	3058104	9/9/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW24	3058105	9/9/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW21	3058106	9/9/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW17	3058204	9/10/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW18	3058205	9/10/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW22	3058206	9/10/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW02	3058207	9/10/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW05	3058208	9/10/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW07	3058209	9/10/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW08	3058210	9/10/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW04	3058211	9/10/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW15	3058404	9/11/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW14	3058405	9/11/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW13	3058406	9/11/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW23	3058407	9/11/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW03	3058408	9/11/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW10	3058409	9/11/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW01	3058504	9/15/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW11	3058505	9/15/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW12	3058506	9/15/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW19	3058507	9/15/2003	Aqueous	Metals; Pest/PCBs; SVOCs; VOCs	Methods 3112B and 3120B, SW 846 - 3115B and 3120; Method 608; Method 8270;
	M2MW20	3058508	9/15/2003	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-2
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#29						
	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
	SS-13	2078713	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-15	3013404	3/24/2003	Aqueous	Pest/PCBs; VOCs	Method 608; Method 601/602, Method 624, Method 8260, Method 8260A
	SS-13	3013411	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-13	3024713	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
#32						
	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
	SS-13	3059226	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-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW01	M2MW01	M2MW01	M2MW01
Date Collected			12/30/2002	3/26/2003	6/6/2003	9/15/2003
ANALYTE / Lab ID	Criterion	Units	2090413	3013704	3027309	3058504
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND
Chlorobenzene	50 *	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Methylnaphthalene	100 *	ug/l	ND	ND	ND	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	ND	ND	ND	ND
4,4'-DDE	.1	ug/l	ND	0.007	0.003	ND
4,4'-DDT	.1	ug/l	ND	ND	ND	ND
alpha-BHC	.02	ug/l	ND	ND	ND	ND
delta-BHC	100 *	ug/l	ND	ND	ND	ND
Dieldrin	.03	ug/l	ND	ND	ND	ND
gamma-Chlordane	.5	ug/l	ND	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	286	216	539	486
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	2.51	ND	ND	ND
Barium	2000	ug/l	62	53.7	58.8	86.3
Beryllium	20	ug/l	ND	0.128	0.211	0.347
Cadmium	4	ug/l	1.4	1.02	1.19	1.38
Calcium	NLE	ug/l	9030	7630	6610	8610

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-1
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW01	M2MW01	M2MW01	M2MW01
Date Collected			12/30/2002	3/26/2003	6/6/2003	9/15/2003
ANALYTE / Lab ID			2090413	3013704	3027309	3058504
Metals						
Chromium	100	ug/l	1.38	ND	4.48	3.6
Cobalt	100 *	ug/l	1.72	0.824	0.796	2.28
Copper	1000	ug/l	3.97	2.37	2.47	1.97
Iron	300	ug/l	143	187	1240	1300
Lead	10	ug/l	ND	2.12	ND	ND
Magnesium	NLE	ug/l	1510	1130	1020	1950
Manganese	50	ug/l	63.5	35.5	35.8	55
Mercury	2	ug/l	ND	ND	ND	ND
Nickel	100	ug/l	6.3	3.98	4.11	9.58
Potassium	NLE	ug/l	3810	2730	3450	5610
Selenium	50	ug/l	ND	ND	4.96	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	3820	3210	2540	1330
Thallium	10	ug/l	ND	ND	ND	ND
Vanadium	NLE	ug/l	ND	0.571	2.63	1.62
Zinc	5000	ug/l	655	429	508	890

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW02	M2MW02	M2MW02	M2MW02
Date Collected			12/30/2002	3/25/2003	6/9/2003	9/10/2003
ANALYTE / Lab ID	Criterion	Units	2090405	3013505	3027404	3058207
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	1.16	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	3.72	1.91	3.23
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	4.71	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	ND	1.74	ND	ND
Chlorobenzene	50 *	ug/l	9.64	40.14	19.65	27.89
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	2.55	1.59	2.88
2-Methylnaphthalene	100 *	ug/l	ND	ND	ND	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	1.38	2.91	3.17	3.46
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	ND	ND	ND	ND
4,4'-DDE	.1	ug/l	ND	ND	ND	ND
4,4'-DDT	.1	ug/l	ND	ND	ND	ND
alpha-BHC	.02	ug/l	ND	ND	ND	ND
delta-BHC	100 *	ug/l	ND	ND	ND	ND
Dieldrin	.03	ug/l	ND	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	0.12
gamma-Chlordane	.5	ug/l	ND	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	ND	59.6	ND	67.3
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	4.25	ND	ND	ND
Barium	2000	ug/l	203	239	74.3	362
Beryllium	20	ug/l	ND	0.0342	ND	ND
Cadmium	4	ug/l	ND	0.467	0.776	1.9

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW02	M2MW02	M2MW02	M2MW02
Date Collected			12/30/2002	3/25/2003	6/9/2003	9/10/2003
ANALYTE / Lab ID	Criterion	Units	2090405	3013505	3027404	3058207
Metals						
Calcium	NLE	ug/l	64500	81600	13500	77500
Chromium	100	ug/l	0.711	1.53	ND	1.2
Cobalt	100 *	ug/l	0.627	ND	ND	ND
Copper	1000	ug/l	2.95	ND	ND	ND
Iron	300	ug/l	25300	29900	9600	45200
Lead	10	ug/l	ND	1.08	ND	ND
Magnesium	NLE	ug/l	6470	12200	1740	13000
Manganese	50	ug/l	178	403	51.4	310
Mercury	2	ug/l	ND	ND	ND	ND
Nickel	100	ug/l	ND	5.54	ND	ND
Potassium	NLE	ug/l	7240	10300	1290	8580
Selenium	50	ug/l	ND	ND	ND	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	8060	6580	1830	9760
Thallium	10	ug/l	ND	ND	2.18	ND
Vanadium	NLE	ug/l	ND	0.839	0.616	1.67
Zinc	5000	ug/l	ND	9.04	4.04	6.73

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-3
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW03	M2MW03	M2MW03	M2MW03
Date Collected			12/27/2002	3/26/2003	6/6/2003	9/11/2003
ANALYTE / Lab ID	Criterion	Units	2090208	3013708	3027305	3058408
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	1.39	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	1.11	ND
1,4-Dichlorobenzene	75	ug/l	1.25	1.23	3.72	ND
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	1.62	1.73	4.45	ND
Chlorobenzene	50 *	ug/l	31.69	36.38	93.42	9.85
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	1.31	2.05	2.58	ND
2-Methylnaphthalene	100 *	ug/l	ND	ND	ND	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	3.3	6.12	4.53	2.42
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	2.03	2.15	ND
Dibenzofuran	100 *	ug/l	1.05	2.29	1.76	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	1.06	2.18	1.64	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	ND	ND	0.016	ND
4,4'-DDE	.1	ug/l	ND	ND	ND	ND
4,4'-DDT	.1	ug/l	ND	ND	ND	ND
alpha-BHC	.02	ug/l	ND	ND	ND	ND
delta-BHC	100 *	ug/l	ND	ND	ND	ND
Dieldrin	.03	ug/l	ND	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	ND	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	166	118	178	226
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	ND	ND	2.43	ND
Barium	2000	ug/l	120	193	322	93.6
Beryllium	20	ug/l	ND	ND	ND	0.022
Cadmium	4	ug/l	ND	1.29	2	0.61

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-3
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW03	M2MW03	M2MW03	M2MW03
Date Collected			12/27/2002	3/26/2003	6/6/2003	9/11/2003
ANALYTE / Lab ID	Criterion	Units	2090208	3013708	3027305	3058408
Metals						
Calcium	NLE	ug/l	61700	90300	154000	65700
Chromium	100	ug/l	1.52	1.73	2.07	ND
Cobalt	100 *	ug/l	ND	ND	ND	ND
Copper	1000	ug/l	ND	4.78	10.3	ND
Iron	300	ug/l	9930	12800	46500	13400
Lead	10	ug/l	1.25	1.99	4.2	ND
Magnesium	NLE	ug/l	8440	12500	20600	6780
Manganese	50	ug/l	146	237	479	250
Mercury	2	ug/l	ND	ND	ND	ND
Nickel	100	ug/l	5.15	3.2	4.62	ND
Potassium	NLE	ug/l	7950	9900	16400	8270
Selenium	50	ug/l	4.71	9.91	ND	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	8260	12700	22900	10100
Thallium	10	ug/l	ND	ND	2.53	ND
Vanadium	NLE	ug/l	2.83	1.58	3.99	0.455
Zinc	5000	ug/l	23.6	56	82.4	5.83

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW04	M2MW04	M2MW04	M2MW04
Date Collected			12/30/2002	3/25/2003	6/6/2003	9/10/2003
ANALYTE / Lab ID	Criterion	Units	2090411	3013516	3027311	3058211
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND
Chlorobenzene	50 *	ug/l	ND	4.44	1.95	ND
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Methylnaphthalene	100 *	ug/l	ND	ND	ND	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	ND	ND	0.005	ND
4,4'-DDE	.1	ug/l	ND	ND	0.008	ND
4,4'-DDT	.1	ug/l	ND	ND	ND	ND
alpha-BHC	.02	ug/l	ND	ND	ND	ND
delta-BHC	100 *	ug/l	ND	ND	ND	ND
Dieldrin	.03	ug/l	ND	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	ND	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	ND	32.8	120	140
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	2.96	ND	4.04	ND
Barium	2000	ug/l	166	157	162	233
Beryllium	20	ug/l	ND	0.077	0.0545	0.087
Cadmium	4	ug/l	ND	ND	1.18	1.88

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW04	M2MW04	M2MW04	M2MW04
Date Collected			12/30/2002	3/25/2003	6/6/2003	9/10/2003
ANALYTE / Lab ID	Criterion	Units	2090411	3013516	3027311	3058211
Metals						
Calcium	NLE	ug/l	28100	45900	31300	29200
Chromium	100	ug/l	ND	1.54	2.67	1.76
Cobalt	100 *	ug/l	ND	ND	ND	ND
Copper	1000	ug/l	ND	ND	3.65	54.5
Iron	300	ug/l	28000	32300	30800	41600
Lead	10	ug/l	ND	ND	ND	ND
Magnesium	NLE	ug/l	3240	8720	4020	3730
Manganese	50	ug/l	235	707	437	296
Mercury	2	ug/l	ND	ND	0.18	ND
Nickel	100	ug/l	ND	ND	ND	ND
Potassium	NLE	ug/l	6300	6620	6520	9510
Selenium	50	ug/l	ND	ND	ND	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	7260	9100	8100	9190
Thallium	10	ug/l	ND	ND	ND	ND
Vanadium	NLE	ug/l	ND	0.551	1.91	1.48
Zinc	5000	ug/l	7.25	8.21	18.7	54.7

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW05	M2MW05	M2MW05	M2MW05
Date Collected			12/16/2002	3/25/2003	6/9/2003	9/10/2003
ANALYTE / Lab ID	Criterion	Units	2088704	3013504	3027408	3058208
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND
Chlorobenzene	50 *	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Methylnaphthalene	100 *	ug/l	ND	ND	ND	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	NA	ND	ND	ND
4,4'-DDE	.1	ug/l	NA	ND	ND	ND
4,4'-DDT	.1	ug/l	NA	ND	ND	ND
alpha-BHC	.02	ug/l	NA	ND	ND	ND
delta-BHC	100 *	ug/l	NA	ND	ND	ND
Dieldrin	.03	ug/l	NA	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	NA	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	NA	ND	ND	ND
Metals						
Aluminum	200	ug/l	80.8	ND	313	1800
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	3.5	ND	4.62	13.1
Barium	2000	ug/l	908	51	367	830
Beryllium	20	ug/l	ND	ND	0.106	0.39
Cadmium	4	ug/l	0.629	ND	2.41	4.44

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW05	M2MW05	M2MW05	M2MW05
Date Collected			12/16/2002	3/25/2003	6/9/2003	9/10/2003
ANALYTE / Lab ID	Criterion	Units	2088704	3013504	3027408	3058208
Metals						
Calcium	NLE	ug/l	20000	14400	15800	18700
Chromium	100	ug/l	0.898	ND	4.06	18.8
Cobalt	100 *	ug/l	ND	ND	ND	ND
Copper	1000	ug/l	2.73	0.976	ND	ND
Iron	300	ug/l	24300	5340	66600	108000
Lead	10	ug/l	ND	ND	ND	5.69
Magnesium	NLE	ug/l	2620	2400	2520	3440
Manganese	50	ug/l	46.7	26.4	36.7	44.8
Mercury	2	ug/l	ND	ND	ND	ND
Nickel	100	ug/l	ND	ND	ND	1.95
Potassium	NLE	ug/l	6430	4290	4940	7250
Selenium	50	ug/l	ND	ND	ND	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	5020	3900	5310	5640
Thallium	10	ug/l	ND	ND	ND	ND
Vanadium	NLE	ug/l	ND	0.319	2.27	8.84
Zinc	5000	ug/l	17.3	4.1	8.48	23

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW06	M2MW06	M2MW06	M2MW06
Date Collected			12/27/2002	3/20/2003	6/9/2003	9/8/2003
ANALYTE / Lab ID	Criterion	Units	2090301	3012801	3027415	3057702
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND
Chlorobenzene	50 *	ug/l	ND	2.57	4.44	ND
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	1.03	ND
2-Methylnaphthalene	100 *	ug/l	ND	ND	ND	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	ND	ND	ND	ND
4,4'-DDE	.1	ug/l	ND	ND	ND	ND
4,4'-DDT	.1	ug/l	ND	ND	ND	ND
alpha-BHC	.02	ug/l	ND	ND	ND	ND
delta-BHC	100 *	ug/l	ND	ND	ND	ND
Dieldrin	.03	ug/l	ND	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	ND	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	113	32.1	125	1280
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	ND	ND	3.45	9.4
Barium	2000	ug/l	120	147	202	107
Beryllium	20	ug/l	ND	0.077	0.0445	0.215
Cadmium	4	ug/l	ND	0.713	1.41	1.39

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW06	M2MW06	M2MW06	M2MW06
Date Collected			12/27/2002	3/20/2003	6/9/2003	9/8/2003
ANALYTE / Lab ID	Criterion	Units	2090301	3012801	3027415	3057702
Metals						
Calcium	NLE	ug/l	46200	56600	68100	45100
Chromium	100	ug/l	ND	ND	2.29	16.4
Cobalt	100 *	ug/l	ND	ND	ND	ND
Copper	1000	ug/l	10.7	ND	6.17	13.3
Iron	300	ug/l	9280	22700	31800	20600
Lead	10	ug/l	3.11	ND	1.92	11.7
Magnesium	NLE	ug/l	4660	6600	7500	5780
Manganese	50	ug/l	56.6	297	336	57.3
Mercury	2	ug/l	ND	ND	ND	ND
Nickel	100	ug/l	2.65	ND	ND	6.24
Potassium	NLE	ug/l	6470	5210	5990	7190
Selenium	50	ug/l	ND	ND	ND	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	6510	7930	8780	7150
Thallium	10	ug/l	ND	ND	ND	ND
Vanadium	NLE	ug/l	0.816	0.283	2	6.7
Zinc	5000	ug/l	28.2	6.81	30.7	77.8

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW07	M2MW07	M2MW07	M2MW07
Date Collected			12/16/2002	3/25/2003	6/9/2003	9/10/2003
ANALYTE / Lab ID	Criterion	Units	2088705	3013510	3027409	3058209
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND
Chlorobenzene	50 *	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Methylnaphthalene	100 *	ug/l	ND	ND	ND	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	NA	0.005	ND	ND
4,4'-DDE	.1	ug/l	NA	0.002	ND	ND
4,4'-DDT	.1	ug/l	NA	ND	ND	ND
alpha-BHC	.02	ug/l	NA	ND	ND	ND
delta-BHC	100 *	ug/l	NA	ND	ND	ND
Dieldrin	.03	ug/l	NA	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	NA	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	NA	ND	ND	ND
Metals						
Aluminum	200	ug/l	ND	27.8	714	1580
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	ND	ND	ND	ND
Barium	2000	ug/l	247	111	262	86.7
Beryllium	20	ug/l	ND	0.0737	0.204	0.351
Cadmium	4	ug/l	ND	ND	1.89	1.1

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW07	M2MW07	M2MW07	M2MW07
Date Collected			12/16/2002	3/25/2003	6/9/2003	9/10/2003
ANALYTE / Lab ID	Criterion	Units	2088705	3013510	3027409	3058209
Metals						
Calcium	NLE	ug/l	54400	47800	49100	47500
Chromium	100	ug/l	ND	ND	8.78	17
Cobalt	100 *	ug/l	ND	ND	ND	0.975
Copper	1000	ug/l	ND	ND	ND	1.37
Iron	300	ug/l	15200	22900	44600	15500
Lead	10	ug/l	1.41	ND	2.57	2.92
Magnesium	NLE	ug/l	5810	5040	5970	5740
Manganese	50	ug/l	66.5	53.3	75.5	56.4
Mercury	2	ug/l	0.13	ND	ND	ND
Nickel	100	ug/l	ND	ND	1.23	3.36
Potassium	NLE	ug/l	5240	4080	4960	5380
Selenium	50	ug/l	ND	ND	ND	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	8230	6550	8340	7820
Thallium	10	ug/l	ND	ND	ND	ND
Vanadium	NLE	ug/l	ND	0.366	4.35	7.74
Zinc	5000	ug/l	9.03	16.4	27.3	31.5

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW08	M2MW08	M2MW08	M2MW08
Date Collected			12/16/2002	3/25/2003	6/6/2003	9/10/2003
ANALYTE / Lab ID	Criterion	Units	2088706	3013515	3027310	3058210
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	1.41	ND	2.2	ND
Chlorobenzene	50 *	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Methylnaphthalene	100 *	ug/l	ND	ND	ND	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	NA	ND	ND	ND
4,4'-DDE	.1	ug/l	NA	ND	ND	ND
4,4'-DDT	.1	ug/l	NA	ND	ND	ND
alpha-BHC	.02	ug/l	NA	ND	ND	ND
delta-BHC	100 *	ug/l	NA	ND	ND	ND
Dieldrin	.03	ug/l	NA	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	NA	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	NA	ND	ND	ND
Metals						
Aluminum	200	ug/l	ND	48.4	370	299
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	ND	ND	ND	ND
Barium	2000	ug/l	108	45.4	113	114
Beryllium	20	ug/l	ND	0.0767	0.0766	0.073
Cadmium	4	ug/l	ND	ND	1.39	1.29

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW08	M2MW08	M2MW08	M2MW08
Date Collected			12/16/2002	3/25/2003	6/6/2003	9/10/2003
ANALYTE / Lab ID			2088706	3013515	3027310	3058210
Metals						
Calcium	NLE	ug/l	35600	34300	39700	40600
Chromium	100	ug/l	ND	ND	4.78	2.74
Cobalt	100 *	ug/l	ND	ND	ND	ND
Copper	1000	ug/l	ND	0.663	ND	ND
Iron	300	ug/l	15100	3250	34200	31500
Lead	10	ug/l	1.15	ND	0.834	0.942
Magnesium	NLE	ug/l	4420	4530	5100	5180
Manganese	50	ug/l	47.1	36.6	44.5	42
Mercury	2	ug/l	ND	ND	ND	ND
Nickel	100	ug/l	ND	ND	ND	ND
Potassium	NLE	ug/l	6070	5860	6970	6890
Selenium	50	ug/l	ND	ND	ND	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	6970	8120	8070	7910
Thallium	10	ug/l	ND	ND	ND	ND
Vanadium	NLE	ug/l	ND	0.283	2	1.25
Zinc	5000	ug/l	14	13.3	9.39	6.91

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW09	M2MW09	M2MW09	M2MW09
Date Collected			12/27/2002	3/20/2003	6/9/2003	9/8/2003
ANALYTE / Lab ID	Criterion	Units	2090302	3012802	3027412	3057701
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	2.35	ND	ND	ND
Chlorobenzene	50 *	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Methylnaphthalene	100 *	ug/l	ND	ND	ND	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	ND	ND	ND	ND
4,4'-DDE	.1	ug/l	ND	ND	ND	ND
4,4'-DDT	.1	ug/l	ND	ND	ND	ND
alpha-BHC	.02	ug/l	ND	ND	ND	ND
delta-BHC	100 *	ug/l	ND	ND	ND	ND
Dieldrin	.03	ug/l	ND	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	ND	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	117	487	883	848
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	ND	ND	3.07	ND
Barium	2000	ug/l	88.4	114	1020	241
Beryllium	20	ug/l	ND	0.336	0.833	0.226
Cadmium	4	ug/l	0.852	0.813	7.92	3.35

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW09	M2MW09	M2MW09	M2MW09
Date Collected			12/27/2002	3/20/2003	6/9/2003	9/8/2003
ANALYTE / Lab ID	Criterion	Units	2090302	3012802	3027412	3057701
Metals						
Calcium	NLE	ug/l	53200	53800	62800	52900
Chromium	100	ug/l	7.55	2.65	8.67	9.98
Cobalt	100 *	ug/l	1.27	ND	ND	ND
Copper	1000	ug/l	10.4	0.967	26.3	4.05
Iron	300	ug/l	5960	10400	123000	33800
Lead	10	ug/l	ND	3.21	5.85	3.6
Magnesium	NLE	ug/l	4490	4700	5200	5090
Manganese	50	ug/l	1170	870	2450	1430
Mercury	2	ug/l	ND	ND	0.18	ND
Nickel	100	ug/l	ND	1.29	4.13	1.55
Potassium	NLE	ug/l	6050	5460	6400	7060
Selenium	50	ug/l	ND	5.81	ND	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	6380	6870	4530	7320
Thallium	10	ug/l	ND	ND	ND	ND
Vanadium	NLE	ug/l	ND	3.01	8.76	5.09
Zinc	5000	ug/l	297	134	662	166

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-10
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW10	M2MW10	M2MW10	M2MW10
Date Collected			12/16/2002	3/25/2003	6/6/2003	9/11/2003
ANALYTE / Lab ID	Criterion	Units	2088707	3013518	3027304	3058409
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND
Chlorobenzene	50 *	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Methylnaphthalene	100 *	ug/l	ND	ND	ND	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	NA	ND	ND	ND
4,4'-DDE	.1	ug/l	NA	ND	0.01	ND
4,4'-DDT	.1	ug/l	NA	ND	ND	ND
alpha-BHC	.02	ug/l	NA	ND	ND	ND
delta-BHC	100 *	ug/l	NA	ND	ND	ND
Dieldrin	.03	ug/l	NA	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	NA	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	NA	ND	ND	ND
Metals						
Aluminum	200	ug/l	652	60.4	1260	1050
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	ND	ND	ND	2.85
Barium	2000	ug/l	445	53.6	95.2	39.6
Beryllium	20	ug/l	ND	0.07	0.237	0.299
Cadmium	4	ug/l	ND	ND	0.582	ND

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-10
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW10	M2MW10	M2MW10	M2MW10
Date Collected			12/16/2002	3/25/2003	6/6/2003	9/11/2003
ANALYTE / Lab ID	Criterion	Units	2088707	3013518	3027304	3058409
Metals						
Calcium	NLE	ug/l	49700	45100	43100	42300
Chromium	100	ug/l	5.73	1.71	16.6	11.1
Cobalt	100 *	ug/l	0.565	1.88	ND	ND
Copper	1000	ug/l	ND	0.946	0.83	0.315
Iron	300	ug/l	24400	1350	10900	6090
Lead	10	ug/l	1.61	ND	ND	ND
Magnesium	NLE	ug/l	3310	3380	3460	3380
Manganese	50	ug/l	74.2	33	43	41.4
Mercury	2	ug/l	ND	ND	ND	ND
Nickel	100	ug/l	ND	ND	0.975	1.04
Potassium	NLE	ug/l	5520	4970	5920	5650
Selenium	50	ug/l	ND	7.16	ND	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	6640	8200	7490	7280
Thallium	10	ug/l	ND	ND	ND	2.6
Vanadium	NLE	ug/l	6.46	0.651	7.91	6.54
Zinc	5000	ug/l	39	23.6	15.6	15.7

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW11	M2MW11	M2MW11	M2MW11
Date Collected			12/27/2002	3/26/2003	6/9/2003	9/15/2003
ANALYTE / Lab ID	Criterion	Units	2090204	3013710	3027413	3058505
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	116.55	ND
Chlorobenzene	50 *	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	163.7
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Methylnaphthalene	100 *	ug/l	ND	ND	ND	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	ND	ND	ND	ND
4,4'-DDE	.1	ug/l	ND	ND	ND	ND
4,4'-DDT	.1	ug/l	ND	ND	ND	ND
alpha-BHC	.02	ug/l	ND	ND	ND	ND
delta-BHC	100 *	ug/l	ND	ND	ND	ND
Dieldrin	.03	ug/l	ND	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	ND	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	ND	99.2	ND	27
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	ND	ND	ND	2.81
Barium	2000	ug/l	26.4	29.6	31.3	28.1
Beryllium	20	ug/l	ND	ND	0.0387	ND
Cadmium	4	ug/l	ND	ND	ND	ND

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW11	M2MW11	M2MW11	M2MW11
Date Collected			12/27/2002	3/26/2003	6/9/2003	9/15/2003
ANALYTE / Lab ID	Criterion	Units	2090204	3013710	3027413	3058505
Metals						
Calcium	NLE	ug/l	33500	35500	38900	32500
Chromium	100	ug/l	0.962	ND	ND	ND
Cobalt	100 *	ug/l	ND	ND	ND	ND
Copper	1000	ug/l	ND	2.12	4.1	0.913
Iron	300	ug/l	65.6	308	219	217
Lead	10	ug/l	4.74	4.51	ND	ND
Magnesium	NLE	ug/l	3620	3770	3930	3560
Manganese	50	ug/l	ND	14	20.7	6.13
Mercury	2	ug/l	ND	ND	ND	ND
Nickel	100	ug/l	ND	ND	ND	ND
Potassium	NLE	ug/l	5080	5050	5280	5260
Selenium	50	ug/l	ND	5.7	5.86	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	3120	2870	3840	3570
Thallium	10	ug/l	ND	ND	ND	ND
Vanadium	NLE	ug/l	ND	0.329	ND	ND
Zinc	5000	ug/l	ND	47.3	ND	4.3

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-12
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW12	M2MW12	M2MW12	M2MW12
Date Collected			12/27/2002	3/26/2003	6/9/2003	9/15/2003
ANALYTE / Lab ID	Criterion	Units	2090205	3013707	3027414	3058506
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND
Chlorobenzene	50 *	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Methylnaphthalene	100 *	ug/l	ND	ND	ND	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	ND	ND	ND	ND
4,4'-DDE	.1	ug/l	ND	ND	ND	ND
4,4'-DDT	.1	ug/l	ND	ND	ND	ND
alpha-BHC	.02	ug/l	ND	ND	ND	ND
delta-BHC	100 *	ug/l	ND	ND	ND	ND
Dieldrin	.03	ug/l	ND	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	ND	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	ND	110	ND	ND
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	ND	ND	ND	ND
Barium	2000	ug/l	29	31.8	32.8	30.8
Beryllium	20	ug/l	ND	ND	0.0324	ND
Cadmium	4	ug/l	ND	0.7	ND	ND

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-12
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW12	M2MW12	M2MW12	M2MW12
Date Collected			12/27/2002	3/26/2003	6/9/2003	9/15/2003
ANALYTE / Lab ID	Criterion	Units	2090205	3013707	3027414	3058506
Metals						
Calcium	NLE	ug/l	34800	35200	38500	33600
Chromium	100	ug/l	0.601	2	ND	ND
Cobalt	100 *	ug/l	ND	ND	ND	ND
Copper	1000	ug/l	ND	3	6.83	12.7
Iron	300	ug/l	218	676	ND	222
Lead	10	ug/l	ND	2	ND	ND
Magnesium	NLE	ug/l	3800	3980	4000	3730
Manganese	50	ug/l	3.66	20.1	19.6	8.59
Mercury	2	ug/l	ND	ND	ND	ND
Nickel	100	ug/l	ND	ND	ND	ND
Potassium	NLE	ug/l	5480	5400	5360	5360
Selenium	50	ug/l	ND	ND	ND	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	3470	2790	4290	3670
Thallium	10	ug/l	ND	ND	ND	ND
Vanadium	NLE	ug/l	ND	0.4	0.237	ND
Zinc	5000	ug/l	ND	17	1.65	4.05

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW13	M2MW13	M2MW13	M2MW13
Date Collected			12/27/2002	3/26/2003	6/6/2003	9/11/2003
ANALYTE / Lab ID	Criterion	Units	2090209	3013706	3027307	3058406
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND
Chlorobenzene	50 *	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Methylnaphthalene	100 *	ug/l	ND	ND	ND	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	ND	ND	ND	ND
4,4'-DDE	.1	ug/l	ND	ND	ND	ND
4,4'-DDT	.1	ug/l	ND	ND	ND	ND
alpha-BHC	.02	ug/l	ND	ND	ND	ND
delta-BHC	100 *	ug/l	ND	ND	ND	ND
Dieldrin	.03	ug/l	ND	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	ND	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	34.8	185	ND	224
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	ND	8.04	2.96	ND
Barium	2000	ug/l	243	804	275	171
Beryllium	20	ug/l	ND	0.113	0.0478	0.04
Cadmium	4	ug/l	0.739	1.28	1.74	0.933

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW13	M2MW13	M2MW13	M2MW13
Date Collected			12/27/2002	3/26/2003	6/6/2003	9/11/2003
ANALYTE / Lab ID	Criterion	Units	2090209	3013706	3027307	3058406
Metals						
Calcium	NLE	ug/l	26700	26700	24800	26300
Chromium	100	ug/l	ND	1.56	ND	ND
Cobalt	100 *	ug/l	ND	ND	ND	ND
Copper	1000	ug/l	ND	ND	ND	ND
Iron	300	ug/l	28100	77100	46800	23700
Lead	10	ug/l	1.71	1.74	ND	ND
Magnesium	NLE	ug/l	2760	2640	2400	2930
Manganese	50	ug/l	111	134	109	113
Mercury	2	ug/l	ND	ND	ND	ND
Nickel	100	ug/l	ND	ND	ND	ND
Potassium	NLE	ug/l	6640	6710	6330	6460
Selenium	50	ug/l	ND	ND	ND	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	11000	10900	10700	12700
Thallium	10	ug/l	ND	ND	ND	ND
Vanadium	NLE	ug/l	ND	0.968	0.492	0.62
Zinc	5000	ug/l	ND	10.5	2.6	2.28

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-14
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW14	M2MW14	M2MW14	M2MW14
Date Collected			12/27/2002	3/26/2003	6/6/2003	9/11/2003
ANALYTE / Lab ID	Criterion	Units	2090210	3013705	3027306	3058405
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND
Chlorobenzene	50 *	ug/l	ND	ND	1.96	ND
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Methylnaphthalene	100 *	ug/l	ND	ND	ND	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	ND	ND	ND	ND
4,4'-DDE	.1	ug/l	ND	0.0027	0.003	ND
4,4'-DDT	.1	ug/l	ND	ND	0.009	ND
alpha-BHC	.02	ug/l	ND	ND	ND	ND
delta-BHC	100 *	ug/l	ND	ND	ND	ND
Dieldrin	.03	ug/l	ND	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	ND	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	128	152	64	312
Antimony	20	ug/l	3.65	ND	ND	ND
Arsenic	8	ug/l	7.85	5.46	4.13	4.94
Barium	2000	ug/l	41.1	33.1	27.8	27.9
Beryllium	20	ug/l	ND	0.051	0.0556	0.091
Cadmium	4	ug/l	1.15	0.912	1.1	1.13

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-14
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW14	M2MW14	M2MW14	M2MW14
Date Collected			12/27/2002	3/26/2003	6/6/2003	9/11/2003
ANALYTE / Lab ID	Criterion	Units	2090210	3013705	3027306	3058405
Metals						
Calcium	NLE	ug/l	15100	12600	11000	9640
Chromium	100	ug/l	4.88	3.34	2.05	3.43
Cobalt	100 *	ug/l	2.52	ND	ND	ND
Copper	1000	ug/l	3.17	0.589	ND	ND
Iron	300	ug/l	24100	36900	25000	27200
Lead	10	ug/l	1.76	2.31	ND	ND
Magnesium	NLE	ug/l	5610	5330	4370	4280
Manganese	50	ug/l	246	247	208	193
Mercury	2	ug/l	ND	ND	ND	ND
Nickel	100	ug/l	2.51	ND	ND	ND
Potassium	NLE	ug/l	1450	1190	987	1420
Selenium	50	ug/l	ND	ND	ND	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	16600	15600	13000	13000
Thallium	10	ug/l	ND	ND	ND	ND
Vanadium	NLE	ug/l	1.97	3.01	1.95	3.36
Zinc	5000	ug/l	6.37	4.49	4.7	ND

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW15	M2MW15	M2MW15	M2MW15
Date Collected			12/30/2002	3/25/2003	6/6/2003	9/11/2003
ANALYTE / Lab ID	Criterion	Units	2090412	3013517	3027315	3058404
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND
Chlorobenzene	50 *	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Methylnaphthalene	100 *	ug/l	ND	ND	1.51	2
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	5.84	ND	6.7	19.37
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Dibenzofuran	100 *	ug/l	5.12	ND	4.9	17.02
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	3.87	ND	4.06	14.5
Naphthalene	300 *	ug/l	1.68	ND	12.46	21.2
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	5.63
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	ND	0.012	0.033	ND
4,4'-DDE	.1	ug/l	ND	ND	0.011	ND
4,4'-DDT	.1	ug/l	ND	ND	ND	ND
alpha-BHC	.02	ug/l	ND	ND	ND	ND
delta-BHC	100 *	ug/l	ND	ND	ND	ND
Dieldrin	.03	ug/l	ND	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	ND	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	133	98.7	258	144
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	6.83	ND	246	3.73
Barium	2000	ug/l	44	35.2	35.2	29.1
Beryllium	20	ug/l	ND	0.399	0.138	0.121
Cadmium	4	ug/l	0.614	ND	1.07	ND

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW15	M2MW15	M2MW15	M2MW15
Date Collected			12/30/2002	3/25/2003	6/6/2003	9/11/2003
ANALYTE / Lab ID			2090412	3013517	3027315	3058404
Metals						
Calcium	NLE	ug/l	68600	17600	36900	24200
Chromium	100	ug/l	1.23	ND	1.6	1.01
Cobalt	100 *	ug/l	2.68	1.96	1.37	0.853
Copper	1000	ug/l	5.91	0.897	2.52	1.57
Iron	300	ug/l	13600	278	5190	6940
Lead	10	ug/l	1.59	ND	ND	ND
Magnesium	NLE	ug/l	9950	5100	5710	3950
Manganese	50	ug/l	170	48.7	85.7	68.5
Mercury	2	ug/l	ND	ND	ND	ND
Nickel	100	ug/l	15.5	5.83	6.01	3.12
Potassium	NLE	ug/l	7020	1490	2020	1220
Selenium	50	ug/l	ND	ND	ND	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	18100	12200	12300	11200
Thallium	10	ug/l	ND	ND	ND	ND
Vanadium	NLE	ug/l	30.1	0.344	5.85	3.79
Zinc	5000	ug/l	151	57	73	20.1

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW16	M2MW16	M2MW16	M2MW16
Date Collected			12/30/2002	3/25/2003	6/6/2003	9/9/2003
ANALYTE / Lab ID	Criterion	Units	2090410	3013514	3027312	3058104
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND
Chlorobenzene	50 *	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Methylnaphthalene	100 *	ug/l	ND	ND	ND	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	1.1
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	ND	0.008	0.02	ND
4,4'-DDE	.1	ug/l	ND	0.004	0.009	ND
4,4'-DDT	.1	ug/l	ND	ND	ND	ND
alpha-BHC	.02	ug/l	ND	ND	ND	ND
delta-BHC	100 *	ug/l	ND	ND	ND	ND
Dieldrin	.03	ug/l	ND	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	ND	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	158	49.7	625	169
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	2.71	ND	ND	3.4
Barium	2000	ug/l	48.5	51.2	73	86.9
Beryllium	20	ug/l	ND	0.0891	0.0554	0.057
Cadmium	4	ug/l	4.5	3.51	4.12	1.73

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW16	M2MW16	M2MW16	M2MW16
Date Collected			12/30/2002	3/25/2003	6/6/2003	9/9/2003
ANALYTE / Lab ID	Criterion	Units	2090410	3013514	3027312	3058104
Metals						
Calcium	NLE	ug/l	35500	25600	26700	18400
Chromium	100	ug/l	0.775	ND	3.6	43.2
Cobalt	100 *	ug/l	3.91	0.958	0.846	2.38
Copper	1000	ug/l	57.3	32.7	105	85.6
Iron	300	ug/l	2520	201	15000	14500
Lead	10	ug/l	5.26	3.31	46.3	10.8
Magnesium	NLE	ug/l	4740	3220	3060	2340
Manganese	50	ug/l	376	141	198	283
Mercury	2	ug/l	0.12	ND	ND	ND
Nickel	100	ug/l	42.1	15	19.5	43
Potassium	NLE	ug/l	2540	2010	2490	1040
Selenium	50	ug/l	ND	7.16	ND	ND
Silver	30 *	ug/l	ND	ND	0.683	ND
Sodium	50000	ug/l	4050	10400	14900	21000
Thallium	10	ug/l	ND	ND	ND	ND
Vanadium	NLE	ug/l	ND	0.224	3.02	0.665
Zinc	5000	ug/l	1210	549	513	356

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW17	M2MW17	M2MW17	M2MW17
Date Collected			12/30/2002	3/25/2003	6/9/2003	9/10/2003
ANALYTE / Lab ID	Criterion	Units	2090407	3013508	3027407	3058204
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND
Chlorobenzene	50 *	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Methylnaphthalene	100 *	ug/l	ND	ND	ND	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	ND	ND	ND	ND
4,4'-DDE	.1	ug/l	ND	0.015	0.009	ND
4,4'-DDT	.1	ug/l	ND	0.009	ND	ND
alpha-BHC	.02	ug/l	ND	ND	ND	ND
delta-BHC	100 *	ug/l	ND	ND	ND	ND
Dieldrin	.03	ug/l	ND	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	ND	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	647	237	173	423
Antimony	20	ug/l	3.3	ND	ND	ND
Arsenic	8	ug/l	3.08	ND	ND	ND
Barium	2000	ug/l	85.3	38.2	58	73.5
Beryllium	20	ug/l	ND	0.123	0.167	0.382
Cadmium	4	ug/l	ND	ND	0.499	0.537

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW17	M2MW17	M2MW17	M2MW17
Date Collected			12/30/2002	3/25/2003	6/9/2003	9/10/2003
ANALYTE / Lab ID	Criterion	Units	2090407	3013508	3027407	3058204
Metals						
Calcium	NLE	ug/l	25200	11800	12800	12700
Chromium	100	ug/l	2.81	1.39	1.59	1.39
Cobalt	100 *	ug/l	2.57	1.03	1.23	2
Copper	1000	ug/l	3.61	3.31	3.33	1.01
Iron	300	ug/l	885	116	130	675
Lead	10	ug/l	ND	ND	ND	ND
Magnesium	NLE	ug/l	4550	1700	1890	4120
Manganese	50	ug/l	48.8	23.3	30.3	29.8
Mercury	2	ug/l	ND	ND	ND	ND
Nickel	100	ug/l	11.2	4.24	6.69	5.12
Potassium	NLE	ug/l	3930	2670	4020	2360
Selenium	50	ug/l	ND	5.34	ND	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	5820	3690	5130	9560
Thallium	10	ug/l	ND	ND	ND	ND
Vanadium	NLE	ug/l	1.03	0.687	0.526	0.521
Zinc	5000	ug/l	432	232	313	39.5

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-18
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW18	M2MW18	M2MW18	M2MW18
Date Collected			12/30/2002	3/25/2003	6/9/2003	9/10/2003
ANALYTE / Lab ID	Criterion	Units	2090406	3013507	3027406	3058205
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND
Chlorobenzene	50 *	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Methylnaphthalene	100 *	ug/l	ND	ND	ND	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	ND	ND	ND	ND
4,4'-DDE	.1	ug/l	ND	ND	ND	ND
4,4'-DDT	.1	ug/l	ND	ND	ND	ND
alpha-BHC	.02	ug/l	ND	ND	ND	ND
delta-BHC	100 *	ug/l	ND	ND	0.003	ND
Dieldrin	.03	ug/l	ND	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	ND	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	115	37.9	ND	44.6
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	2.82	ND	ND	ND
Barium	2000	ug/l	151	79	100	77.3
Beryllium	20	ug/l	ND	0.035	ND	0.039
Cadmium	4	ug/l	1.52	ND	0.941	0.874

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-18
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW18	M2MW18	M2MW18	M2MW18
Date Collected			12/30/2002	3/25/2003	6/9/2003	9/10/2003
ANALYTE / Lab ID			2090406	3013507	3027406	3058205
Metals						
Calcium	NLE	ug/l	27300	23700	32800	30200
Chromium	100	ug/l	ND	ND	ND	ND
Cobalt	100 *	ug/l	1.12	ND	ND	ND
Copper	1000	ug/l	2.81	1.21	ND	ND
Iron	300	ug/l	62300	6180	31400	20200
Lead	10	ug/l	1.35	ND	ND	ND
Magnesium	NLE	ug/l	4020	3650	4880	5210
Manganese	50	ug/l	88	69.1	95.2	68.5
Mercury	2	ug/l	ND	ND	ND	ND
Nickel	100	ug/l	ND	2.48	ND	ND
Potassium	NLE	ug/l	6510	5320	7520	7180
Selenium	50	ug/l	ND	ND	ND	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	5380	4330	7420	6870
Thallium	10	ug/l	ND	ND	ND	ND
Vanadium	NLE	ug/l	ND	0.346	0.218	ND
Zinc	5000	ug/l	14.4	45.6	4.48	1.77

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-19
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW19	M2MW19	M2MW19	M2MW19
Date Collected			12/27/2002	3/25/2003	6/9/2003	9/15/2003
ANALYTE / Lab ID	Criterion	Units	2090206	3013513	3027411	3058507
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND
Chlorobenzene	50 *	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Methylnaphthalene	100 *	ug/l	ND	ND	ND	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	ND	ND	ND	ND
4,4'-DDE	.1	ug/l	ND	ND	ND	ND
4,4'-DDT	.1	ug/l	ND	ND	ND	ND
alpha-BHC	.02	ug/l	ND	ND	ND	ND
delta-BHC	100 *	ug/l	ND	ND	ND	ND
Dieldrin	.03	ug/l	ND	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	ND	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	ND	44.5	ND	ND
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	ND	ND	ND	4.81
Barium	2000	ug/l	27.2	27.2	29.3	29.2
Beryllium	20	ug/l	ND	0.0769	ND	ND
Cadmium	4	ug/l	ND	ND	ND	ND

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-19
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW19	M2MW19	M2MW19	M2MW19
Date Collected			12/27/2002	3/25/2003	6/9/2003	9/15/2003
ANALYTE / Lab ID	Criterion	Units	2090206	3013513	3027411	3058507
Metals						
Calcium	NLE	ug/l	36000	34500	39700	34900
Chromium	100	ug/l	2.07	ND	ND	ND
Cobalt	100 *	ug/l	ND	ND	ND	ND
Copper	1000	ug/l	ND	ND	ND	0.765
Iron	300	ug/l	131	92.6	553	309
Lead	10	ug/l	ND	ND	ND	ND
Magnesium	NLE	ug/l	3160	3180	2800	3070
Manganese	50	ug/l	1.61	7.3	60.2	25.1
Mercury	2	ug/l	0.14	ND	ND	ND
Nickel	100	ug/l	ND	ND	ND	ND
Potassium	NLE	ug/l	4960	4470	4370	4810
Selenium	50	ug/l	ND	ND	ND	4.92
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	2850	3340	4280	4080
Thallium	10	ug/l	ND	ND	ND	ND
Vanadium	NLE	ug/l	ND	0.288	ND	ND
Zinc	5000	ug/l	22.9	12	8.92	10.7

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-20
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW20	M2MW20	M2MW20	M2MW20
Date Collected			12/27/2002	3/25/2003	6/9/2003	9/15/2003
ANALYTE / Lab ID	Criterion	Units	2090207	3013509	3027410	3058508
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND
Chlorobenzene	50 *	ug/l	ND	ND	ND	ND
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	ND
2-Methylnaphthalene	100 *	ug/l	ND	ND	ND	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	ND	ND	ND	ND
4,4'-DDE	.1	ug/l	ND	ND	ND	ND
4,4'-DDT	.1	ug/l	ND	ND	ND	ND
alpha-BHC	.02	ug/l	ND	ND	ND	ND
delta-BHC	100 *	ug/l	ND	ND	ND	ND
Dieldrin	.03	ug/l	ND	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	ND	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	ND	ND	ND	ND
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	ND	ND	ND	3.1
Barium	2000	ug/l	26.2	25	30.8	28.5
Beryllium	20	ug/l	ND	0.0537	ND	ND
Cadmium	4	ug/l	ND	ND	ND	ND

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-20
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW20	M2MW20	M2MW20	M2MW20
Date Collected			12/27/2002	3/25/2003	6/9/2003	9/15/2003
ANALYTE / Lab ID			2090207	3013509	3027410	3058508
Metals						
Calcium	NLE	ug/l	36100	31100	45800	33800
Chromium	100	ug/l	ND	ND	ND	ND
Cobalt	100 *	ug/l	ND	ND	ND	ND
Copper	1000	ug/l	ND	ND	1.02	1.57
Iron	300	ug/l	357	272	518	509
Lead	10	ug/l	ND	ND	ND	ND
Magnesium	NLE	ug/l	3720	3380	2960	3520
Manganese	50	ug/l	11.8	18	40.6	31
Mercury	2	ug/l	ND	ND	ND	ND
Nickel	100	ug/l	ND	ND	ND	ND
Potassium	NLE	ug/l	5120	4190	4660	4750
Selenium	50	ug/l	ND	5.65	ND	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	3030	2370	6160	3480
Thallium	10	ug/l	ND	ND	ND	ND
Vanadium	NLE	ug/l	ND	ND	ND	ND
Zinc	5000	ug/l	ND	2.71	2.29	3.29

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-21
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW21	M2MW21	M2MW21	M2MW21
Date Collected			12/30/2002	3/25/2003	6/6/2003	9/9/2003
ANALYTE / Lab ID	Criterion	Units	2090408	3013511	3027314	3058106
VOCs						
1,2-Dichlorobenzene	600	ug/l	1.81	1.19	1.59	1.2
1,3-Dichlorobenzene	600	ug/l	3.1	2.46	2.84	2.88
1,4-Dichlorobenzene	75	ug/l	4.6	5.99	7.79	7.04
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	3.03	ND	ND	ND
Benzene	1	ug/l	2.03	1.09	1.33	ND
Chlorobenzene	50 *	ug/l	47.85	26.03	29.42	7.59
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	1.27	ND	1.27
1,3-Dichlorobenzene	600	ug/l	1.74	2.28	1.76	2.77
1,4-Dichlorobenzene	75	ug/l	2.78	6.12	4.72	6.56
2-Methylnaphthalene	100 *	ug/l	2.97	1.71	ND	2.47
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	4.84	7.48	6.25	9
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	0.07	0.14	0.17	ND
4,4'-DDE	.1	ug/l	ND	0.011	ND	ND
4,4'-DDT	.1	ug/l	ND	ND	ND	ND
alpha-BHC	.02	ug/l	ND	ND	ND	ND
delta-BHC	100 *	ug/l	ND	ND	ND	ND
Dieldrin	.03	ug/l	ND	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	ND	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	57.3	79	38.5	87.6
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	ND	ND	ND	ND
Barium	2000	ug/l	410	259	307	528
Beryllium	20	ug/l	ND	0.108	ND	0.025
Cadmium	4	ug/l	ND	0.475	1.38	2

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-21
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW21	M2MW21	M2MW21	M2MW21
Date Collected			12/30/2002	3/25/2003	6/6/2003	9/9/2003
ANALYTE / Lab ID	Criterion	Units	2090408	3013511	3027314	3058106
Metals						
Calcium	NLE	ug/l	93200	75500	84400	90300
Chromium	100	ug/l	ND	1.67	1.38	1.14
Cobalt	100 *	ug/l	1.69	ND	ND	ND
Copper	1000	ug/l	2.23	1.3	2.15	ND
Iron	300	ug/l	44700	34000	31500	51100
Lead	10	ug/l	2.95	1.54	0.932	2.49
Magnesium	NLE	ug/l	6830	5330	5330	6140
Manganese	50	ug/l	437	415	392	628
Mercury	2	ug/l	ND	ND	ND	ND
Nickel	100	ug/l	2.01	1.95	ND	ND
Potassium	NLE	ug/l	4170	2850	3460	4320
Selenium	50	ug/l	ND	ND	ND	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	11000	13200	15800	21700
Thallium	10	ug/l	ND	ND	ND	2.35
Vanadium	NLE	ug/l	ND	0.763	0.942	0.638
Zinc	5000	ug/l	65.6	26.4	39.6	61.5

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-22
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW22	M2MW22	M2MW22	M2MW22
Date Collected			12/30/2002	3/25/2003	6/9/2003	9/10/2003
ANALYTE / Lab ID	Criterion	Units	2090404	3013506	3027405	3058206
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	ND	ND	ND	2.97
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	4.49	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND
Chlorobenzene	50 *	ug/l	ND	ND	3.48	27.03
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	355.3	188.07	315.47	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	1.05	ND	ND	ND
2-Methylnaphthalene	100 *	ug/l	ND	ND	ND	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	ND	ND	ND	ND
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	11.12	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	ND	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	ND	ND	ND	ND
4,4'-DDE	.1	ug/l	ND	ND	ND	ND
4,4'-DDT	.1	ug/l	ND	ND	ND	ND
alpha-BHC	.02	ug/l	ND	ND	ND	ND
delta-BHC	100 *	ug/l	ND	ND	ND	ND
Dieldrin	.03	ug/l	ND	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	ND	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	44	53.9	ND	68.2
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	2.82	ND	ND	ND
Barium	2000	ug/l	214	69.6	213	117
Beryllium	20	ug/l	ND	0.0382	0.039	0.03
Cadmium	4	ug/l	0.811	0.492	1.71	2.33

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-22
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW22	M2MW22	M2MW22	M2MW22
Date Collected			12/30/2002	3/25/2003	6/9/2003	9/10/2003
ANALYTE / Lab ID	Criterion	Units	2090404	3013506	3027405	3058206
Metals						
Calcium	NLE	ug/l	38500	35200	41200	42300
Chromium	100	ug/l	ND	1.51	ND	ND
Cobalt	100 *	ug/l	0.696	ND	ND	ND
Copper	1000	ug/l	ND	1.34	ND	ND
Iron	300	ug/l	47300	17200	47600	39000
Lead	10	ug/l	1.93	ND	1.32	ND
Magnesium	NLE	ug/l	5670	5500	6200	6340
Manganese	50	ug/l	96.8	82.5	104	100
Mercury	2	ug/l	ND	ND	ND	ND
Nickel	100	ug/l	ND	ND	ND	ND
Potassium	NLE	ug/l	7480	6340	6930	7740
Selenium	50	ug/l	ND	ND	ND	ND
Silver	30 *	ug/l	ND	2.28	ND	ND
Sodium	50000	ug/l	10500	8450	10800	12100
Thallium	10	ug/l	ND	ND	ND	ND
Vanadium	NLE	ug/l	ND	0.362	0.753	0.355
Zinc	5000	ug/l	ND	16.4	11.2	4.43

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-23
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW23	M2MW23	M2MW23	M2MW23
Date Collected			12/27/2002	3/26/2003	6/6/2003	9/11/2003
ANALYTE / Lab ID	Criterion	Units	2090211	3013709	3027308	3058407
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	1.25	ND	2.46	1.93
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	2.22	ND	3.57	2.75
Chlorobenzene	50 *	ug/l	22.03	7.19	30.55	25.7
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	1.33	1.32	1.86	1.6
2-Methylnaphthalene	100 *	ug/l	ND	ND	1.23	ND
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	ND
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	1.16	ND	2.81	2.01
Dibenzofuran	100 *	ug/l	ND	ND	ND	ND
Diethylphthalate	5000	ug/l	ND	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	ND	ND	ND	ND
Naphthalene	300 *	ug/l	ND	ND	ND	ND
N-Nitrosodiphenylamine	20	ug/l	ND	ND	1.07	ND
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	ND	ND	ND	ND
4,4'-DDE	.1	ug/l	ND	ND	ND	ND
4,4'-DDT	.1	ug/l	ND	ND	ND	ND
alpha-BHC	.02	ug/l	ND	ND	ND	ND
delta-BHC	100 *	ug/l	ND	ND	ND	ND
Dieldrin	.03	ug/l	ND	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	0.01
gamma-Chlordane	.5	ug/l	ND	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	ND	236	ND	157
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	ND	ND	ND	ND
Barium	2000	ug/l	307	229	329	165
Beryllium	20	ug/l	ND	ND	ND	ND
Cadmium	4	ug/l	ND	0.693	1.38	0.472

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-23
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW23	M2MW23	M2MW23	M2MW23
Date Collected			12/27/2002	3/26/2003	6/6/2003	9/11/2003
ANALYTE / Lab ID	Criterion	Units	2090211	3013709	3027308	3058407
Metals						
Calcium	NLE	ug/l	84000	58300	78500	66700
Chromium	100	ug/l	3.59	2.05	1.07	1.33
Cobalt	100 *	ug/l	1.31	ND	ND	ND
Copper	1000	ug/l	ND	2.92	ND	9.56
Iron	300	ug/l	9440	40500	42400	10200
Lead	10	ug/l	ND	2.86	ND	ND
Magnesium	NLE	ug/l	30300	18400	23900	16100
Manganese	50	ug/l	104	87.6	203	66.7
Mercury	2	ug/l	ND	ND	ND	ND
Nickel	100	ug/l	67	16.8	9.02	8.35
Potassium	NLE	ug/l	8460	7160	7720	8780
Selenium	50	ug/l	5.56	ND	ND	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	18400	11200	13900	9460
Thallium	10	ug/l	ND	ND	ND	ND
Vanadium	NLE	ug/l	1.28	9.24	7.45	3.14
Zinc	5000	ug/l	7.64	16.8	4.69	10.7

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-24
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW24	M2MW24	M2MW24	M2MW24
Date Collected			12/30/2002	3/25/2003	6/6/2003	9/9/2003
ANALYTE / Lab ID	Criterion	Units	2090409	3013512	3027313	3058105
VOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	4.16	2.99	3.48	3.45
2-Butanone	300	ug/l	ND	ND	ND	ND
4-Methyl-2-Pentanone	NLE	ug/l	ND	ND	ND	ND
Acetone	700	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	2.22	1.72	2.27	2.09
Chlorobenzene	50 *	ug/l	8.66	5.05	7.37	5.49
Chloroform	6	ug/l	ND	ND	ND	ND
Methylene Chloride	3 *	ug/l	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ug/l	ND	ND	ND	ND
Toluene	1000	ug/l	ND	ND	ND	ND
SVOCs						
1,2-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ug/l	2.24	2.56	2.32	3.22
2-Methylnaphthalene	100 *	ug/l	2.62	1.95	4.83	11.54
4-Methylphenol	NLE *	ug/l	ND	ND	ND	ND
Acenaphthene	400	ug/l	ND	ND	ND	5.83
Acenaphthylene	100 *	ug/l	ND	ND	ND	ND
Anthracene	2000	ug/l	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30	ug/l	5.1	5.68	4.87	6.29
Dibenzofuran	100 *	ug/l	ND	ND	ND	1.98
Diethylphthalate	5000	ug/l	1.2	ND	ND	ND
Di-n-butylphthalate	900	ug/l	ND	ND	ND	ND
Di-n-octylphthalate	100	ug/l	ND	ND	ND	ND
Fluoranthene	300	ug/l	ND	ND	ND	ND
Fluorene	300	ug/l	1.17	1.11	ND	2.05
Naphthalene	300 *	ug/l	ND	ND	ND	84.74
N-Nitrosodiphenylamine	20	ug/l	1	ND	ND	1.33
Phenanthrene	100 *	ug/l	ND	ND	ND	ND
Phenol	100 *	ug/l	ND	ND	ND	ND
Pyrene	200	ug/l	ND	ND	ND	ND
Pest/PCBs						
4,4'-DDD	.1	ug/l	ND	0.016	0.025	ND
4,4'-DDE	.1	ug/l	ND	ND	ND	ND
4,4'-DDT	.1	ug/l	ND	ND	ND	ND
alpha-BHC	.02	ug/l	ND	ND	ND	ND
delta-BHC	100 *	ug/l	ND	ND	ND	ND
Dieldrin	.03	ug/l	ND	ND	ND	ND
Endrin ketone	NLE	ug/l	NA	NA	NA	ND
gamma-Chlordane	.5	ug/l	ND	ND	ND	ND
Heptachlor Epoxide	.2	ug/l	ND	ND	ND	ND
Metals						
Aluminum	200	ug/l	ND	39.1	ND	44.7
Antimony	20	ug/l	ND	ND	ND	ND
Arsenic	8	ug/l	2.52	ND	ND	ND
Barium	2000	ug/l	422	283	313	313
Beryllium	20	ug/l	ND	0.055	ND	0.024
Cadmium	4	ug/l	0.755	0.614	2.11	2.05

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-24
Groundwater Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round	Criterion	Units	#11	#12	#13	#14
WELL ID			M2MW24	M2MW24	M2MW24	M2MW24
Date Collected			12/30/2002	3/25/2003	6/6/2003	9/9/2003
ANALYTE / Lab ID	Criterion	Units	2090409	3013512	3027313	3058105
Metals						
Calcium	NLE	ug/l	72400	56700	60900	59800
Chromium	100	ug/l	ND	ND	1.15	ND
Cobalt	100 *	ug/l	1.36	ND	ND	ND
Copper	1000	ug/l	12.4	ND	20.2	ND
Iron	300	ug/l	65100	45700	58300	60600
Lead	10	ug/l	3.12	0.974	ND	2.25
Magnesium	NLE	ug/l	6190	4930	4870	5080
Manganese	50	ug/l	823	660	685	749
Mercury	2	ug/l	ND	ND	ND	ND
Nickel	100	ug/l	ND	ND	ND	ND
Potassium	NLE	ug/l	4190	2760	2810	3190
Selenium	50	ug/l	ND	ND	ND	ND
Silver	30 *	ug/l	ND	ND	ND	ND
Sodium	50000	ug/l	11100	8540	9140	11800
Thallium	10	ug/l	ND	ND	2.48	2.22
Vanadium	NLE	ug/l	ND	0.544	1.03	0.721
Zinc	5000	ug/l	7.16	8.93	14.2	3.85

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L = micrograms per liter, equivalent to parts per billoion (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 5-25
Groundwater Exceedance Summary
Site M-2
Fort Monmouth, New Jersey

Analyte	Criterion	Field ID	Round	Date Collected	Lab Sample ID	Result	Units
VOCs							
Benzene	**1**						
		M2MW02				**Maximum Result: 1.74**	ug/l
			#12	3/25/2003	3013505	1.74	ug/l
		M2MW03				**Maximum Result: 4.45**	ug/l
			#11	12/27/2002	2090208	1.62	ug/l
			#12	3/26/2003	3013708	1.73	ug/l
			#13	6/6/2003	3027305	4.45	ug/l
		M2MW08				**Maximum Result: 2.2**	ug/l
			#11	12/16/2002	2088706	1.41	ug/l
			#13	6/6/2003	3027310	2.2	ug/l
		M2MW09				**Maximum Result: 2.35**	ug/l
			#11	12/27/2002	2090302	2.35	ug/l
		M2MW11				**Maximum Result: 116.55**	ug/l
			#13	6/9/2003	3027413	116.55	ug/l
		M2MW21				**Maximum Result: 2.03**	ug/l
			#11	12/30/2002	2090408	2.03	ug/l
			#12	3/25/2003	3013511	1.09	ug/l
			#13	6/6/2003	3027314	1.33	ug/l
		M2MW23				**Maximum Result: 3.57**	ug/l
			#11	12/27/2002	2090211	2.22	ug/l
			#13	6/6/2003	3027308	3.57	ug/l
			#14	9/11/2003	3058407	2.75	ug/l
		M2MW24				**Maximum Result: 2.27**	ug/l
			#11	12/30/2002	2090409	2.22	ug/l
			#12	3/25/2003	3013512	1.72	ug/l
			#13	6/6/2003	3027313	2.27	ug/l
			#14	9/9/2003	3058105	2.09	ug/l
Chlorobenzene	**50 ***						
		M2MW03				**Maximum Result: 93.42**	ug/l
			#13	6/6/2003	3027305	93.42	ug/l
Pest/PCBs							
4,4'-DDD	**.1**						
		M2MW21				**Maximum Result: 0.17**	ug/l
			#12	3/25/2003	3013511	0.14	ug/l
			#13	6/6/2003	3027314	0.17	ug/l
Metals							
Aluminum	**200**						
		M2MW01				**Maximum Result: 539**	ug/l
			#11	12/30/2002	2090413	286	ug/l
			#12	3/26/2003	3013704	216	ug/l
			#13	6/6/2003	3027309	539	ug/l
			#14	9/15/2003	3058504	486	ug/l
		M2MW03				**Maximum Result: 226**	ug/l
			#14	9/11/2003	3058408	226	ug/l
		M2MW05				**Maximum Result: 1800**	ug/l
			#13	6/9/2003	3027408	313	ug/l
			#14	9/10/2003	3058208	1800	ug/l
		M2MW06				**Maximum Result: 1280**	ug/l
			#14	9/8/2003	3057702	1280	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 5-25
Groundwater Exceedance Summary
Site M-2
Fort Monmouth, New Jersey

Analyte	Criterion	Field ID	Round	Date Collected	Lab Sample ID	Result	Units
		M2MW07				**Maximum Result: 1580**	ug/l
			#13	6/9/2003	3027409	714	ug/l
			#14	9/10/2003	3058209	1580	ug/l
		M2MW08				**Maximum Result: 370**	ug/l
			#13	6/6/2003	3027310	370	ug/l
			#14	9/10/2003	3058210	299	ug/l
		M2MW09				**Maximum Result: 883**	ug/l
			#12	3/20/2003	3012802	487	ug/l
			#13	6/9/2003	3027412	883	ug/l
			#14	9/8/2003	3057701	848	ug/l
		M2MW10				**Maximum Result: 1260**	ug/l
			#11	12/16/2002	2088707	652	ug/l
			#13	6/6/2003	3027304	1260	ug/l
			#14	9/11/2003	3058409	1050	ug/l
		M2MW13				**Maximum Result: 224**	ug/l
			#14	9/11/2003	3058406	224	ug/l
		M2MW14				**Maximum Result: 312**	ug/l
			#14	9/11/2003	3058405	312	ug/l
		M2MW15				**Maximum Result: 258**	ug/l
			#13	6/6/2003	3027315	258	ug/l
		M2MW16				**Maximum Result: 625**	ug/l
			#13	6/6/2003	3027312	625	ug/l
		M2MW17				**Maximum Result: 647**	ug/l
			#11	12/30/2002	2090407	647	ug/l
			#12	3/25/2003	3013508	237	ug/l
			#14	9/10/2003	3058204	423	ug/l
		M2MW23				**Maximum Result: 236**	ug/l
			#12	3/26/2003	3013709	236	ug/l
Arsenic	**8**						
		M2MW05				**Maximum Result: 13.1**	ug/l
			#14	9/10/2003	3058208	13.1	ug/l
		M2MW06				**Maximum Result: 9.4**	ug/l
			#14	9/8/2003	3057702	9.4	ug/l
		M2MW13				**Maximum Result: 8.04**	ug/l
			#12	3/26/2003	3013706	8.04	ug/l
		M2MW15				**Maximum Result: 246**	ug/l
			#13	6/6/2003	3027315	246	ug/l
Cadmium	**4**						
		M2MW05				**Maximum Result: 4.44**	ug/l
			#14	9/10/2003	3058208	4.44	ug/l
		M2MW09				**Maximum Result: 7.92**	ug/l
			#13	6/9/2003	3027412	7.92	ug/l
		M2MW16				**Maximum Result: 4.5**	ug/l
			#11	12/30/2002	2090410	4.5	ug/l
			#13	6/6/2003	3027312	4.12	ug/l
Iron	**300**						
		M2MW01				**Maximum Result: 1300**	ug/l
			#13	6/6/2003	3027309	1240	ug/l
			#14	9/15/2003	3058504	1300	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 5-25
Groundwater Exceedance Summary
Site M-2
Fort Monmouth, New Jersey

Analyte	Criterion	Field ID	Round	Date Collected	Lab Sample ID	Result	Units
		M2MW02				**Maximum Result: 45200**	ug/l
			#11	12/30/2002	2090405	25300	ug/l
			#12	3/25/2003	3013505	29900	ug/l
			#13	6/9/2003	3027404	9600	ug/l
			#14	9/10/2003	3058207	45200	ug/l
		M2MW03				**Maximum Result: 46500**	ug/l
			#11	12/27/2002	2090208	9930	ug/l
			#12	3/26/2003	3013708	12800	ug/l
			#13	6/6/2003	3027305	46500	ug/l
			#14	9/11/2003	3058408	13400	ug/l
		M2MW04				**Maximum Result: 41600**	ug/l
			#11	12/30/2002	2090411	28000	ug/l
			#12	3/25/2003	3013516	32300	ug/l
			#13	6/6/2003	3027311	30800	ug/l
			#14	9/10/2003	3058211	41600	ug/l
		M2MW05				**Maximum Result: 108000**	ug/l
			#11	12/16/2002	2088704	24300	ug/l
			#12	3/25/2003	3013504	5340	ug/l
			#13	6/9/2003	3027408	66600	ug/l
			#14	9/10/2003	3058208	108000	ug/l
		M2MW06				**Maximum Result: 31800**	ug/l
			#11	12/27/2002	2090301	9280	ug/l
			#12	3/20/2003	3012801	22700	ug/l
			#13	6/9/2003	3027415	31800	ug/l
			#14	9/8/2003	3057702	20600	ug/l
		M2MW07				**Maximum Result: 44600**	ug/l
			#11	12/16/2002	2088705	15200	ug/l
			#12	3/25/2003	3013510	22900	ug/l
			#13	6/9/2003	3027409	44600	ug/l
			#14	9/10/2003	3058209	15500	ug/l
		M2MW08				**Maximum Result: 34200**	ug/l
			#11	12/16/2002	2088706	15100	ug/l
			#12	3/25/2003	3013515	3250	ug/l
			#13	6/6/2003	3027310	34200	ug/l
			#14	9/10/2003	3058210	31500	ug/l
		M2MW09				**Maximum Result: 123000**	ug/l
			#11	12/27/2002	2090302	5960	ug/l
			#12	3/20/2003	3012802	10400	ug/l
			#13	6/9/2003	3027412	123000	ug/l
			#14	9/8/2003	3057701	33800	ug/l
		M2MW10				**Maximum Result: 24400**	ug/l
			#11	12/16/2002	2088707	24400	ug/l
			#12	3/25/2003	3013518	1350	ug/l
			#13	6/6/2003	3027304	10900	ug/l
			#14	9/11/2003	3058409	6090	ug/l
		M2MW11				**Maximum Result: 308**	ug/l
			#12	3/26/2003	3013710	308	ug/l
		M2MW12				**Maximum Result: 676**	ug/l
			#12	3/26/2003	3013707	676	ug/l
		M2MW13				**Maximum Result: 77100**	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 5-25
Groundwater Exceedance Summary
Site M-2
Fort Monmouth, New Jersey

Analyte	Criterion	Field ID	Round	Date Collected	Lab Sample ID	Result	Units
			#11	12/27/2002	2090209	28100	ug/l
			#12	3/26/2003	3013706	77100	ug/l
			#13	6/6/2003	3027307	46800	ug/l
			#14	9/11/2003	3058406	23700	ug/l
		M2MW14				**Maximum Result: 36900**	ug/l
			#11	12/27/2002	2090210	24100	ug/l
			#12	3/26/2003	3013705	36900	ug/l
			#13	6/6/2003	3027306	25000	ug/l
			#14	9/11/2003	3058405	27200	ug/l
		M2MW15				**Maximum Result: 13600**	ug/l
			#11	12/30/2002	2090412	13600	ug/l
			#13	6/6/2003	3027315	5190	ug/l
			#14	9/11/2003	3058404	6940	ug/l
		M2MW16				**Maximum Result: 15000**	ug/l
			#11	12/30/2002	2090410	2520	ug/l
			#13	6/6/2003	3027312	15000	ug/l
			#14	9/9/2003	3058104	14500	ug/l
		M2MW17				**Maximum Result: 885**	ug/l
			#11	12/30/2002	2090407	885	ug/l
			#14	9/10/2003	3058204	675	ug/l
		M2MW18				**Maximum Result: 62300**	ug/l
			#11	12/30/2002	2090406	62300	ug/l
			#12	3/25/2003	3013507	6180	ug/l
			#13	6/9/2003	3027406	31400	ug/l
			#14	9/10/2003	3058205	20200	ug/l
		M2MW19				**Maximum Result: 553**	ug/l
			#13	6/9/2003	3027411	553	ug/l
			#14	9/15/2003	3058507	309	ug/l
		M2MW20				**Maximum Result: 518**	ug/l
			#11	12/27/2002	2090207	357	ug/l
			#13	6/9/2003	3027410	518	ug/l
			#14	9/15/2003	3058508	509	ug/l
		M2MW21				**Maximum Result: 51100**	ug/l
			#11	12/30/2002	2090408	44700	ug/l
			#12	3/25/2003	3013511	34000	ug/l
			#13	6/6/2003	3027314	31500	ug/l
			#14	9/9/2003	3058106	51100	ug/l
		M2MW22				**Maximum Result: 47600**	ug/l
			#11	12/30/2002	2090404	47300	ug/l
			#12	3/25/2003	3013506	17200	ug/l
			#13	6/9/2003	3027405	47600	ug/l
			#14	9/10/2003	3058206	39000	ug/l
		M2MW23				**Maximum Result: 42400**	ug/l
			#11	12/27/2002	2090211	9440	ug/l
			#12	3/26/2003	3013709	40500	ug/l
			#13	6/6/2003	3027308	42400	ug/l
			#14	9/11/2003	3058407	10200	ug/l
		M2MW24				**Maximum Result: 65100**	ug/l
			#11	12/30/2002	2090409	65100	ug/l
			#12	3/25/2003	3013512	45700	ug/l
			#13	6/6/2003	3027313	58300	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 5-25
Groundwater Exceedance Summary
Site M-2
Fort Monmouth, New Jersey

Analyte	Criterion	Field ID	Round	Date Collected	Lab Sample ID	Result	Units
			#14	9/9/2003	3058105	60600	ug/l
Lead	**10**						
		M2MW06				**Maximum Result: 11.7**	ug/l
			#14	9/8/2003	3057702	11.7	ug/l
		M2MW16				**Maximum Result: 46.3**	ug/l
			#13	6/6/2003	3027312	46.3	ug/l
			#14	9/9/2003	3058104	10.8	ug/l
Manganese	**50**						
		M2MW01				**Maximum Result: 63.5**	ug/l
			#11	12/30/2002	2090413	63.5	ug/l
			#14	9/15/2003	3058504	55	ug/l
		M2MW02				**Maximum Result: 403**	ug/l
			#11	12/30/2002	2090405	178	ug/l
			#12	3/25/2003	3013505	403	ug/l
			#13	6/9/2003	3027404	51.4	ug/l
			#14	9/10/2003	3058207	310	ug/l
		M2MW03				**Maximum Result: 479**	ug/l
			#11	12/27/2002	2090208	146	ug/l
			#12	3/26/2003	3013708	237	ug/l
			#13	6/6/2003	3027305	479	ug/l
			#14	9/11/2003	3058408	250	ug/l
		M2MW04				**Maximum Result: 707**	ug/l
			#11	12/30/2002	2090411	235	ug/l
			#12	3/25/2003	3013516	707	ug/l
			#13	6/6/2003	3027311	437	ug/l
			#14	9/10/2003	3058211	296	ug/l
		M2MW06				**Maximum Result: 336**	ug/l
			#11	12/27/2002	2090301	56.6	ug/l
			#12	3/20/2003	3012801	297	ug/l
			#13	6/9/2003	3027415	336	ug/l
			#14	9/8/2003	3057702	57.3	ug/l
		M2MW07				**Maximum Result: 75.5**	ug/l
			#11	12/16/2002	2088705	66.5	ug/l
			#12	3/25/2003	3013510	53.3	ug/l
			#13	6/9/2003	3027409	75.5	ug/l
			#14	9/10/2003	3058209	56.4	ug/l
		M2MW09				**Maximum Result: 2450**	ug/l
			#11	12/27/2002	2090302	1170	ug/l
			#12	3/20/2003	3012802	870	ug/l
			#13	6/9/2003	3027412	2450	ug/l
			#14	9/8/2003	3057701	1430	ug/l
		M2MW10				**Maximum Result: 74.2**	ug/l
			#11	12/16/2002	2088707	74.2	ug/l
		M2MW13				**Maximum Result: 134**	ug/l
			#11	12/27/2002	2090209	111	ug/l
			#12	3/26/2003	3013706	134	ug/l
			#13	6/6/2003	3027307	109	ug/l
			#14	9/11/2003	3058406	113	ug/l
		M2MW14				**Maximum Result: 247**	ug/l
			#11	12/27/2002	2090210	246	ug/l
			#12	3/26/2003	3013705	247	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 5-25
Groundwater Exceedance Summary
Site M-2
Fort Monmouth, New Jersey

Analyte	Criterion	Field ID	Round	Date Collected	Lab Sample ID	Result	Units
			#13	6/6/2003	3027306	208	ug/l
			#14	9/11/2003	3058405	193	ug/l
		M2MW15				**Maximum Result: 170**	ug/l
			#11	12/30/2002	2090412	170	ug/l
			#13	6/6/2003	3027315	85.7	ug/l
			#14	9/11/2003	3058404	68.5	ug/l
		M2MW16				**Maximum Result: 376**	ug/l
			#11	12/30/2002	2090410	376	ug/l
			#12	3/25/2003	3013514	141	ug/l
			#13	6/6/2003	3027312	198	ug/l
			#14	9/9/2003	3058104	283	ug/l
		M2MW18				**Maximum Result: 95.2**	ug/l
			#11	12/30/2002	2090406	88	ug/l
			#12	3/25/2003	3013507	69.1	ug/l
			#13	6/9/2003	3027406	95.2	ug/l
			#14	9/10/2003	3058205	68.5	ug/l
		M2MW19				**Maximum Result: 60.2**	ug/l
			#13	6/9/2003	3027411	60.2	ug/l
		M2MW21				**Maximum Result: 628**	ug/l
			#11	12/30/2002	2090408	437	ug/l
			#12	3/25/2003	3013511	415	ug/l
			#13	6/6/2003	3027314	392	ug/l
			#14	9/9/2003	3058106	628	ug/l
		M2MW22				**Maximum Result: 104**	ug/l
			#11	12/30/2002	2090404	96.8	ug/l
			#12	3/25/2003	3013506	82.5	ug/l
			#13	6/9/2003	3027405	104	ug/l
			#14	9/10/2003	3058206	100	ug/l
		M2MW23				**Maximum Result: 203**	ug/l
			#11	12/27/2002	2090211	104	ug/l
			#12	3/26/2003	3013709	87.6	ug/l
			#13	6/6/2003	3027308	203	ug/l
			#14	9/11/2003	3058407	66.7	ug/l
		M2MW24				**Maximum Result: 823**	ug/l
			#11	12/30/2002	2090409	823	ug/l
			#12	3/25/2003	3013512	660	ug/l
			#13	6/6/2003	3027313	685	ug/l
			#14	9/9/2003	3058105	749	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 5-26
Surface Water Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round			#29	#30	#31	#32
WELL ID			SS-13	SS-13	SS-13	SS-13
Date Collected			11/5/2002	3/24/2003	5/21/2003	9/17/2003
ANALYTE / Lab ID	Criterion	Units	2078713	3013411	3024713	3059226
VOCs						
Acetone	NLE	ug/l	ND	ND	ND	ND
Benzene	.15	ug/l	ND	ND	ND	ND
Carbon Disulfide	NLE	ug/l	ND	ND	ND	ND
Chlorobenzene	22	ug/l	ND	ND	ND	ND
Chloroform	NLE	ug/l	ND	ND	ND	ND
cis-1,2-Dichloroethene	NLE	ug/l	ND	ND	ND	ND
Ethylbenzene	3030	ug/l	ND	ND	ND	ND
Methylene Chloride	2.49	ug/l	ND	ND	ND	ND
Tetrachloroethene	NLE	ug/l	1.46	ND	ND	ND
Toluene	7440	ug/l	ND	ND	ND	ND
Trichloroethene	NLE	ug/l	ND	ND	ND	ND
Vinyl chloride	.083	ug/l	ND	ND	ND	ND

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L =micrograms per liter, equivalent to parts per billoion (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 5-27
Surface Water Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round			#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	Criterion	Units	2078707	3013404	3024712	3059220
VOCs						
Acetone	NLE	ug/l	ND	ND	ND	ND
Benzene	.15	ug/l	ND	ND	ND	ND
Carbon Disulfide	NLE	ug/l	ND	ND	ND	ND
Chlorobenzene	22	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	3030	ug/l	ND	ND	ND	ND
Methylene Chloride	2.49	ug/l	ND	ND	ND	ND
Tetrachloroethene	NLE	ug/l	1.52	3.96	3.84	1.6
Toluene	7440	ug/l	ND	ND	ND	ND
Trichloroethene	NLE	ug/l	ND	1.11	ND	ND
Vinyl chloride	.083	ug/l	ND	ND	ND	ND

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L =micrograms per liter, equivalent to parts per billoion (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 5-28
Surface Water Sampling Results
Site M-2
Fort Monmouth, New Jersey

Round			#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	Criterion	Units	2078710	3011813	3024714	3059217
VOCs						
Acetone	NLE	ug/l	ND	ND	ND	ND
Benzene	.15	ug/l	ND	ND	ND	ND
Carbon Disulfide	NLE	ug/l	ND	ND	ND	ND
Chlorobenzene	22	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	3030	ug/l	ND	ND	ND	ND
Methylene Chloride	2.49	ug/l	ND	ND	ND	ND
Tetrachloroethene	NLE	ug/l	1.49	3.21	3.68	1.7
Toluene	7440	ug/l	ND	ND	ND	ND
Trichloroethene	NLE	ug/l	ND	0.74	ND	ND
Vinyl chloride	.083	ug/l	ND	ND	ND	ND

Notes: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds;
PCBs = polyhloronated biphenyls; MDL = Method Detection Limit;
ND = Not Detected; ug/L =micrograms per liter, equivalent to parts per billoion (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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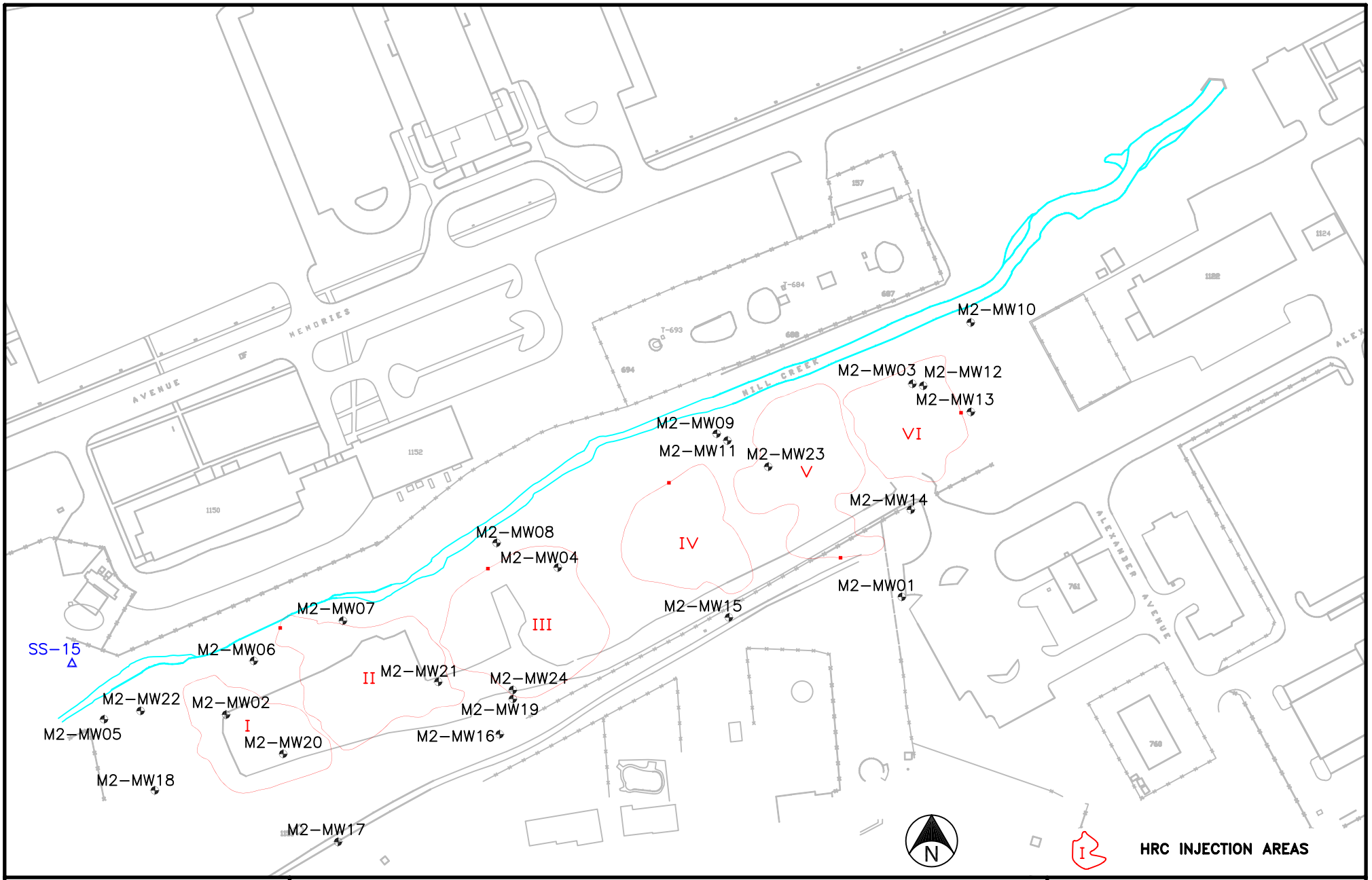

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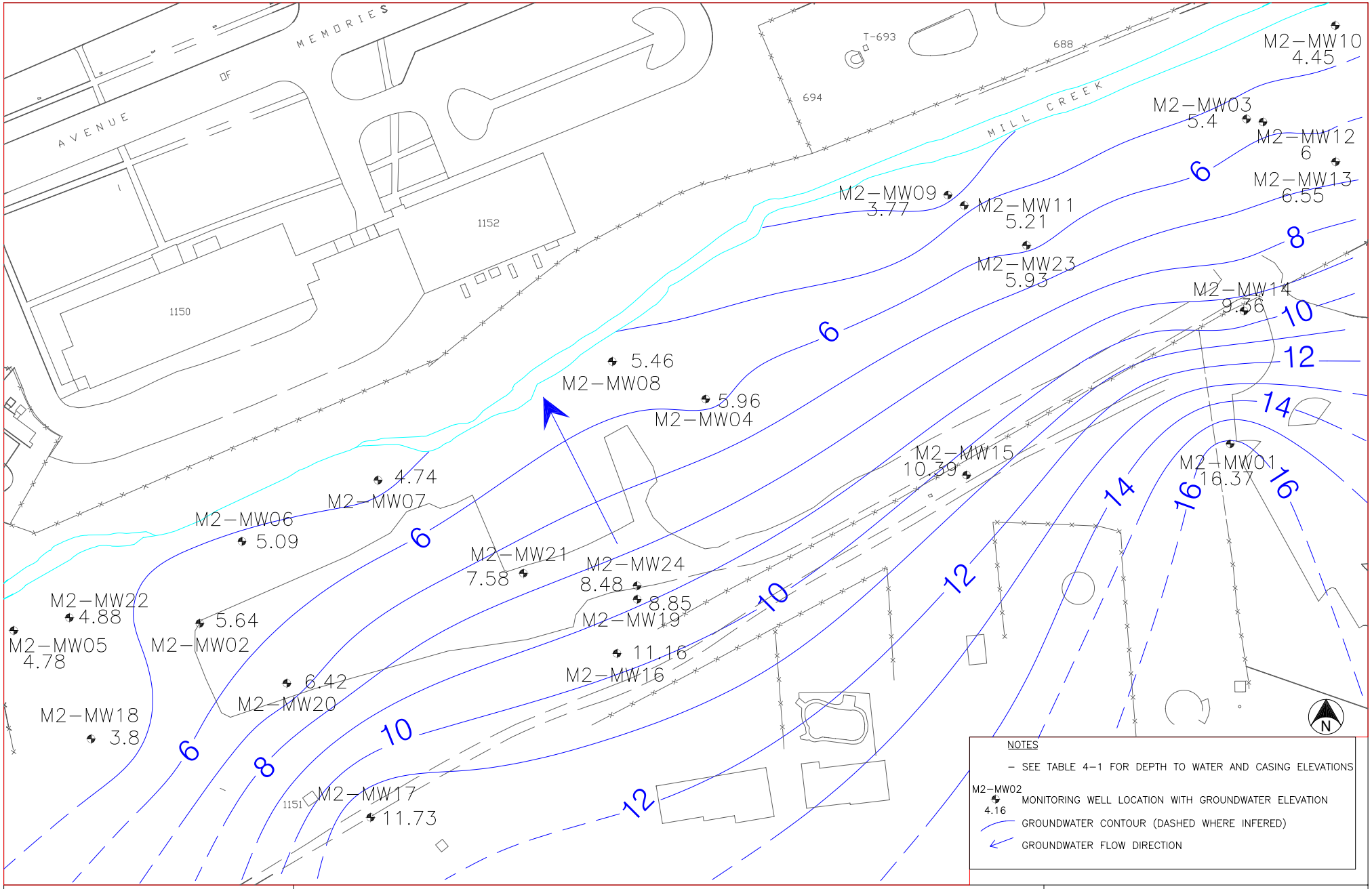
ARCHITECTURE•ENGINEERING•CONSTRUCTION
201 GIBRALTAR ROAD, SUITE 100, HORSHAM, PA 19044
TEL: 215.957.0955 FAX: 215.957.0497

FIGURE 3-1
BIOREMEDIATION AREAS

M-2 LANDFILL
FORT MONMOUTH, NEW JERSEY

CLIENT NO.: 110571.0571.305	
DRAWING REF. NO.: 301	
SCALE 1:100	20-JUN-03
REVISION 0	SKETCH NO. C-1



NOTES

– SEE TABLE 4–1 FOR DEPTH TO WATER AND CASING ELEVATIONS

M2–MW02 4.16 — MONITORING WELL LOCATION WITH GROUNDWATER ELEVATION

GROUNDWATER CONTOUR (DASHED WHERE INFERED)

GROUNDWATER FLOW DIRECTION

Versar INC.
4700 S. Mc CLINTOCK DR., STE. 150
TEMPE, ARIZONA 85282
• TELEPHONE (480)838-5352
• FAX (480)838-6990

FIGURE 4–1
GROUNDWATER CONTOUR MAP (30 DEC 02)

M–2 LANDFILL
FORT MONMOUTH, NEW JERSEY

CLIENT NO.:	110571.0571.411
DRAWING REF. NO.:	001
1:100	08/22/05
REVISION 0	SKETCH NO. D-1

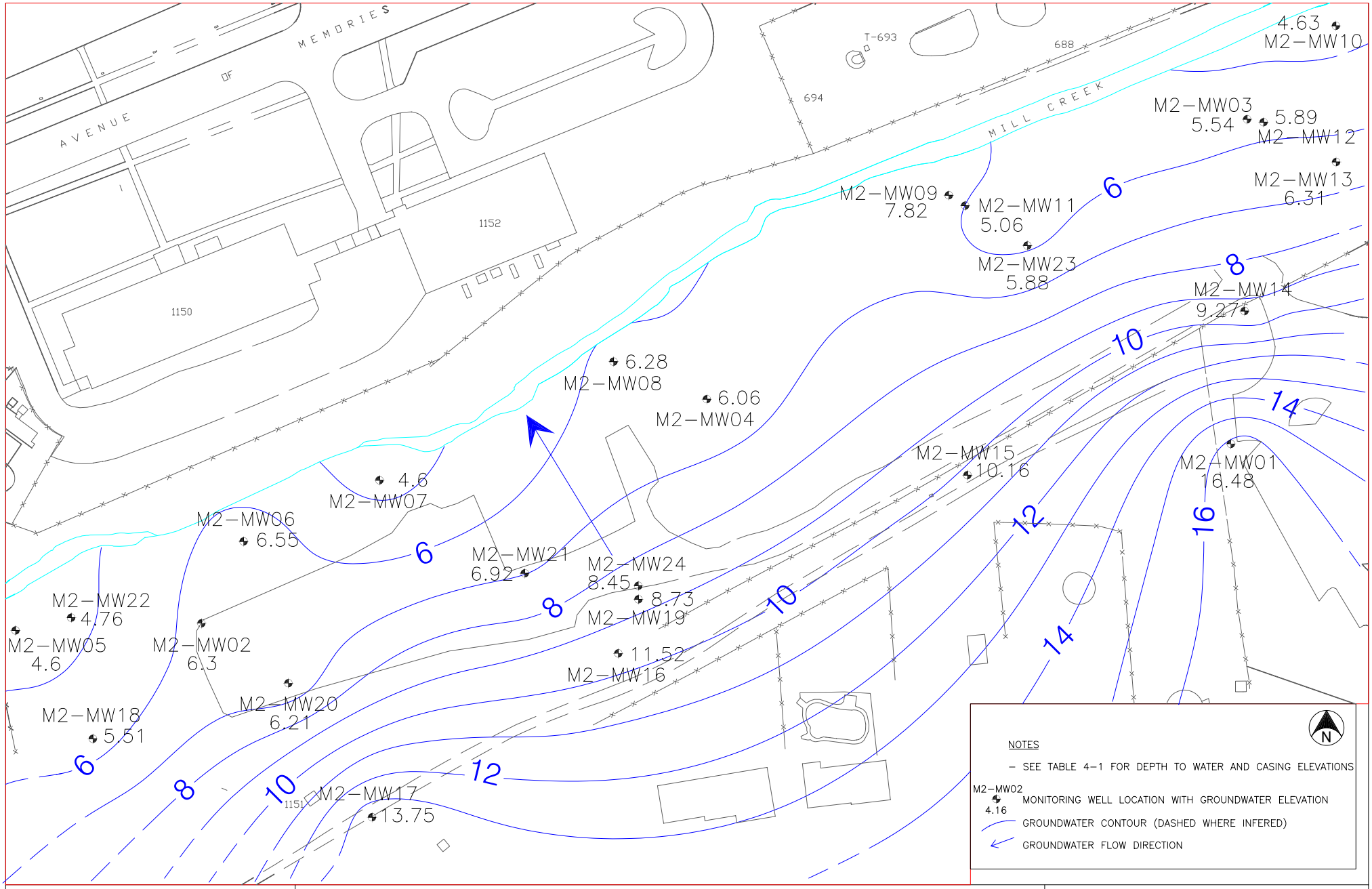


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FIGURE 4-2
GROUNDWATER CONTOUR MAP (26 MAR 03)

M-2 LANDFILL
FORT MONMOUTH, NEW JERSEY

CLIENT NO.:	110571.0571.411
DRAWING REF. NO.:	001
1:100	08/22/05
REVISION 0	SKETCH NO. D-2

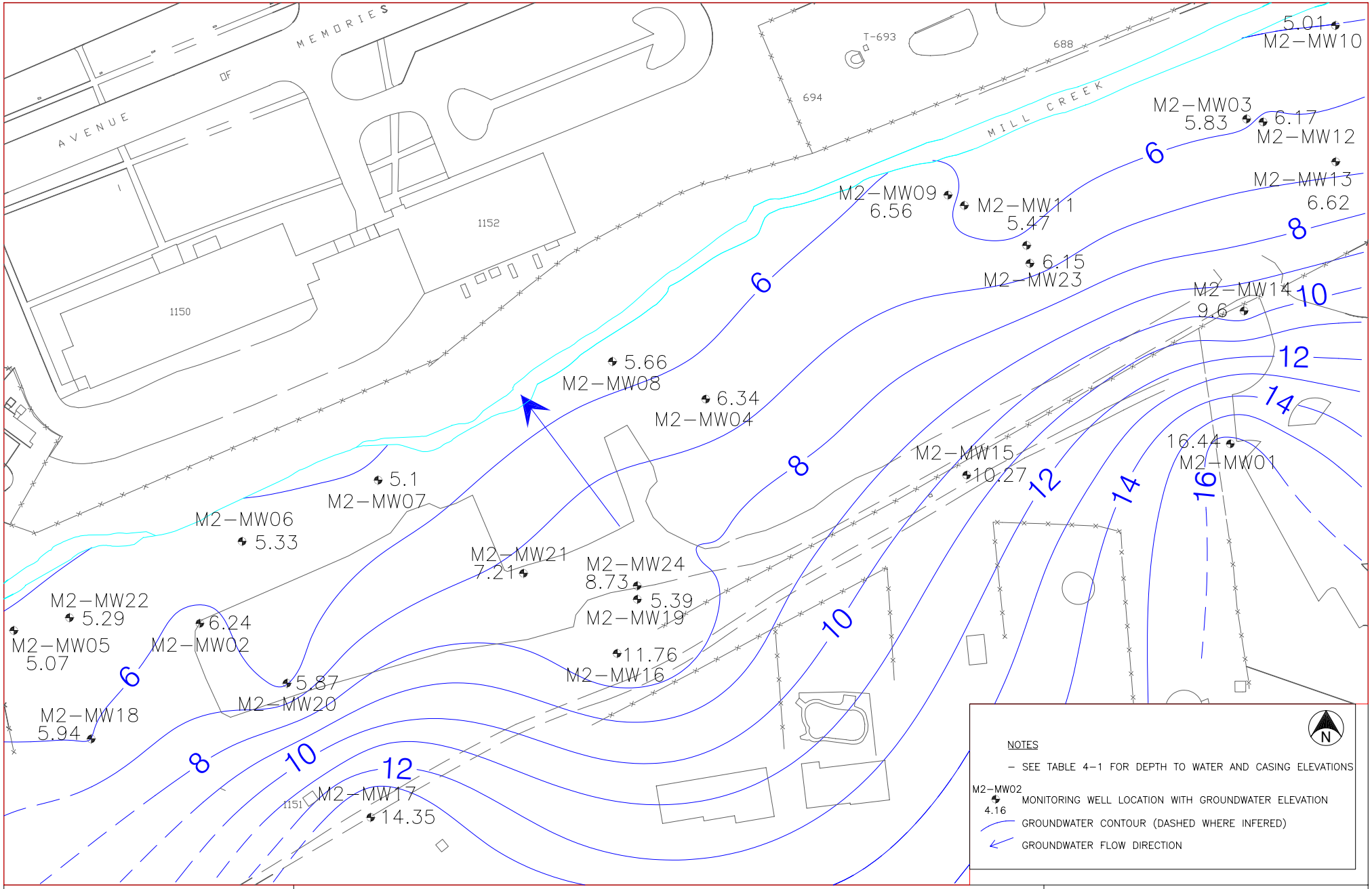

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FIGURE 4-3
GROUNDWATER CONTOUR MAP (6 JUN 03)

M-2 LANDFILL
FORT MONMOUTH, NEW JERSEY

CLIENT NO.:	110571.0571.411
DRAWING REF. NO.:	001
1:100	08/22/05
REVISION 0	SKETCH NO. D-3

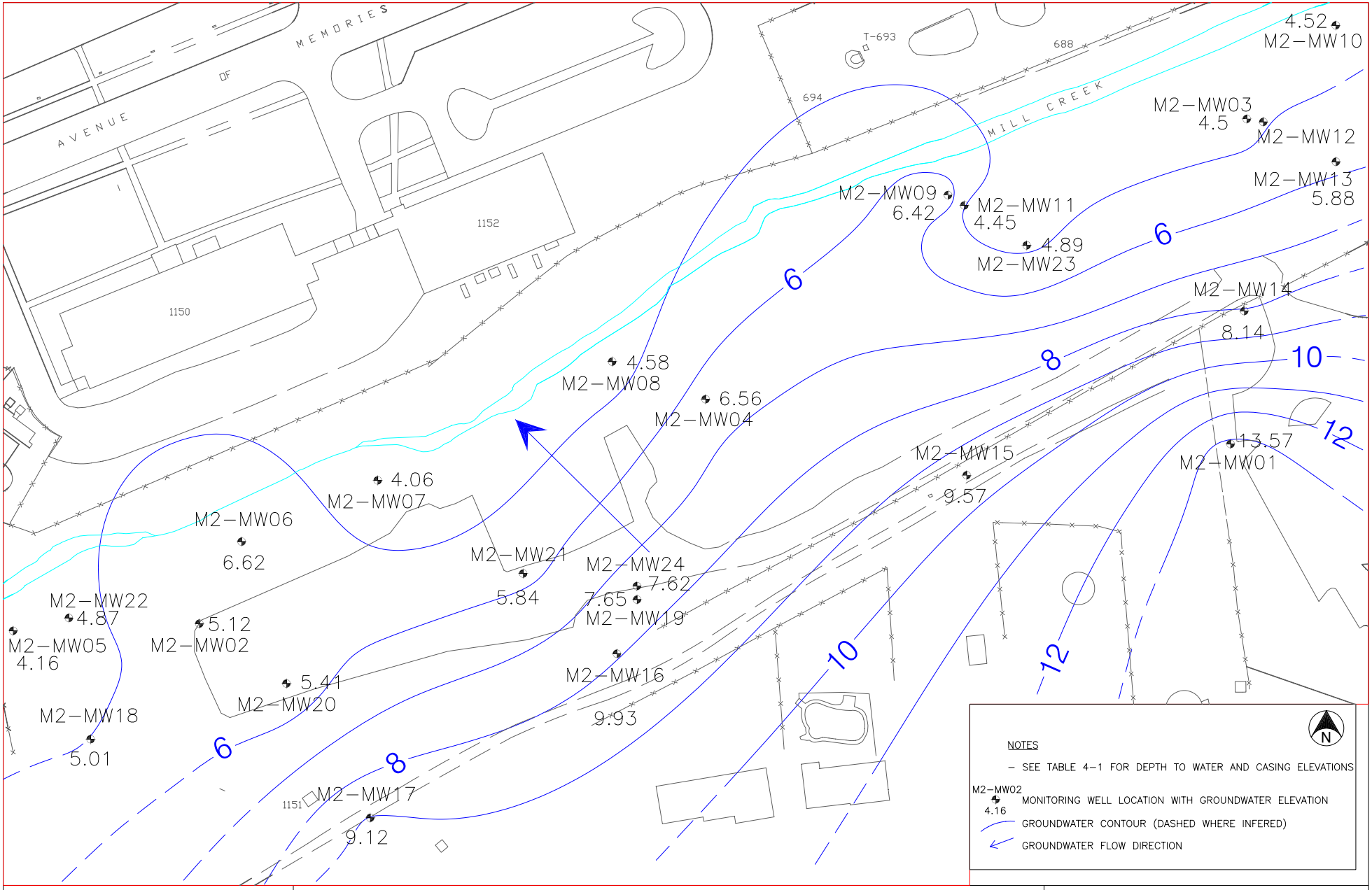

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FIGURE 4-4
GROUNDWATER CONTOUR MAP (10 SEP 03)

M-2 LANDFILL
FORT MONMOUTH, NEW JERSEY

CLIENT NO.:	110571.0571.411
DRAWING REF. NO.:	001
1:100	08/22/05
REVISION 0	SKETCH NO. D-4

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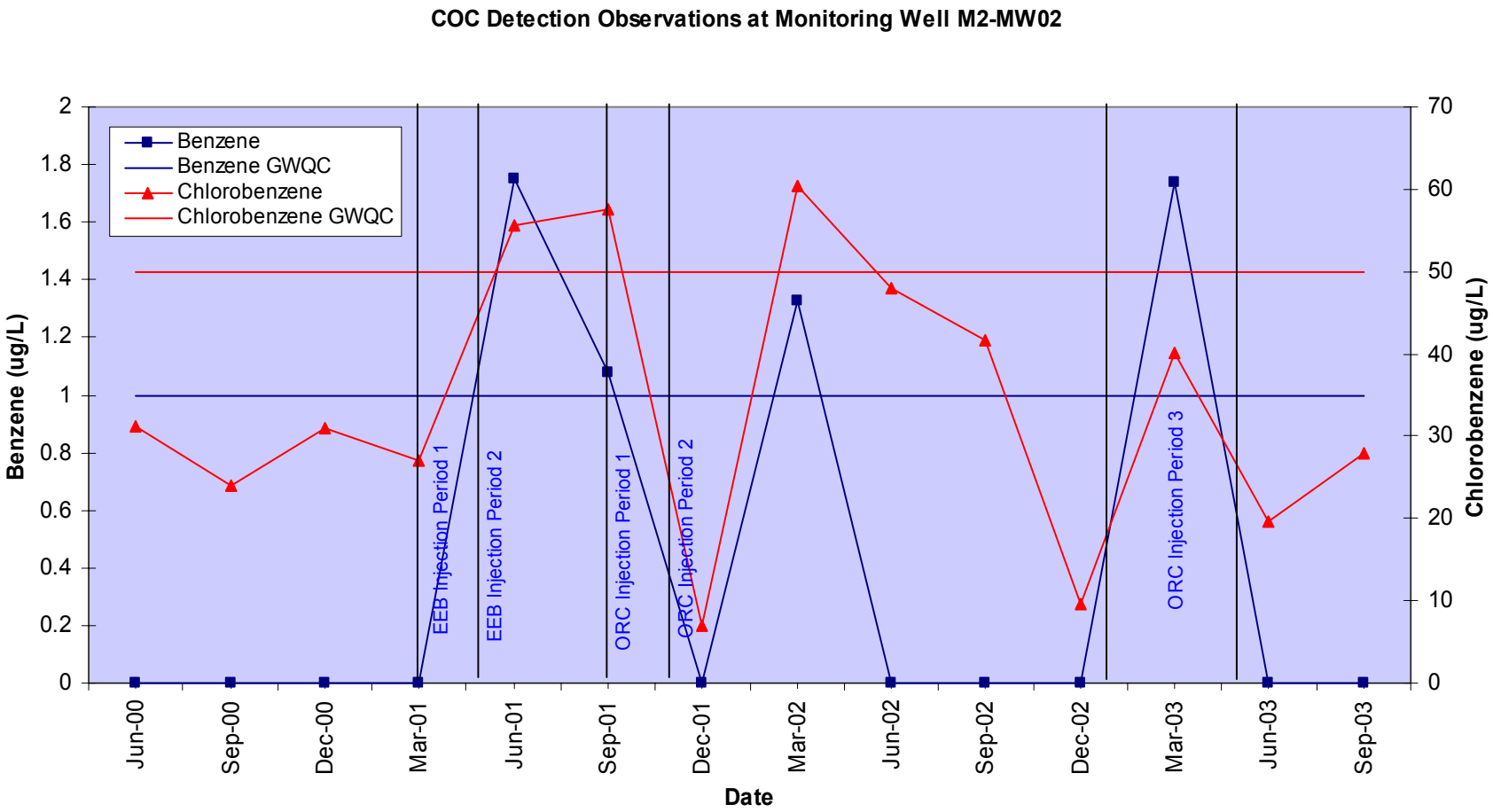

Notes:
1) Concentration is shown in micrograms per liter (ug/L), equivalent to parts per billion.
2) Observed COC concentrations at well M2-MW02 are shown starting in June 2000.
3) For graphing purposes, the concentrations that were observed as non-detected (ND) are shown as zero (0) concentration.

FIGURE 5-2

COC Detection Observations at Well M2-MW02
M-2 Landfill Site
Fort Monmouth, New Jersey

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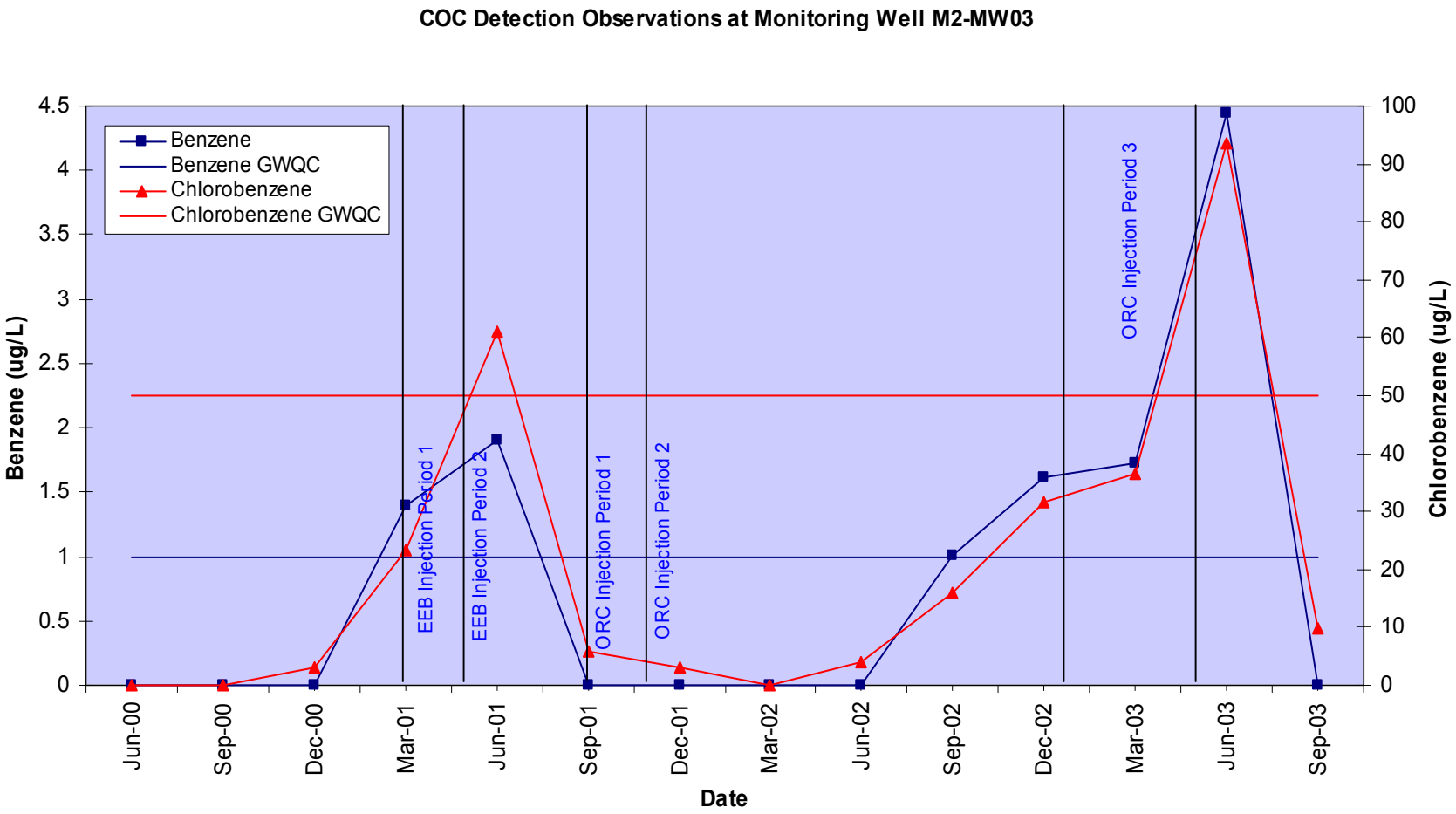
Horsham, PA 19044-2314
(215) 957-0955



Notes:
1) Concentration is shown in micrograms per liter (ug/L), equivalent to parts per billion.
2) Observed COC concentrations at well M2-MW03 are shown starting in June 2000.
3) For graphing purposes, the concentrations that were observed as non-detected (ND) are shown as zero (0) concentration.

FIGURE 5-3

COC Detection Observations at Well M2-MW03
M-2 Landfill Site
Fort Monmouth, New Jersey

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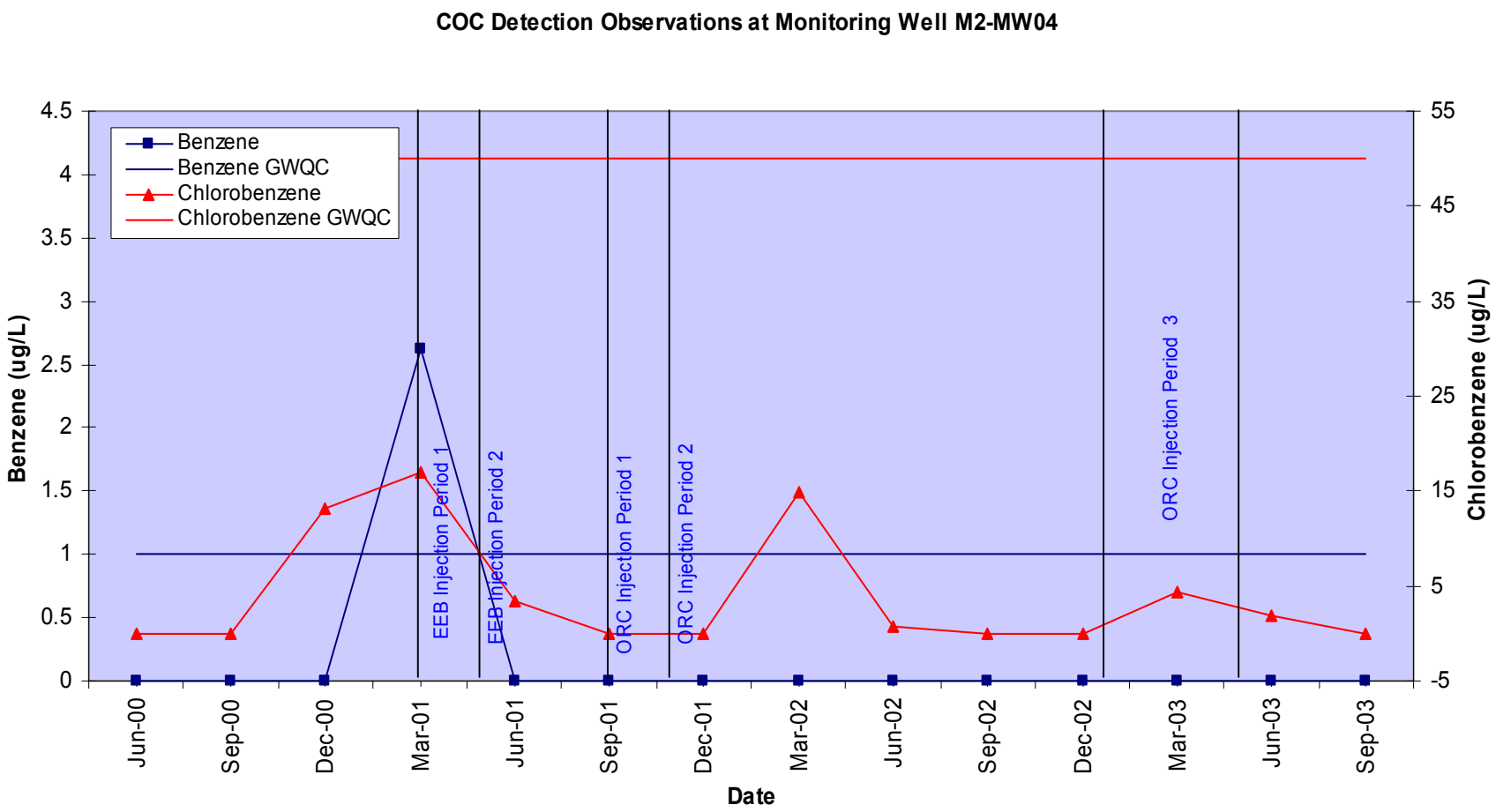

Notes:
1) Concentration is shown in micrograms per liter (ug/L), equivalent to parts per billion.
2) Observed COC concentrations at well M2-MW04 are shown starting in June 2000.
3) For graphing purposes, the concentrations that were observed as non-detected (ND) are shown as zero (0) concentration.

FIGURE 5-4

COC Detection Observations at Well M2-MW04
M-2 Landfill Site
Fort Monmouth, New Jersey

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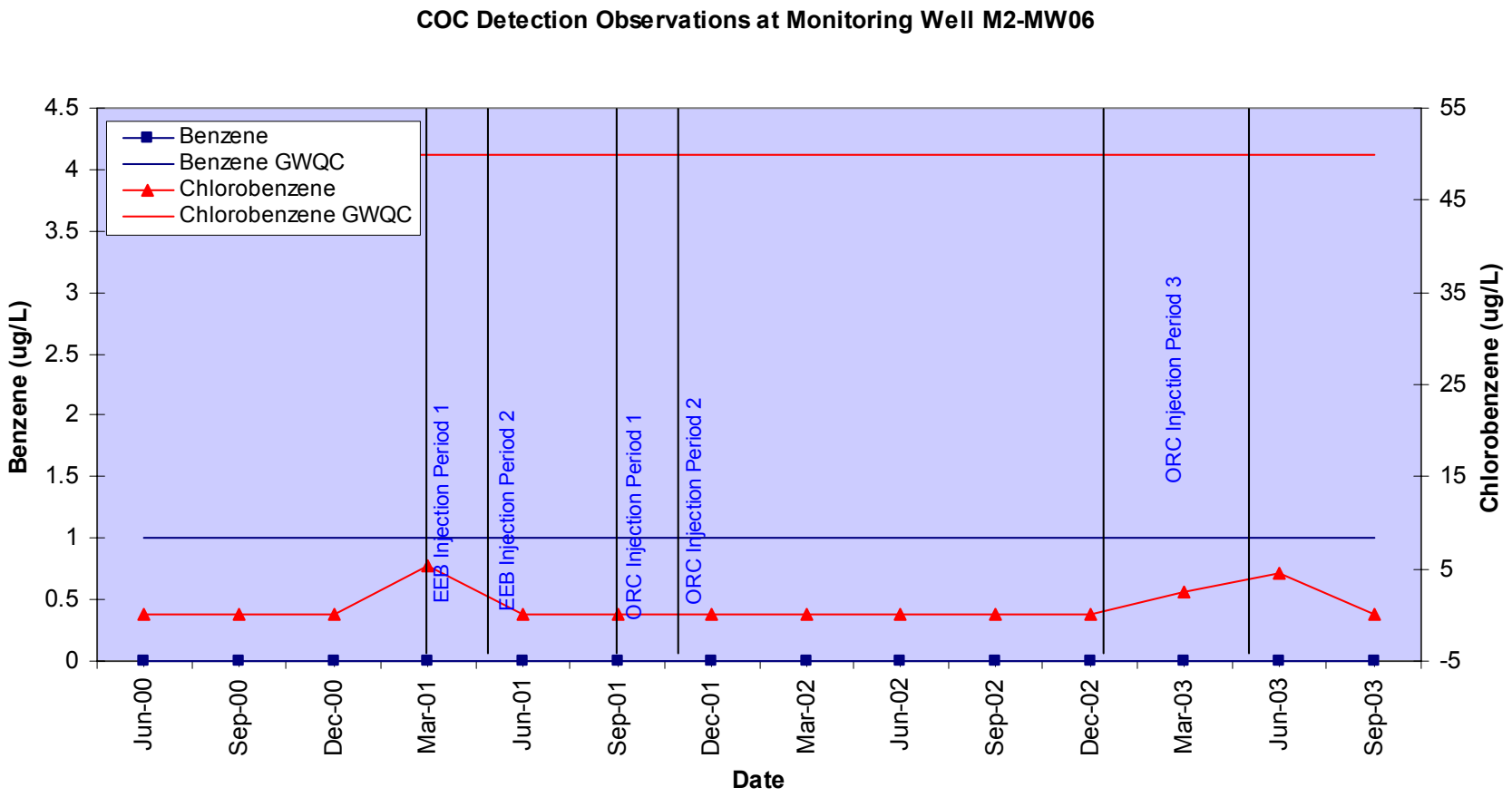

Notes:
1) Concentration is shown in micrograms per liter (ug/L), equivalent to parts per billion.
2) Observed COC concentrations at well M2-MW06 are shown starting in June 2000.
3) For graphing purposes, the concentrations that were observed as non-detected (ND) are shown as zero (0) concentration.

FIGURE 5-5

COC Detection Observations at Well M2-MW06
M-2 Landfill Site
Fort Monmouth, New Jersey

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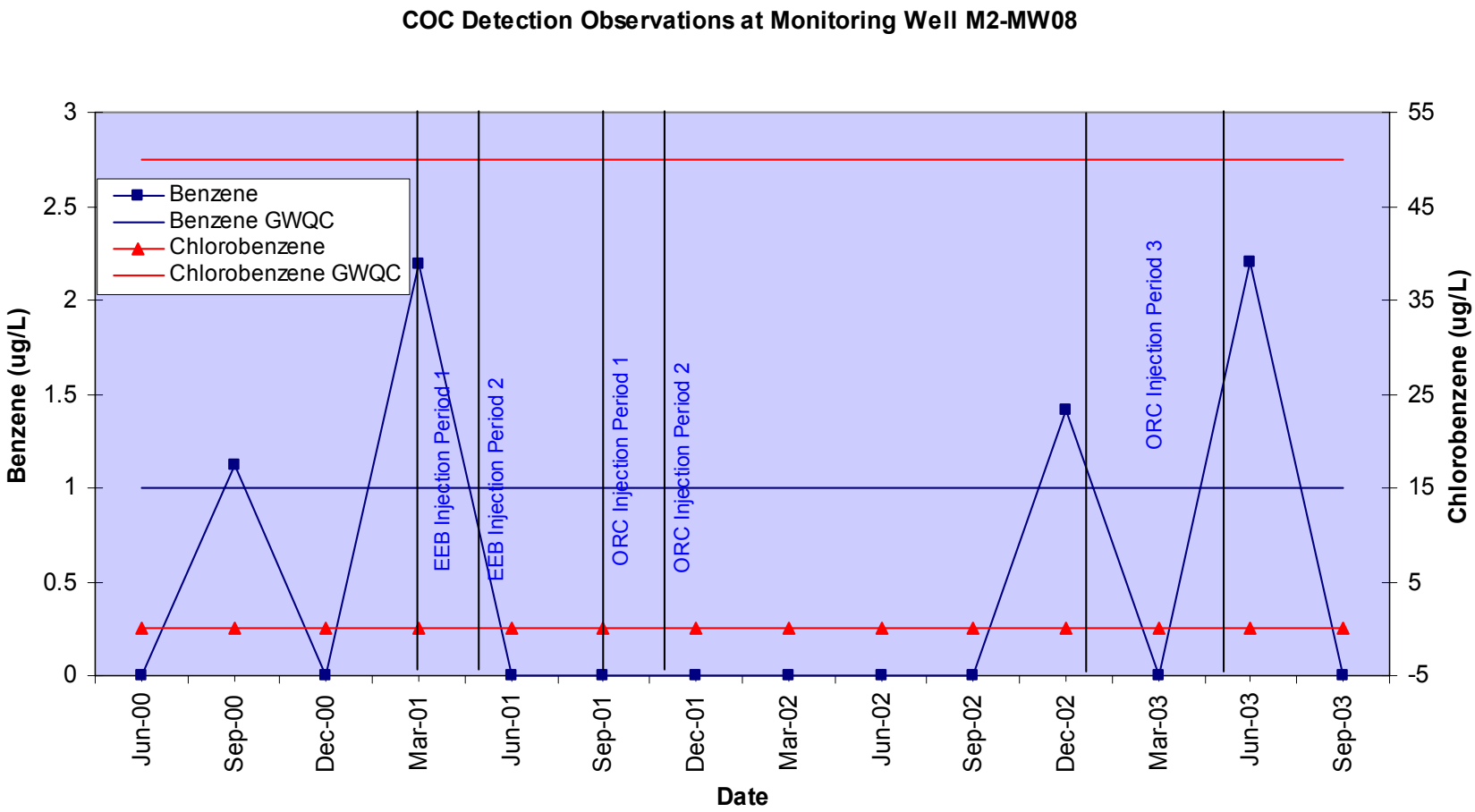

Notes:
1) Concentration is shown in micrograms per liter (ug/L), equivalent to parts per billion.
2) Observed COC concentrations at well M2-MW08 are shown starting in June 2000.
3) For graphing purposes, the concentrations that were observed as non-detected (ND) are shown as zero (0) concentration.

FIGURE 5-6

COC Detection Observations at Well M2-MW08
M-2 Landfill Site
Fort Monmouth, New Jersey

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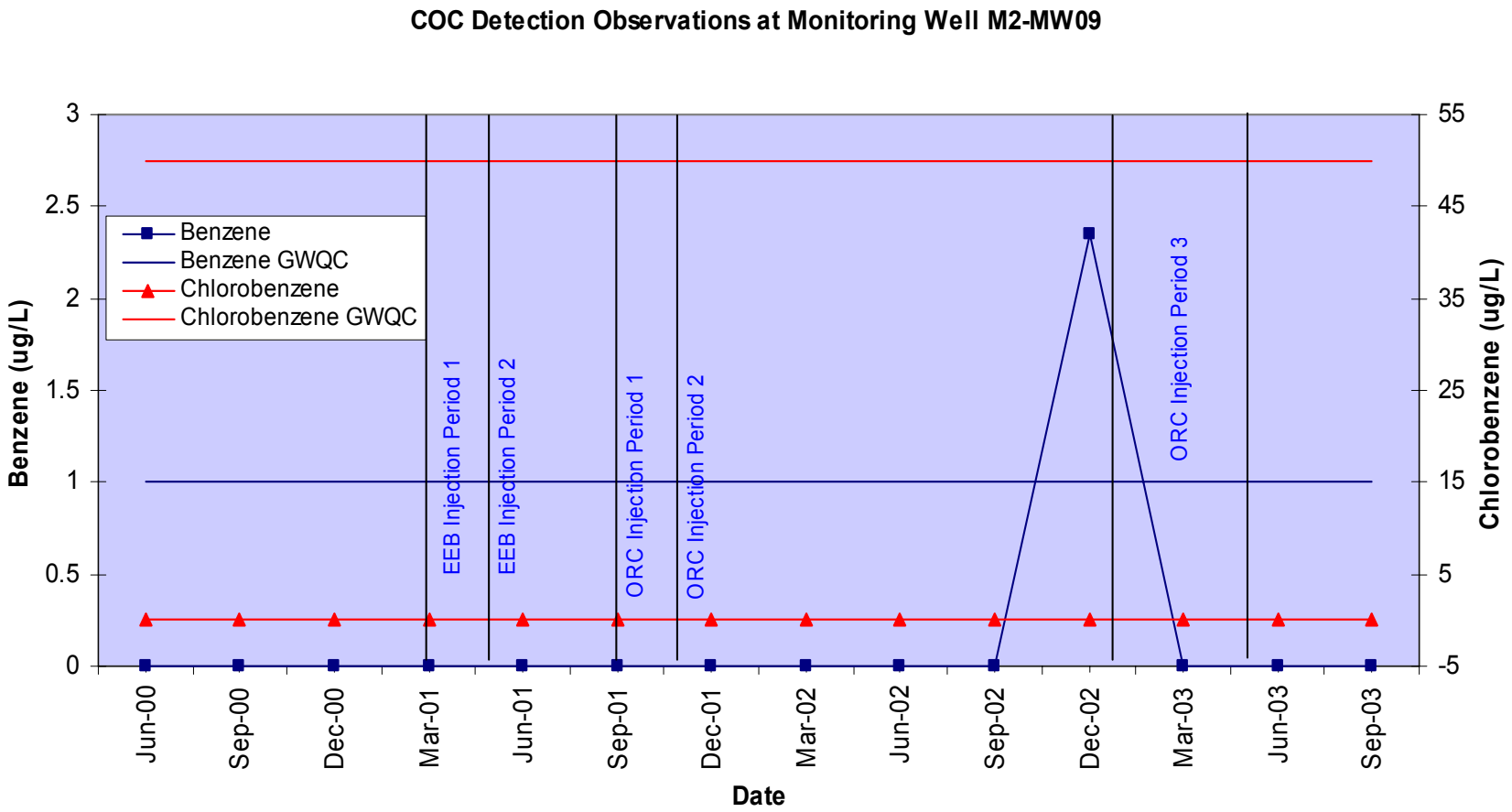

Notes:
1) Concentration is shown in micrograms per liter (ug/L), equivalent to parts per billion.
2) Observed COC concentrations at well M2-MW09 are shown starting in June 2000.
3) For graphing purposes, the concentrations that were observed as non-detected (ND) are shown as zero (0) concentration.

FIGURE 5-7

COC Detection Observations at Well M2-MW09
M-2 Landfill Site
Fort Monmouth, New Jersey

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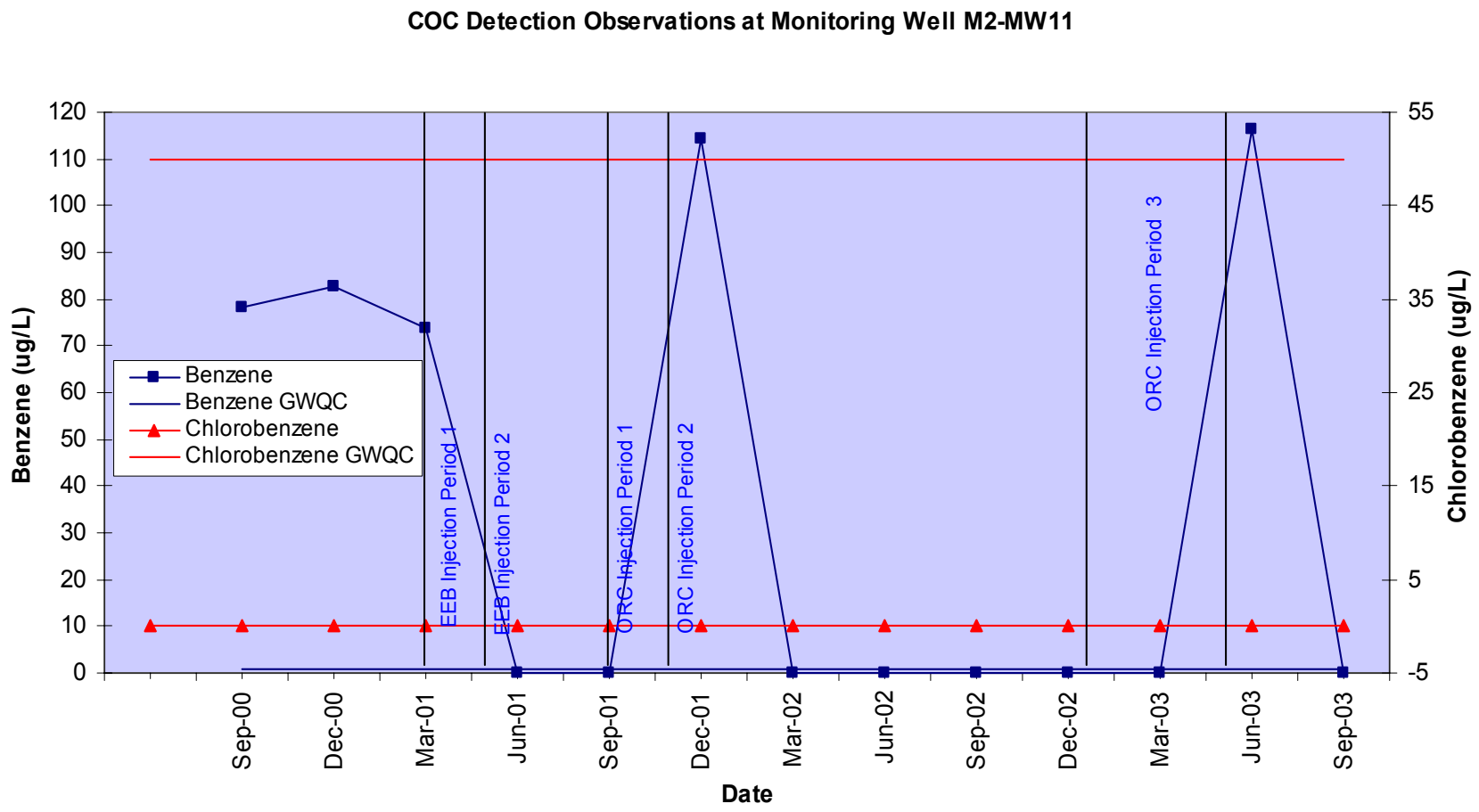

Notes:
1) Concentration is shown in micrograms per liter (ug/L), equivalent to parts per billion.
2) Observed COC concentrations at well M2-MW11 are shown starting in June 2000 for Chlorobenzene and September 2000 for Benzene.
3) For graphing purposes, the concentrations that were observed as non-detected (ND) are shown as zero (0) concentration.

FIGURE 5-8

COC Detection Observations at Well M2-MW11
M-2 Landfill Site
Fort Monmouth, New Jersey

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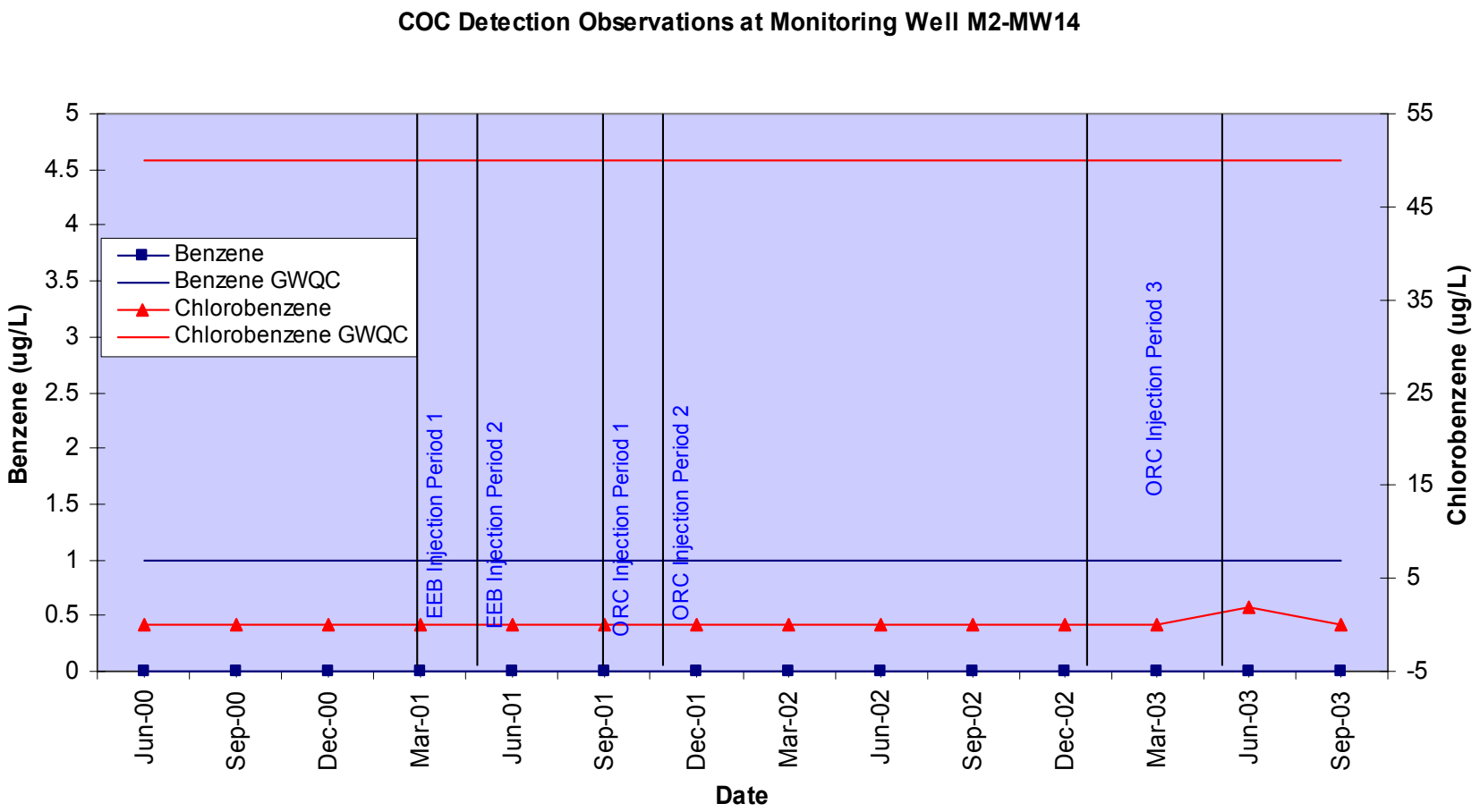

Notes:
1) Concentration is shown in micrograms per liter (ug/L), equivalent to parts per billion.
2) Observed COC concentrations at well M2-MW14 are shown starting in June 2000.
3) For graphing purposes, the concentrations that were observed as non-detected (ND) are shown as zero (0) concentration.

FIGURE 5-9

COC Detection Observations at Well M2-MW14
M-2 Landfill Site
Fort Monmouth, New Jersey

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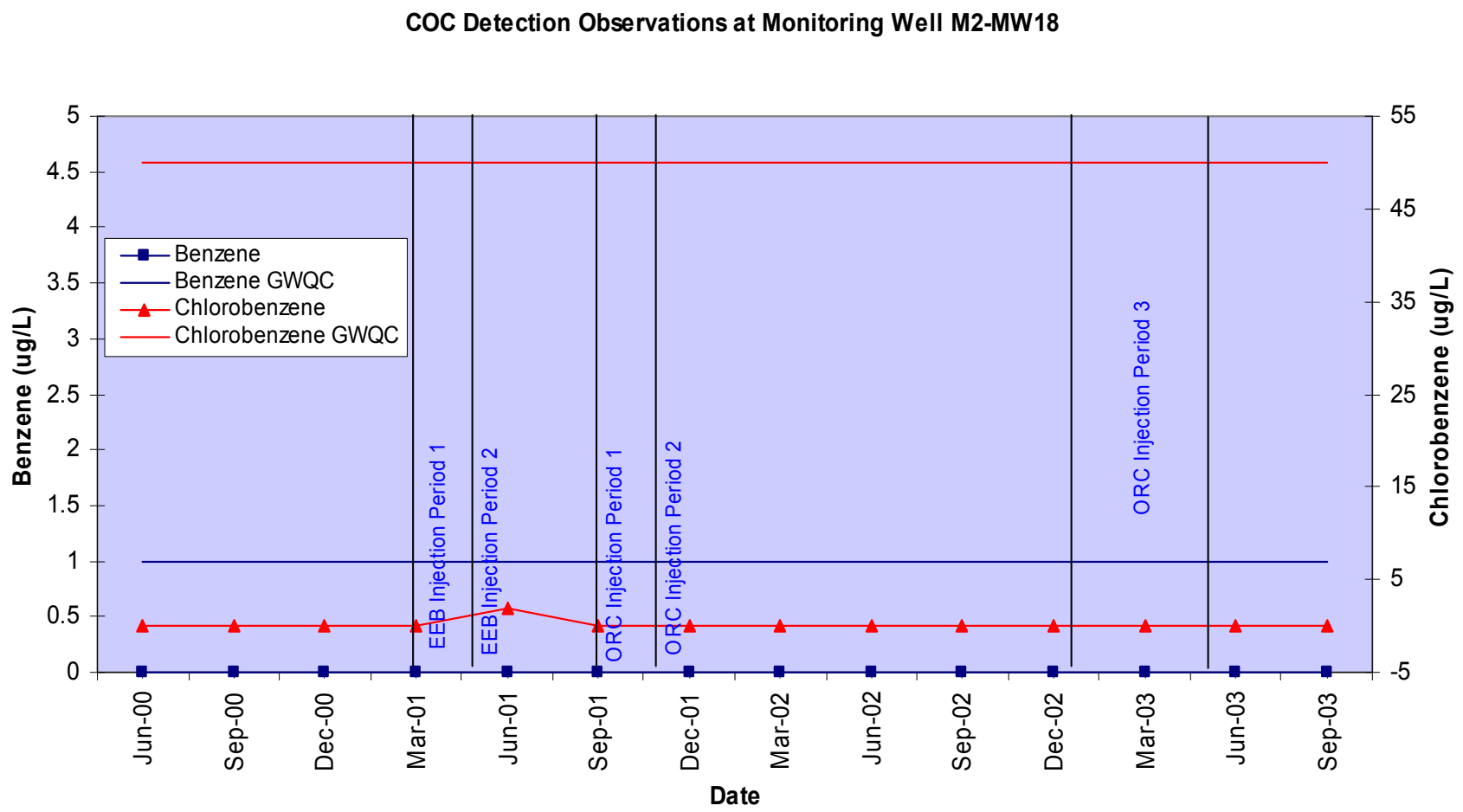
Horsham, PA 19044-2314
(215) 957-0955



Notes:
1) Concentration is shown in micrograms per liter (ug/L), equivalent to parts per billion.
2) Observed COC concentrations at well M2-MW18 are shown starting in June 2000.
3) For graphing purposes, the concentrations that were observed as non-detected (ND) are shown as zero (0) concentration.

FIGURE 5-10

COC Detection Observations at Well M2-MW18
M-2 Landfill Site
Fort Monmouth, New Jersey

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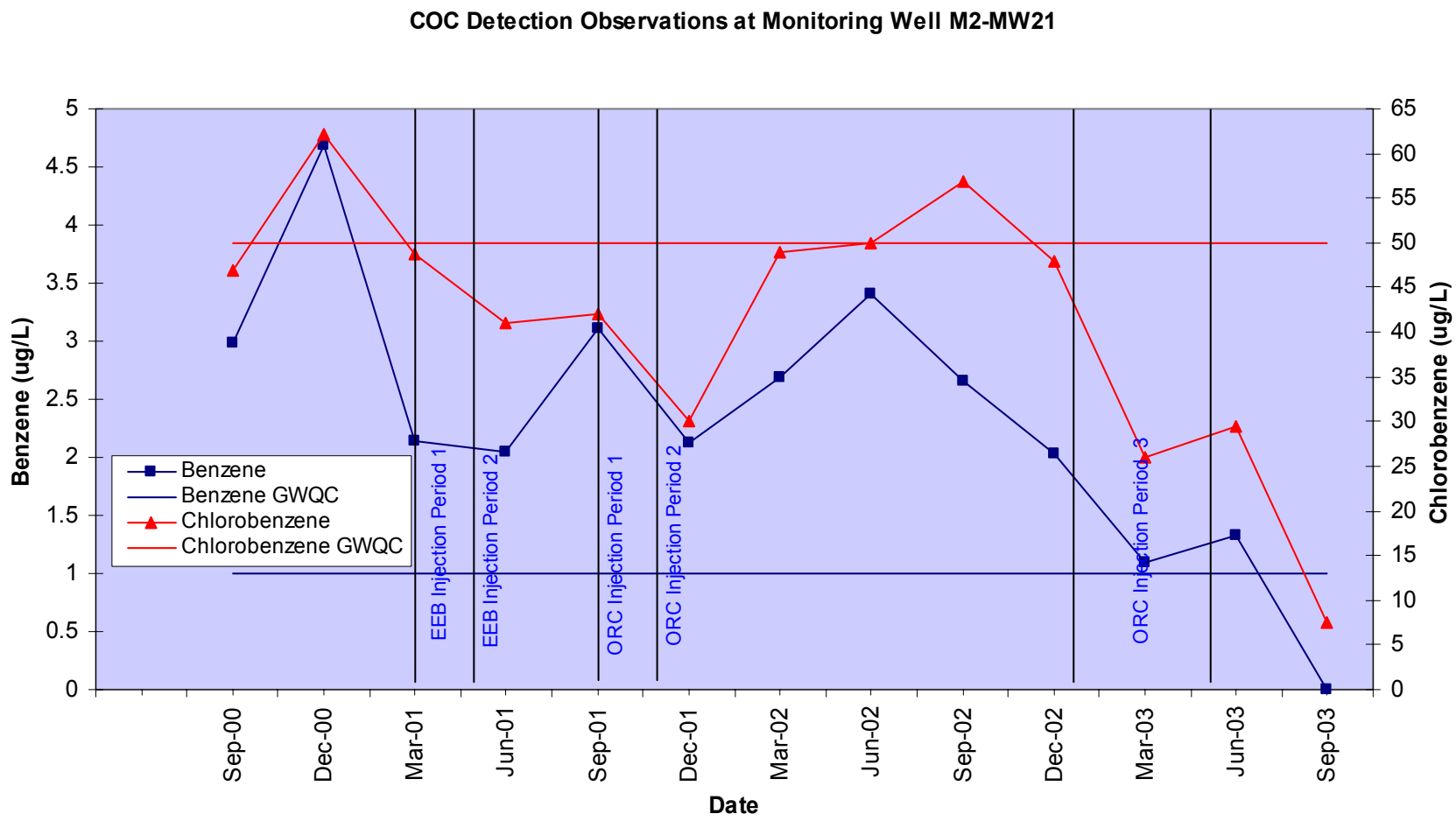
(215) 957-0955



Notes:
1) Concentration is shown in micrograms per liter (ug/L), equivalent to parts per billion.
2) Observed COC concentrations at well M2-MW21 are shown starting in September 2000.
3) For graphing purposes, the concentrations that were observed as non-detected (ND) are shown as zero (0) concentration.

FIGURE 5-11

COC Detection Observations at Well M2-MW21
M-2 Landfill Site
Fort Monmouth, New Jersey

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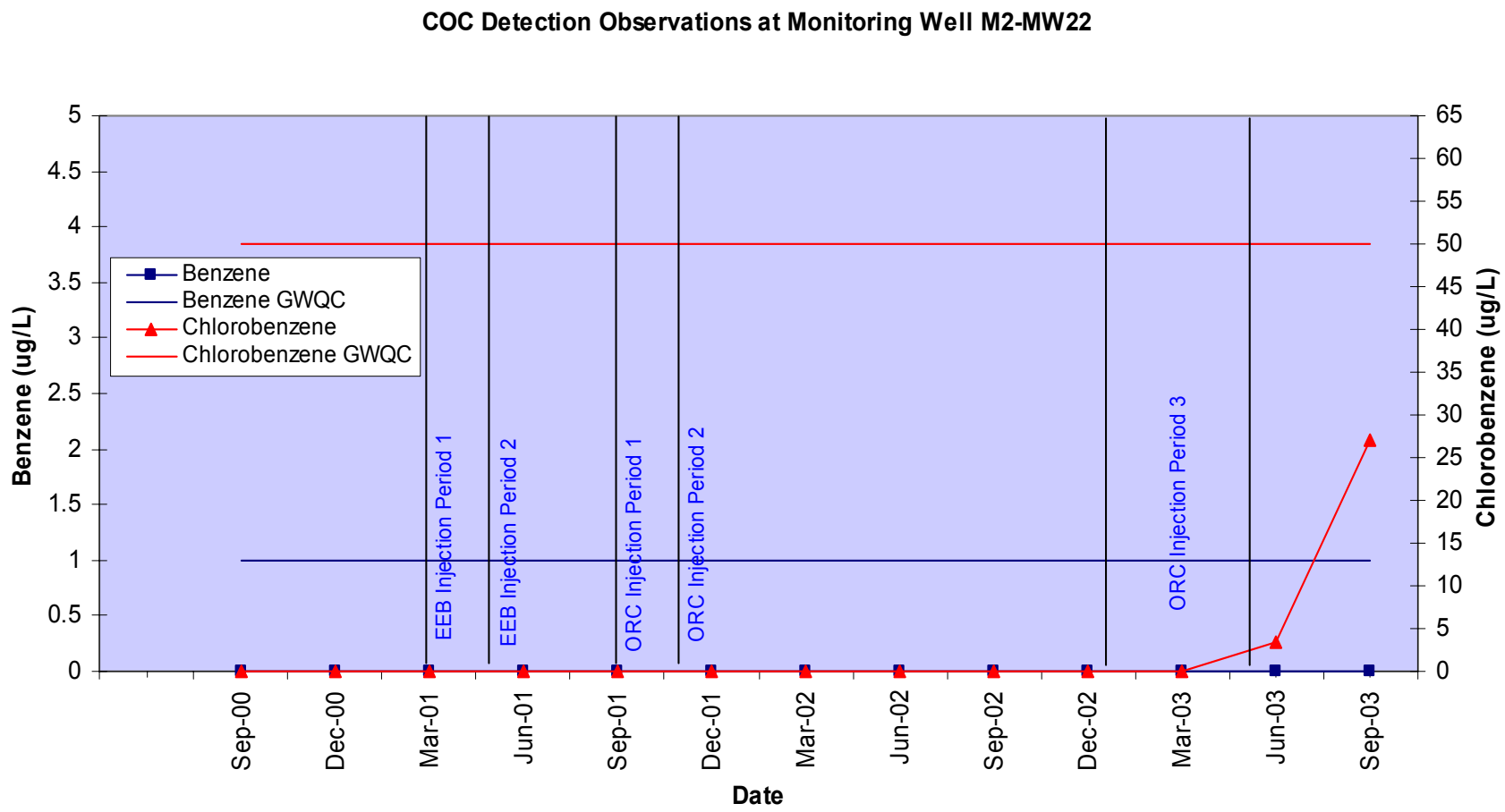
(215) 957-0955



Notes:
1) Concentration is shown in micrograms per liter (ug/L), equivalent to parts per billion.
2) Observed COC concentrations at well M2-MW22 are shown starting in September 2000.
3) For graphing purposes, the concentrations that were observed as non-detected (ND) are shown as zero (0) concentration.

FIGURE 5-12

COC Detection Observations at Well M2-MW22
M-2 Landfill Site
Fort Monmouth, New Jersey

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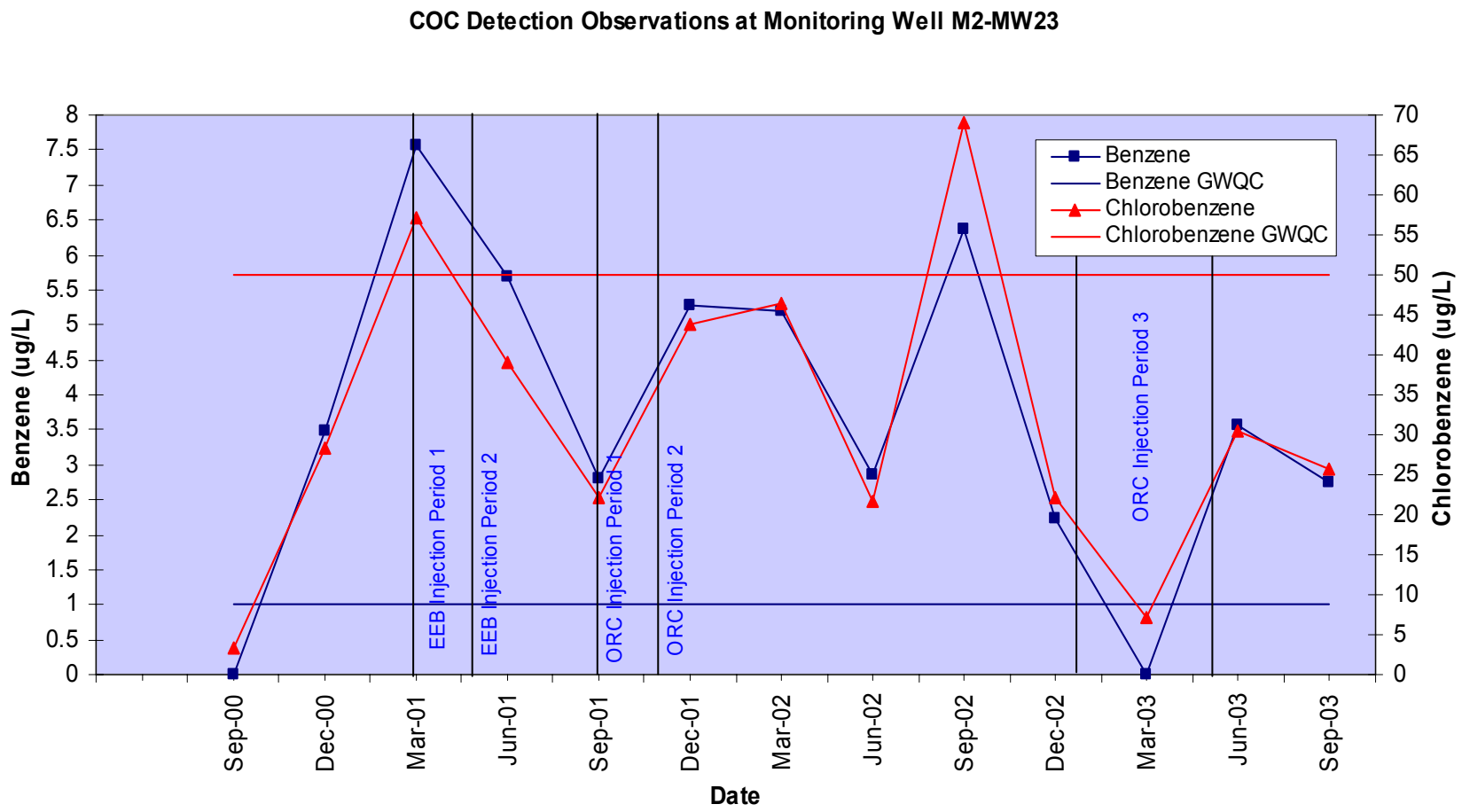
(215) 957-0955



Notes:
1) Concentration is shown in micrograms per liter (ug/L), equivalent to parts per billion.
2) Observed COC concentrations at well M2-MW23 are shown starting in September 2000.
3) For graphing purposes, the concentrations that were observed as non-detected (ND) are shown as zero (0) concentration.

FIGURE 5-13

COC Detection Observations at Well M2-MW23
M-2 Landfill Site
Fort Monmouth, New Jersey

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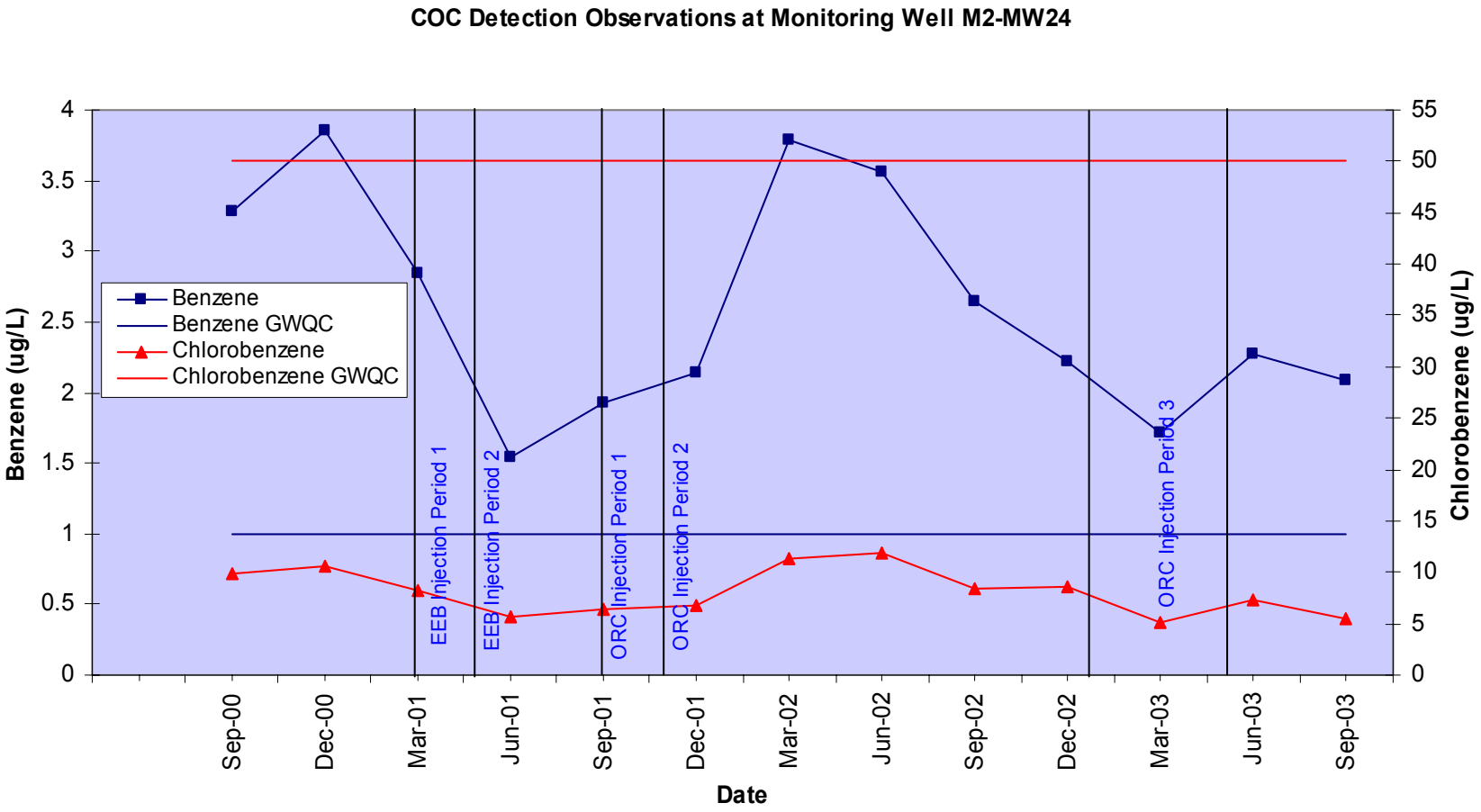

Notes:
1) Concentration is shown in micrograms per liter (ug/L), equivalent to parts per billion.
2) Observed COC concentrations at well M2-MW24 are shown starting in September 2000.
3) For graphing purposes, the concentrations that were observed as non-detected (ND) are shown as zero (0) concentration.

FIGURE 5-14

COC Detection Observations at Well M2-MW24
M-2 Landfill Site
Fort Monmouth, New Jersey

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

APPENDICES

Appendix A

VERSAR, Inc., January 2001. *Remedial Action Workplan – Landfill M-2, Main Post, Fort Monmouth, New Jersey*

Versar INC.

29 January 2001

U.S. Army Garrison Fort Monmouth
Directorate of Public Works
Building 173
Fort Monmouth, NJ 07703

ATTN: Mr. Joseph Fallon, CHMM

Reference: Contract No. DACA51-00-D-0004, Indefinite Delivery Contract, Architect-Engineer Services for Fort Monmouth Boundaries and Supporting Areas; Delivery Order 0003 – Contract Support Services Relating to the Oversight of Groundwater Well Installation, Remedial Investigation Report and Remedial Action Plan for the M-2 Landfill

Subject: **FINAL Remedial Investigation Report & Remedial Action Workplan for M-2 Landfill**

Dear Mr. Fallon:

Enclosed please find six (6) copies of the FINAL Remedial Investigation Report (RIR) & Remedial Action Workplan (RAW) and Analytical Data Packages for the M-2 Landfill at the Main Post Area, U.S. Army Garrison, Fort Monmouth, New Jersey.

Should you have any questions or require further information, please do not hesitate to contact us at 215-788-7844, Extension 225 and 234, respectively.

Sincerely,

VERSAR, INC.

Steven Egnaczyk
Project Manager

David V. Stockar, P.G.
Deputy Program Manager

Enclosure
cc: Project File 4936 – 103
G. J. Anastos
D. Ashline

2558 PEARL BUCK ROAD • SUITE 1 • BRISTOL, PENNSYLVANIA 19007-6894 • TELEPHONE (215) 788-7844 • FAX (215) 788-8680

United States Army

Fort Monmouth, New Jersey

Remedial Investigation Report & Remedial Action Workplan

M-2 Landfill

JANUARY 2001

REMEDIAL INVESTIGATION REPORT
&
REMEDIAL ACTION WORKPLAN

M-2 LANDFILL

PREPARED FOR:

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

PREPARED BY:

Versar INC.

2558 PEARL BUCK ROAD
SUITE 1
BRISTOL, PA 19007

JANUARY 2001

VERSAR PROJECT NO. 4936.103

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EXECUTIVE SUMMARY

Versar, Inc. (Versar) is supporting the United States (U.S.) Army Fort Monmouth (Fort Monmouth), Directorate of Public Works (DPW), Monmouth County, New Jersey by preparing a Remedial Investigation Report (RIR) and Remedial Action Workplan (RAW) for the M-2 Landfill. The RIR/RAW is based on work performed by Versar in the summer of 2000, TECOM-Vinnell Services (TVS) in February 1999, and work completed by Roy F. Weston, Inc. (WESTON) in 1995. Versar's evaluation of surface and near-surface soils at the M-2 Landfill site is summarized in a separate RIR entitled, *Remedial Investigation Report for Near-Surface Soils, M-2 Landfill, Draft Report, July 2000.* This report will be submitted under separate cover at a later date.

The M-2 Landfill is located in the southwestern corner of the Main Post area of Fort Monmouth and is approximately 6.5 acres in size. The M-2 Landfill was used between 1964 and 1968 (and possibly into 1969) for general disposal of domestic and industrial wastes (i.e., oil cans, oil burner filters, soot, metal and building rubble). The DPW closed the M-2 Landfill circa 1969. The site is currently stable and supports vegetative growth (i.e., grass, trees, brush), is fenced on three sides, and adjoins Mill Creek to the north.

The M-2 Landfill was first identified as a suspected hazardous waste site at Fort Monmouth in a report prepared by the U.S Army Toxic and Hazardous Materials Agency (USATHAMA) in 1980. WESTON conducted a background investigation on the initially identified sites including the M-2 Landfill and recommended additional investigation. WESTON then performed Site Investigation (SI) activities at the M-2 Landfill. WESTON's findings and recommendations are described in a report entitled, *Site Investigation Report, Fort Monmouth, New Jersey – Main Post and Charles Wood Areas* (December 1995).

Based on the findings of the SI, additional soil and groundwater sampling was performed and a remedial investigation of the landfill was implemented. The following remedial investigation approach was established for the M-2 Landfill:

- Perform a Geoprobe® investigation of the soils and groundwater within the landfill to characterize the near-surface and subsurface soils, the landfill cover materials, and the shallow groundwater to determine whether a source area exists for the volatile organic compounds (VOC) in the groundwater and the stream reported in the SI.
- Install additional groundwater monitoring wells and perform slug and pump tests to determine the aquifer characteristics of the shallow saturated zone beneath the M-2 Landfill. Incorporate the new wells into the quarterly groundwater monitoring program.
- Continue the quarterly surface water sampling. In addition, collect sediment samples at selected locations as well as surface water samples to evaluate potential impact to the stream from the contaminants of concern (COC) detected in the soils and shallow groundwater of the landfill and also to evaluate potential upstream sources of COC.

Sampling of the surface and subsurface soils, groundwater, surface water, and sediment at the M-2 Landfill has delineated the degree and magnitude of potential contaminants. Exceedences of NJDEP Residential Direct Contact Soil Cleanup Criteria (RDCSCC) are identified in the near

surface soils for semi-volatile organics (SVOC), pesticides/polychlorinated biphenyls (PCB), and metals within the landfill. Evaluation of the analytical results did not define a "source area" or level of contamination that necessitated the identification and evaluation of potential remedial actions and no further action is recommended for the near surface soils.

Analyses of deeper soils in the landfill indicated that only PCB in a few scattered locations were detected at concentrations above the RDCSCC. No other compound exceedences were detected in the deeper soils. Sediment and surface water samples were collected from Mill Creek and at locations along the border of the M-2 Landfill to evaluate the potential impact to the stream from the PCB detected in the soils and shallow groundwater of the landfill. PCB were not detected in the sediment or surface water samples above the Lowest Effect Level for PCB listed in the NJDEP's *Guidance for Sediment Quality Evaluations*.

Surface water samples from Mill Creek consistently indicated the presence of PCE and TCE at concentrations slightly above the SWQC of 0.388 micrograms/liter (ug/L) and 1.09 ug/L, respectively. These compounds were not detected in the groundwater beneath the M-2 Landfill. TCE and PCE are presumed to originate from a separate source upgradient of the M-2 Landfill and beyond the boundary of Fort Monmouth.

The findings of the RIR show that shallow groundwater within the defined boundary of the M-2 Landfill exceeds the respective GWQC for benzene and chlorobenzene. These VOC were consistently detected in groundwater samples collected from onsite monitoring wells, but were not detected in Mill Creek, the most significant potential receptor. Some native metal constituents, principally aluminum, iron and manganese, were also elevated, but the detected concentrations are comparable to the Fort Monmouth Maximum Background Concentrations (established for the Main Post during the SI) and regional background conditions.

The DPW is proposing the designation of a Classification Exception Area (CEA) at the M-2 Landfill site. The horizontal and vertical extent of the CEA has been identified by the analysis of existing data to determine the probable maximum extent of future contamination at concentrations above the GWQC. The CEA Proposal includes fate and transport modeling that predicts the future attenuation and migration of contaminants. Based on the analytical data and the fate and transport models used to simulate future conditions, it is predicted that the maximum extent of contamination will never be significantly larger than the current extent of contamination. The CEA Proposal established that a period of 5 to 9 years will be required for the contaminant concentrations to degrade to less than the respective GWQC for benzene and chlorobenzene and further, that benzene and chlorobenzene will not migrate beyond the boundaries of the M-2 Landfill site in the timeframes calculated. Therefore, natural attenuation provides a technically defensible argument for "No Further Action" at the M-2 Landfill. However, the DPW prefers to accelerate the natural attenuation processes and has elected to evaluate several technologies to enhance remediation of the shallow groundwater. The results of this evaluation are presented in a RAW.

The RI findings supported the following remedial action objectives:

- The current institutional controls in place at the M-2 Landfill (i.e., the site is located on an Army-controlled installation and is surrounded on three sides with a six-foot high chain link fence and on the fourth side by Mill Creek) limit direct contact with the site and will be maintained. Periodic inspections of the fencing and landfill cover will be continued.
- Groundwater and surface water monitoring will be continued to demonstrate that contaminant degradation due to natural attenuation is an ongoing process.
- Natural attenuation occurring at the landfill will be enhanced and/or accelerated to more directly mitigate residual levels of benzene and chlorobenzene in the shallow groundwater. While the results of the CEA show that the COC will not migrate beyond the boundaries of the site, nor will the limits of the plume exceed New Jersey GWQC, the DPW has elected to undertake a proactive remedial approach, which is fully presented in the RAW.

The following remedial action alternatives/in-situ remedial technologies were evaluated during preparation of the RAW:

1. Chemical Treatment – Oxygen Release Compound (ORC) and Fenton Reagents;
2. Bioremediation – specifically Enzyme-Enhanced Bioremediation (EEB); and
3. Monitored Natural Attenuation.

The RAW recommends that natural attenuation occurring at the landfill be enhanced through implementation of EEB. The DPW will implement an EEB program over approximately one-half of the overall landfill site specifically targeting six distinct areas where concentrations of benzene and chlorobenzene were detected in the shallow groundwater above the GWQC. EEB will consist of a 2-stage injection of biological enhancements followed by injection of ORC after 30-days to supplement free oxygen. Following a 12-month treatment period, performance sampling will be conducted to evaluate the effectiveness of the remedial action implementation. The results and findings of the proposed remedial action will then be presented in a Remedial Action Report.

To address the PCB concentrations detected in soil at the M-2 Landfill, the DPW will incorporate a document equivalent to a Declaration of Environmental Restriction (DER) into the Fort Monmouth Installation Master Plan for soils containing PCB to restrict site development and future use of the M-2 Landfill site, and formally recognize the planned long-term monitoring of this area. The DPW is the lead agency for all land use issues at Fort Monmouth. A formal DER cannot be established since Fort Monmouth is a Federal facility and, as such, no deed exists.

By submittal of this Report, Fort Monmouth is requesting written approval for Permit-by-Rule for the proposed EEB and ORC application and discharge to groundwater. Fort Monmouth is also requesting approval for the proposed remedial action at the M-2 Landfill and, more specifically, the injection of biological enhancements and ORC. Therefore, an exemption from the requirement to submit a Sanitary Landfill Disruption Application is also requested.

SECTION 1.0
BACKGROUND INFORMATION

1.1 OVERVIEW

Versar, Inc. (Versar) has been contracted by the United States (U.S.) Army Fort Monmouth (Fort Monmouth), Directorate of Public Works (DPW), Monmouth County, New Jersey, to prepare a Remedial Investigation Report (RIR) and Remedial Action Workplan (RAW) for the M-2 Landfill, based on work performed by Versar in the summer of 2000, TECOM-Vinnell Services (TVS) in February 1999, and Roy F. Weston, Inc. (WESTON) in 1995. This report has been prepared in partial fulfillment of Contract No. DACA 51-00-D-004, Delivery Order No.0003.

The report is presented as follows:

Section 1 – Site description, historical information, and physical setting.
Section 2 – Technical overview.
Section 3 – Remedial Investigation Report.
Section 4 – Remedial Action Workplan.
Section 5 – References.

1.2 SITE DESCRIPTION

Fort Monmouth is located in the central-eastern portion of New Jersey in Monmouth County, approximately 45 miles south of New York City and 70 miles northeast of Philadelphia **(Figure 1)**. In addition to the Main Post, the installation includes two subposts, the Charles Wood Area and Evans Area. The Main Post encompasses approximately 630 acres and is generally bounded by State Highway 35, Parkers Creek, Lafetra Brook, the New Jersey Transit Railroad, and a residential area to the south. The post was established in 1918 during World War I (WW I) as an Army Signal Corps training center. The Main Post currently provides administrative, training, and housing support functions, as well as providing many of the community facilities for Fort Monmouth. The primary mission of Fort Monmouth is to provide command, administrative, and logistical support for Headquarters, U.S. Army Communications and Electronics Command (CECOM). CECOM is a major subordinate command of the U.S. Army Materiel Command (AMC) and is the host tenant at Fort Monmouth.

The M-2 Landfill, comprised of 6.5 acres, is located on the south bank of Mill Creek in the southwestern corner of the Main Post area. According to a report prepared by the U.S Army Toxic and Hazardous Materials Agency (USATHAMA) entitled, *Installation Assessment of Fort Monmouth, Report 171,* dated May 1980, the M-2 Landfill was in use between 1964 and 1968 (and possibly into 1969) for general disposal of domestic and industrial wastes. The M-2 Landfill has reportedly been inactive since 1969. Since the landfill closure circa 1969, the past

30+ years have seen the growth and stabilization of vegetation (i.e., grass, trees, brush) on the M-2 Landfill. A site map is provided in **Figure 2.**

1.3 HISTORICAL INFORMATION

Suspected hazardous waste sites at Fort Monmouth were initially identified in the Installation Assessment (IA) (USATHAMA, 1980). This report identified 37 sites with known or suspected waste materials at Fort Monmouth. WESTON then conducted a background investigation on these sites and on eight additional sites, identified by Fort Monmouth and the NJDEP. WESTON's Report (WESTON, 1993) recommended additional investigations at 22 of the sites, including the M-2 Landfill, and NJDEP approved the recommendations on 20 April 1994. WESTON performed additional field investigation activities at these 22 sites, including the M-2 Landfill, 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 results of these investigation activities were presented in the WESTON Report entitled, *Final Site Investigation, Fort Monmouth, New Jersey, Main Post and Charles Wood Areas, Site Investigation Report*, December 1995.

As stated in the WESTON Report that investigated suspected waste sites at Fort Monmouth (WESTON, 1993) and the Site Investigation (SI) Report (WESTON, 1995), materials generally found in Main Post landfills included 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. In addition, specific wastes reportedly known to have been placed in the M-2 Landfill included oil in cans, oil burner filters, and soot. The banks along Mill Creek near the west end of the landfill had also reportedly been covered with building rubble (concrete, cinder blocks, etc.) to stabilize the bank.

1.4 PHYSICAL SETTING

The following is a description of the geological/hydrogeological setting of the area surrounding the M-2 Landfill. Included is a description of the regional geology of the area surrounding Fort Monmouth, as well as descriptions of the local geology and hydrogeology of the Main Post area. A geological map is provided as **Figure 3.**

1.4.1 Geology

Regional Geology

Monmouth County lies within the New Jersey Section of the Atlantic Coastal Plain physiographic province. The M-2 Landfill is located in what may be referred to as the Outer Coastal Plain subprovince, or the Outer Lowlands.

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

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

Local Geology

Based on the regional geologic map (Jablonski, 1968), the Cretaceous age Red Bank and Tinton Sands outcrop at the Main Post area. The Red Bank Sand conformably overlies the Navesink Formation and dips to the southeast at 35 ft 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 1969). Boring and monitoring well logs (**Appendix B**) for the sample borings and monitoring wells installed in the M-2 Landfill give descriptions for the soils at the site to consist of an earthen cover underlain by fill material. Beneath the fill is naturally occurring silty sand. Groundwater occurs beneath the site at a depth of approximately 8 ft. Natural soils beneath the fill are similar to the reported descriptions of the Tinton Sand member of the Red Band Sand.

The Kirkwood Formation (part of the Kirkwood-Cohansey system) crops out southeast of the Main Post and dips to the southeast at a slope of 20 ft per mile (Jablonski, 1968). The Kirkwood Formation consists of alternating layers of sand and clay. The upper unit is a light gray to yellowish-brown, fine-grained quartz sand with quartz nodules and small pebbles. The lower unit is a brown silt in Monmouth County (Jablonski, 1968).

1.4.2 Soils

According to the U.S. Department of Agriculture (USDA), Soil Conservation Service, Monmouth County Soil Survey, the majority of the Main Post is covered by urban land. The soil survey described urban land as areas where concrete, asphalt, buildings, shopping centers, airports, or other impervious surfaces cover 80 percent or more of the surface. In addition, the survey indicated that the natural subsurface soils have largely been replaced with artificial or foreign fill materials (developed land with disturbed soils). The following soil series and classification units are mapped in the Main Post area:

- DoB Downer sandy loam (with 2 to 5 percent slopes);
- FrB Freehold sandy loam (with 2 to 5 percent slopes);
- FUB Freehold sandy loam/urban land complex (with 0 to 10 percent slopes);
- HV Humaquepts, frequently flooded;
- KvA Kresson loam (with 0 to 5 percent slopes);
- UA Udorthents, smoothed; and
- UD Udorthents – urban land complex (with 0 to 3 percent slopes).

The Downer series soils are well-drained soils that are found on uplands and terraces. The soils are formed in acid, silty coastal plain sediments. The Freehold soils are also well drained and are formed in acid, loamy, coastal plain sediments that, by volume, are 1 to 10 percent glauconite and are found on uplands. The Humaquepts soils are somewhat poorly- to very poorly- drained soils that are formed in stratified, sandy, or loamy sediments of fluvial origins. The Humaquepts soils are located on the floodplain and are subject to flooding several times each year.. The Kresson loam is a nearly level to gently sloping soil and is somewhat poorly drained. The soil is found on low divides and in depressions. The Udorthents soils have been altered by excavation or filling activities. In filled areas, these soils consist of loamy material that is more than 20 inches thick. The filled areas include floodplain, tidal marshes, and areas with moderately, well drained to very poorly drained soils. Some Udorthent soils contain concrete, asphalt, metal, and glass.

1.4.3 Hydrogeology

Regional Hydrogeology

Fort Monmouth lies in the Atlantic and Eastern Gulf Coastal Plain groundwater region (Meisler et al., 1988). This groundwater region is underlain by undeformed, unconsolidated to semi-consolidated sedimentary deposits. The chemistry of the water near the surface is variable with low dissolved solids and high iron concentrations. The water chemistry in areas underlain by glauconitic sediments (such as Red Bank and Tinton Sands) is dominated by calcium, magnesium, and iron. The sediments in the area of Fort Monmouth were deposited in fluvia-deltaic to nearshore environments.

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.

Well records indicate that wells installed in the Red Bank and Tinton Sands produce 2 to 25 gallons per minute (gpm). Water in these upper hydrogeologic units is typically encountered at shallow depths below ground surface (2 to 9 ft bgs). However, domestic wells are generally screened deeper in these upper hydrogeologic units. The shallow water table conditions in the Tinton and Red Bank Sands, and the similar composition of these sands within the Kirkwood Formation, suggest that the Tinton-Red Bank-Kirkwood sequence forms a single, laterally continuous aquifer. Water in this water table aquifer will flow east toward the Atlantic Ocean. Local topography will tend to deflect the flow toward local depressions.

As stated in the SI Report (WESTON, 1995), NJAC 7:9-6, *Groundwater Quality Standards*, establishes groundwater criteria for different classes of groundwater. Class II-A, which is defined as all groundwater that is not classified as one of the other special classes, is the class for groundwater at Fort Monmouth. The primary designated use for Class II-A groundwater is potable water; secondary uses include agricultural and industrial water.

Local Hydrogeology

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

- Tidal influence (based on proximity to the Atlantic Ocean, rivers, and tributaries)
- Topography
- Nature of the fill material within the Main Post area
- Presence of clay and silt lenses in the natural overburden deposits
- Local groundwater recharge areas (i.e., streams, lakes)

Due to the fluvial nature of the overburden deposits (i.e., sand and clay lenses), shallow groundwater flow direction is best determined on a case-by-case basis. The groundwater flow in the vicinity of the M-2 Landfill has been determined to be north-northwest towards Mill Creek.

1.4.4 Topography

Over the last 80 years, the natural topography of Fort Monmouth has been altered by excavation and filling activities by the military. The land surface at the Main Post is relatively flat and ranges in elevation from 4 ft above mean sea level (msl) in the east at Oceanport Creek to 32 ft msl at the western end of the post, near Highway 35. The eastern half of the post is generally 10 ft msl in elevation.

1.4.5 Surface Water and Wetlands

Surface water runoff from the western part of the Main Post flows into the Lafetra Creek to the north or into the Mill Creek to the south. The USGS map (**Figure 1**) shows the Lafetra Creek as Parkers Creek Branch and Mill Creek as Wampum. Both Mill and Lafetra Creek originate off-post. Mill Creek flows along the southern boundary of the Main Post, turning north just past the Auto Craft Shop. Mill Creek is channelized and flows past the north side of the M-2 Landfill. Lafetra Creek forms the northern boundary of the Main Post and joins Mill Creek to form Parkers Creek. Parkers Creek flows eastward along the northern boundary and joins Oceanport Creek east of the post. Most of Parkers Creek, Lafetra Creek, and Mill Creek are tidally influenced.

The U.S Fish and Wildlife Service (FWS) National Wetland Inventory Long Branch quadrangle maps indicate the presence of wetlands at the Main Post. Parkers and Oceanport Creeks are classified as estuarine intertidal aquatic beds. The area of Parkers Creek and the part of Oceanport Creek/Husky Brook are classified as estuarine intertidal emergent wetlands. Lafetra Creek and Mill Creek are classified as riverine lower perennial open water/unknown bottom.

SECTION 2.0
TECHNICAL OVERVIEW

2.1 SITE INVESTIGATION SUMMARY

The investigation activities performed by WESTON at the M-2 Landfill in support of the SI included sampling of two surface-water locations, installation and sampling of three monitoring wells (MW-1, MW-2, and MW-3), and tidal monitoring. Two rounds of groundwater samples and one round of surface-water samples were collected and analyzed for Target Compound List (TCL) + 30 parameters (which include volatile organic compounds (VOC), semi-volatile organic compounds (SVOC), pesticides, polychlorinated biphenyls (PCB)), Target Analyte List (TAL) metals, and cyanide.

In addition, during performance of the SI, a total of ten groundwater and soil background samples and two sediment and surface water samples were taken on both Charles Wood and the Main Post. Maximum background concentrations were then established and reported in the SI for soil, groundwater, surface water, and sediment at the Main Post and Charles Wood Areas at Fort Monmouth for use in evaluating the analytical results from the SI (Tables 4.1-6 through 4.1-9, WESTON, 1995). (NOTE: References in this Report to maximum background concentrations refer to the Fort Monmouth – Main Post Maximum Background Concentrations presented in the SI Report, WESTON, 1995).

The SI findings of groundwater and surface water sampling were as follows:

<u>Groundwater</u>

Chlorobenzene (CB) was the only VOC detected in the groundwater at the M-2 Landfill. CB was detected at concentrations exceeding the NJDEP GWQC from both sampling rounds in MW-2 and MW-3. CB was not detected in the first sampling round in MW-1, but was detected in the second sampling round in exceedence of the NJDEP GWQC.

SVOC, pesticides, and cyanide were not detected above the laboratory quantitation limits in either sampling round.

Twenty metals were detected in site groundwater, however, only five (aluminum, arsenic, iron, manganese, and lead) were found at concentrations exceeding the NJDEP GWQC. However, for the most part, the five metals were found at concentrations below maximum background concentrations.

The table below summarizes the analytical results from the SI of the samples and averaged concentrations of compounds detected above both the New Jersey GWQC and maximum background concentrations.

Monitoring Well Analytical Data Summary Table - 1995

Compound	NJDEP Groundwater Criteria	Site Background Concentrations	Analytical Results (ug/L) 2/15/95, 3/8/95		
			MW-1 (avg.)	MW-2 (avg.)	MW-3 (avg.)
VOC (ug/L)					
Chlorobenzene	4	ND	**17.5**	**29**	**10**
Metals (ug/L)					
Aluminum	200	121000	**5355R**	**2061.5**	**1616.5**
Arsenic	8	89.3	**8.95**	--	--
Iron	300	431000	**15900**	**61250**	**20450**
Manganese	50	331	**78.55**	**286.5**	**483.5****
Lead	10	22.7	--	**11.55***	**14.8**

Source: WESTON, 1995
ug/L - micrograms/liter
* **11.55 ug/L** – New Jersey GWQC exceedence
** **483.5 ug/L** – Background exceedence

Surface Water

Tetrachloroethene (PCE) and trichloroethene (TCE) were the only VOC detected. They were both detected at locations SW-1 and SW-2 at concentrations in the unfiltered samples greater than the NJDEP freshwater criteria and maximum background concentrations.

Bis(2-ethylhexyl) phthalate was the only SVOC detected and at a concentration greater than the NJDEP freshwater criteria and maximum background concentrations at location SW-2, but this detection was considered attributable to sampling or laboratory contamination.

Pesticides and PCB were not detected in the surface water samples.

Of the 13 metals detected in the surface water samples, only the filtered lead sample was found at a concentration greater than the NJDEP freshwater criteria and maximum background concentration.

The table below summarizes the analytical data for the stream and sediment sampling performed during the SI.

Stream & Sediment Analytical Data Summary Table - 1994

Compound	NJDEP Freshwater Criteria	Site Maximum Background (total)	Site Background (soluble)	Analytical Results (ug/L) 12/1/94			
				M-2 (total)		M-2 (soluble)	
				SW-1	SW-2	SW-1	SW-2
VOC							
Tetrachloroethene	0.388	ND	ND	**5J**	**5J**	NA	NA
Trichloroethene	1.09	ND	ND	**2J**	**2J**	NA	NA
SVOC							
Bis(2-ethylhexyl)phthalate	1.76	ND	ND	ND	4J	NA	NA
Metals							
Lead	5	10	ND	3.1	2.3	**7.6**	ND

Source: WESTON, 1995
ug/L - micrograms/liter
J – estimated concentration NA – not analyzed ND – not detected

During performance of the SI activities, groundwater saturation was observed at approximately 8 ft below ground surface (bgs), and water elevation data indicated that local groundwater flow was north toward Mill Creek. Based on observed groundwater elevation measurements, MW-1 was determined to be upgradient and monitoring wells MW-2 and MW-3 were determined to be downgradient of the M-2 Landfill. In addition, based on conductivity and salinity data and field observations, both surface water sampling locations were determined to be freshwater.

Results of the tidal monitoring indicated that there was no apparent relationship between the changing creek water levels and observed water levels in the upgradient monitoring well (MW-1); however, a direct relationship was observed between changing creek water levels and the observed water levels in the downgradient monitoring wells (MW-2 and MW-3).

The SI Report stated that, although New Jersey GWQC criteria had been exceeded for one VOC and surface water results were slightly exceeded by two VOC, an immediate remedial action was not required for several reasons:

1. Immediate remedial action is usually based on an immediate threat to human health. Based on the findings of the SI, the groundwater and surface waters at the M-2 Landfill were not used for drinking water, so human health impacts were not likely.
2. Surface water sampling had been performed at the M-2 Landfill since 1986, and since the landfill had not been used for decades, the concentrations of VOC were perceived, at worst, to be stable and possibly decreasing.
3. Presumably, since no material was being added to the source (i.e., the landfill), natural degradation would decrease groundwater and surface-water contamination levels in the future.

4. Previous surface water sampling at the M-8 Landfill had indicated that NJDEP surface-water criteria had not been exceeded for VOC. Therefore, the only portion of Mill Creek for which NJDEP surface water criteria had been exceeded was the portion between the M-2 and the M-8 Landfills, which resides on Fort Monmouth and is maintained under restricted access.

The SI Report also presented a DPW proposal for the M-2 Landfill site that was subsequently implemented. Because the existing monitoring wells and surface water sampling locations were adequately spaced to monitor downgradient groundwater and surface water conditions, a long-term surface water and groundwater monitoring program was developed.

Following completion of the SI, Fort Monmouth committed to implementing the long-term groundwater monitoring program and intended to submit a RAW to NJDEP recommending natural attenuation at the M-2 Landfill. However, based on the results of initial groundwater sampling and a request by NJDEP for further groundwater characterization, an "enhanced" SI for groundwater was conducted. The enhanced SI identified benzene and PCB in the groundwater at the M-2 Landfill. This resulted in the performance of a remedial investigation (RI) encompassing soil and groundwater characterization to determine the extent of the PCB and benzene impacts at the M-2 Landfill Site.

2.2 RELIABILITY AND QUALITY OF LABORATORY ANALYTICAL DATA

Soil and water chemical analyses for the samples collected at the M-2 Landfill were conducted at the Fort Monmouth Environmental Testing Laboratory, a New Jersey certified laboratory (Certification No. 13461). Review of the analytical data report packages provided by the laboratory indicated that analytical data is of good quality and is reliable. A summary of the analysis parameters and analytical methods used by the laboratory is provided below.

Summary of Analytical Methodology

Analysis Parameter	EPA Method
Volatile Organic Compounds (VOC) – Aqueous	624
Volatile Organic Compounds (VOC) - Soil	8260
Semi-Volatile Organic Compounds (SVOC)	625
Pesticides/PCB in Soil	8082
Pesticides/PCB in Water	608
ICP TAL Metals	3120B
Mercury	3112B

The data reports indicate that the appropriate analytical methods were used, holding times were met, and duplicate and blank analyses showed good reproducibility. The method detection limits achieved by the laboratory for the various analytes were well below the regulatory limits.

2.3 SIGNIFICANT EVENTS/SEASONAL VARIATION

Surface water in Mill Creek has been sampled monthly and then quarterly from October 1996 through June 2000. Groundwater has been sampled quarterly since May 1997. During this period, the only significant events were the drought of the summer of 1998 and Hurricane Floyd in September 1999. These events did not influence sampling procedures, and evaluation of the reported analytical results for the surface and groundwater samples showed no discernable effect on analyte concentrations. Similarly, the analytical results show no discernable seasonal variation.

2.4 TREATABILITY, BENCH-SCALE AND PILOT-SCALE STUDIES

There were no treatability, bench-scale or pilot-scale studies required in support of the Remedial Investigation for the M-2 Landfill.

2.5 DEVELOPMENT OF PERMIT LIMITATIONS

Data has not been collected, to date, to develop permit limitations in support of the proposed remedial actions for the M-2 Landfill.

2.6 ECOLOGICAL ASSESSMENT SUMMARY

Ecological assessments were not done as part of the Remedial Investigation of the M-2 Landfill.

SECTION 3.0
REMEDIAL INVESTIGATION

3.1 REMEDIAL INVESTIGATION APPROACH

The primary findings of the SI for the M-2 Landfill were as follows:

- In the groundwater, CB was detected at concentrations exceeding the New Jersey GWQC and the maximum background concentrations in both downgradient monitoring wells (MW-2 and MW-3) during both sampling rounds, and in the upgradient well (MW-1) during one sampling round.

- In the surface water, PCE and TCE were both detected in the unfiltered surface water samples at concentrations greater than the NJDEP freshwater criteria and maximum background concentrations at locations SW-1 and SW-2. Only the filtered lead sample was found at a concentration greater than the NJDEP freshwater criteria and maximum background.

- Based on the results of tidal monitoring performed during the SI, there appeared to be no apparent connection between the creek and the upgradient monitoring well (MW-1); however, a direct relationship was observed between the creek and the downgradient monitoring wells (MW-2 and MW-3).

The findings of the SI established a preliminary conceptual model for the site:

- Air. Upon closure, the landfilled area had been leveled and graded with cover material. There was no evidence of any potential impacts to the environment via the air pathway.

- Soils. The landfill had been inactive since approximately 1968 and the past 30+ years had seen the growth and stabilization of vegetation (i.e., grass, trees, brush) on the landfill. However, the exact nature of the cover materials was uncertain. In addition, no soil samples had been collected from the landfill during the SI. A source area might exist within the fill material that was impacting the shallow groundwater and/or surface water.

- Groundwater. VOC (chlorobenzene) had been detected in both the upgradient and downgradient wells. Since CB had not been detected in the surface water samples, the landfill appeared to be impacting the shallow groundwater. In addition, there appeared to be a connection between the shallow groundwater at the site in the downgradient monitoring wells and the stream.

- Surface Water. PCE and TCE were both detected in the unfiltered surface water samples at both sampling locations. However, the results of the long-term Fort Monmouth surface

water sampling program showed that there is an upgradient source of the VOC in Mill Creek located beyond the boundary of Fort Monmouth.

The following remedial investigation approach was established:

- Perform a Geoprobe® investigation of the soils and groundwater within the landfill to characterize the near-surface and subsurface soils, the landfill cover materials, as well as the shallow groundwater to determine whether a source area exists for the VOC observed in the groundwater and the stream.

- Install additional groundwater monitoring wells both within and below the landfilled materials and perform slug and pump tests to determine the aquifer characteristics of the shallow saturated zone beneath the M-2 Landfill. Incorporate the new wells into the quarterly groundwater monitoring program.

- Continue the quarterly surface water sampling. In addition, collect sediment samples at selected locations as well as surface water samples to evaluate potential impact to the stream from the contaminants of concern (COC) detected in the soils and shallow groundwater of the landfill and also to evaluate potential upstream sources of COC (i.e., PCE and TCE).

3.2 REMEDIAL INVESTIGATION ACTIVITIES

Based on the results and findings of the SI and the established remedial investigation approach, a complete RI was initiated during February 1999. Remedial investigation activities were managed by the DPW and implemented by TVS personnel and Versar. All analyses were performed and reported by the Fort Monmouth Environmental Testing Laboratory, an NJDEP-certified testing laboratory. All sampling was performed in accordance with the methods described in the NJDEP *Field Sampling Procedures Manual.* Sampling frequency and parameters analyzed complied with the NJDEP *Technical Requirements for Site Remediation* (N.J.A.C. 7:26E). Fort Monmouth Standard Operating Procedures (SOPs) for the performance of GeoProbe® investigations, PCB, and groundwater sampling are provided in **Appendix A.** Analytical results were first compared to the respective method detection limit (MDL) and maximum background concentration (where applicable and appropriate). Analytical results that exceeded the MDL and the maximum background concentration (where applicable and appropriate) were then compared to the respective NJDEP criteria.

3.2.1 PCB Investigation

In February 1999, a GeoProbe® soil and groundwater investigation was conducted to delineate PCB concentrations, both horizontally and vertically. Samples were collected along an established grid at alternating 6-inch intervals from the surface to the observed water table. At locations where PCB concentrations were detected at the RDCSCC for PCB of 0.49 milligrams/Kilogram (mg/Kg) or greater, another sample was collected 0.5 ft deeper at that same

location. This process continued until concentrations less than 0.49 mg/Kg were detected. When PCB concentrations in the samples collected at a grid location exceeded 0.49 mg/Kg, another surface sample was collected at the next location further along the established grid. This method continued until observed PCB concentrations were less than the RDCSCC.

Soil Investigation

As part of the PCB soil investigation, 73 GeoProbe® soil borings were advanced from two areas within the M-2 Landfill site. One area was located in the eastern portion of the landfill in the vicinity of MW-23 and the second in the western portion of the landfill in the vicinity of MW-02. A total of 622 soil samples (and 25 duplicate samples) were collected and analyzed for Total PCB using EPA Method 8082. Analytical results were reported for the following PCB Arochlors: 1016, 1221, 1232, 1242, 1248, 1254, and 1260. The analytical results for the PCB Arochlors detected above the MDL in each soil sample are presented in **Table 1**. The analytical results for the PCB Arochlors reported above the respective MDL for each soil sample have also been summed in **Table 1** to establish a Total PCB value for that sample. The analytical results for each sample and each Arochlor (as well as the calculated Total PCB value) detected above the RDCSCC for PCB of 0.49 mg/Kg have then been **bolded** in **Table 1**.

PCB were detected above the MDL in 51 of the soil borings and at concentrations that exceeded the RDSCC of 0.49 mg/Kg at 40 boring locations and in 82 of the samples. The PCB detected were primarily Arochlors 1016 and Arochlor 1260, although Arochlors 1242 and 1254 were also occasionally detected. The PCB concentrations greater than the RDCSCC ranged from 0.496 mg/Kg to 805.06 mg/Kg. The PCB were detected at depths that ranged from 0.5 to 8.5 ft bgs and appeared to be randomly distributed both within and among the borings. In most cases, if a detection for PCB was reported in a soil boring, the next sample depth interval was either non-detect (ND) or below the RDCSCC and representative of isolated detections by depth. No specific source area for the PCB in the soil was defined. Additionally, the reported elevated PCB concentrations are proximate to monitoring wells MW-6 and MW-9. These monitoring wells had exceedences of the GWQC for PCB during several sampling events in 1998 and early 1999 conducted as part of the Fort Monmouth Quarterly Groundwater Monitoring Program. No PCB exceedences have been observed in monitoring wells MW-6 and MW-9 since July 1999. The boring locations and the calculated Total PCB value for each boring and sample depth are shown in **Figure 4 (Sheets 1 and 2).** In addition, Total PCB values detected above the RDCSCC for PCB have been "boxed" in "red".

Groundwater Investigation

Groundwater samples were collected from 45 of the soil borings from both areas (i.e., in the vicinity of MW-23 and MW-02) and submitted for Total PCB analysis. Analytical results were reported for the following PCB Arochlors: 1016, 1221, 1232, 1242, 1248, 1254, and 1260. The analytical results for the PCB Arochlors detected above the MDL in each groundwater sample are presented in **Table 2**. The analytical results for the PCB Arochlors reported above the respective MDL for each groundwater sample have also been summed in **Table 2** to establish a

Total PCB value for that sample. The analytical results for each sample and each Arochlor (as well as the calculated Total PCB value) detected above the GWQC for PCB of 0.50 micrograms/liter (ug/L) have then been **bolded** in **Table 2**.

PCB were detected in the groundwater samples collected from 14 boring locations. The groundwater samples collected from eight (of the 14) boring locations also exceeded the NJDEP GWQC for PCB of 0.50 ug/L. The boring locations and the calculated Total PCB value for each boring and sample depth are shown in **Figure 5.** In addition, Total PCB values detected above the GWQC for PCB have been "boxed" in "red". Two of the groundwater samples with PCB above the GWQC were located within the "eastern" sampling area (i.e., in the vicinity of MW-23): Boring Locations 21 and 23. Six of the groundwater samples with PCB above the GWQC were located within the "western" sampling area (i.e., in the vicinity of MW-02): Boring Locations 1, 4, 9, 9A, 9B, and 15B. In collecting the groundwater samples as "grab samples" from the installed borings, sediments containing PCB were likely entrained within the groundwater samples, thereby impacting the reported results.

In comparison to the results of the soil investigation presented in **Table 1** and on **Figure 4**, Boring Location 21 presented two detections of PCB, with one detection (22.396 mg/Kg) above the RDCSCC. Boring Location 23 contained one detection for PCB (0.914 mg/Kg) that was also above the RDCSCC. However, a total of 13 borings within the "eastern" area contained soil samples with detections of PCB greater than the RDCSCC. This was not represented in the findings of the groundwater investigation, confirming the lack of a defined source area for the PCB within that area. Within the "western" sampling area:

- Boring Location 1 contained five detections of PCB with two detections (9.806 and 3.206 mg/Kg) exceeding the RDCSCC;
- Boring Location 4 contained two detections (4.498 and 75. 833 mg/Kg) of PCB that also exceeded the RDCSCC;
- Boring Location 9 contained one detection of PCB (0.696 mg/Kg) that also exceeded the RDCSCC;
- Boring Location 9A contained three detections of PCB that did not exceed the RDCSCC;
- Boring Location 9B had no detections of PCB, and
- Boring Location 15B had no detections of PCB.

A total of 26 boring locations within the "western" sampling area contained soil samples with detections greater than the RDCSCC. While some consistency was shown between the soil and groundwater samples collected at Boring Locations 1, 4, 9, and 9A, there was still no confirmation of a defined source area for the PCB. Further, PCB have not been detected at MW-02 or MW-23 in sampling conducted as part of the Fort Monmouth Quarterly Groundwater Monitoring Program.

Given the likely random nature and placement of waste materials within the M-2 Landfill, the findings of the soil and groundwater investigation for PCB are consistent with the lack of a defined source area and illustrate the variety of waste materials placed within the landfill.

Furthermore, because the groundwater investigation was performed primarily using a GeoProbe® approach, the sediment concentration and turbidity of the collected groundwater samples likely increased the number of PCB detections at the site.

3.2.2 Benzene/Chlorobenzene Investigation

In March 1999, following the PCB investigation, a soil investigation was conducted to delineate benzene and CB concentrations in both the soil and shallow groundwater of the M-2 Landfill.

Soil/Fill Investigation

A total of 208 GeoProbe® soil samples were collected during the soil/fill investigation at varying depths ranging from 12-inches to 108-inches bgs. The intent of the sampling was to obtain a complete soil column from 0-6 inches bgs to the observed water table. A 4-ft split-spoon soil sample was obtained and screened visually and by using a photoionization detector (PID)/FID. If any contamination was observed, a sample was collected. If nothing was visually observed or detected by the field-screening instrument, a sample was still taken just above the water table. The collected samples were submitted for VOC analysis using EPA Method 8260. **Table 3** summarizes the analytical results for the detected VOC and **Figure 6** shows the boring locations and the analytical results for benzene and CB as well as the respective sample depth. In addition, benzene and CB detections above the respective RDCSCC have been **bolded** on **Table 3** and "boxed" in "red" on **Figure 6**.

Ten (10) VOC were detected in the collected soil samples: methylene chloride, carbon disulfide, CB, benzene, ethyl-benzene, total xylenes, 2-butanone, toluene, acetone, and chloroform. Methylene chloride was detected in 34 samples ranging from 0.64 mg/Kg to 5.0 mg/Kg, with no detections above the RDCSCC of 49 mg/Kg. Carbon disulfide was detected in two samples at 0.99 and 1.5 mg/Kg (there is no RDCSCC for carbon disulfide). CB was detected in 17 samples ranging from 0.43 mg/Kg to 6.0 mg/Kg, with no detections above the RDCSCC of 37 mg/Kg. Benzene was detected in six samples ranging from 0.34 mg/Kg to 0.68 mg/Kg, with no detections above the RDCSCC of 3 mg/Kg. Ethylbenzene was detected in one sample at 1.1 mg/Kg, which is below the RDCSCC of 1000 mg/Kg. Xylene (as total xylenes) was detected in four samples ranging from 0.55 mg/Kg to 4.0 mg/Kg, with no detections above the RDCSCC of 410 mg/Kg. 2-Butanone was detected in 47 samples ranging from 0.97 mg/Kg to 7.6 mg/Kg, with no detections above the RDCSCC of 1000 mg/Kg. Toluene was detected in three samples ranging from 0.42 mg/Kg to 2.0 mg/Kg, with no detections above the RDCSCC of 1000 mg/Kg. Acetone was detected in 40 samples ranging from 1.7 mg/Kg to 10.0 mg/Kg, with no detections above the RDCSCC of 1000 mg/Kg. Chloroform was detected in 71 samples ranging from 0.29 mg/Kg to 2.5 mg/Kg, with no detections above the RDCSCC of 19 mg/Kg.

In summary, while there were detections of VOC in the shallow subsurface soils (to a depth of approximately 7-8 ft bgs), no VOC and specifically benzene and CB, were found to exceed the respective NJDEP RDCSCC.

Groundwater Investigation

The groundwater investigation was conducted in conjunction with the soil/fill investigation. Groundwater samples were collected from each of the 185 GeoProbe® borings following the soil sample collection. The collected samples were submitted for VOC analysis using EPA Method 624.

Table 4 summarizes the analytical results for the detected VOC and **Figure 7** shows the boring locations and the analytical results for benzene and CB as well as the respective sample depth. In addition, benzene and CB detections above the respective GWQC have been **bolded** on **Table 4** and "boxed" in "red" on **Figure 7**.

A total of twenty (20) VOC were detected in the collected groundwater samples: methylene chloride, carbon disulfide, CB, benzene, ethyl-benzene, total xylenes, toluene, acetone, chloroform, 1,4-dichlorobenzene (DCB), 1,2-DCB, 1,3-DCB, PCE, TCE, vinyl chloride (VC), trans-1,2-dichloroethane (DCE), 2-butanone, tert-butyl alcohol, and methyl-tert-butyl ether. Methylene chloride was not detected in any of the collected groundwater samples, but was detected in six of the collected field blank samples ranging from 2.35 ug/L to 5.0 ug/L, with all six detections exceeding the GWQC of 2 ug/L. Carbon disulfide was detected in 31 of the collected groundwater samples ranging from 1.10 ug/L to 20.61 ug/L (there is no established GWQC for carbon disulfide). CB was detected in 148 of the collected groundwater samples ranging from 1.00 ug/L to 181.39 ug/L, with 125 of the detections exceeding the GWQC of 4 ug/L. Benzene was detected in 100 of the collected groundwater samples ranging from 0.55 ug/L to 14.67 ug/L, with 98 of the detections exceeding the GWQC of 1 ug/L. Ethyl-benzene was detected in three of the collected groundwater samples ranging from 1.12 ug/L to 3.15 ug/L, with none of the detections exceeding the GWQC of 700 ug/L. Xylene (as total xylenes) was detected in ten of the collected groundwater samples ranging from 1.39 ug/L to 7.82 ug/L, with none of the detections exceeding the GWQC for total xylene of 40 ug/L. Toluene was detected in ten of the collected groundwater samples ranging from 1.06 ug/L to 5.65 ug/L, with none of the detections exceeding the GWQC of 1000 ug/L. Acetone was detected in 37 of the collected groundwater samples ranging from 1.95 ug/L to 53.79 ug/L and in two of the collected field blanks, none of the detections exceeded the GWQC for acetone of 700 ug/L. Chloroform was detected in four of the collected groundwater samples ranging from 1.32 ug/L to 26.80 ug/L and in four of the collected field blanks. Two of the groundwater detections for chloroform exceeded the GWQC of 6 ug/L. The two detections were associated with Boring Location 115B and a field duplicate collected from that sample (26.80 ug/L and 26.06 ug/L, respectively). 1,4-DCB was detected in 132 of the collected groundwater samples ranging from 1.01 ug/L to 17.96 ug/L, with none of the detections exceeding the GWQC of 75 ug/L. 1,2-DCB was detected in 15 of the collected groundwater samples ranging from 0.93 ug/L to 2.51 ug/L, with none of the detections exceeding the GWQC of 600 ug/L. 1,3-DCB was detected in 28 of the collected groundwater samples ranging from 0.84 ug/L to 4.87 ug/L, with none of the detections exceeding the GWQC of 600 ug/L. PCE, TCE, VC, trans-1,2-DCE, and cis-1,2-DCE were all detected only once in the groundwater sample collected from boring location No. 48. The PCE, TCE, VC, and cis-1,2-DCE detections all exceeded the respective GWQC: 6.51 ug/L vs. 1 ug/L; 16.71 ug/L vs. 1 ug/L;

15.75 ug/L vs. 5 ug/L, and 72.00 ug/L vs. 10 ug/L, respectively. 2-Butanone was detected in five of the collected groundwater samples ranging from 2.46 ug/L to 186.75 ug/L, with none of the detections exceeding the GWQC of 1000 ug/L. Tert-Butyl alcohol was detected in three of the collected groundwater samples ranging from 53.08 ug/L to 91.11 ug/L (there is no established GWQC for tert-butyl alcohol). Methyl-tert-Butyl ether was detected in two of the collected groundwater samples at 2.31 ug/L and 3.04 ug/L (there is no established GWQC for methyl-tert-butyl ether).

In summary, there were a number of relatively minor detections of VOC in the groundwater samples collected from the installed boring locations. Detections for CB, benzene, PCE, TCE, VC, and cis-1,2-DCE exceeded the respective GWQC. In the case of PCE, TCE, VC, and cis-1,2-DCE, there was only a single detection for each of these VOC at one boring location (No. 48). There were no VOC detected in the soil sample collected from Boring Location No. 48. The chlorinated hydrocarbons (i.e., PCE, TCE, DCE, and VC) are not areally extensive and do not warrant further investigation or active remediation based on the probable land and water uses at Fort Monmouth. They will be addressed incidentally with the implementation of the remedial strategy presented herein.

Based on the groundwater sampling results, benzene and CB are present in the shallow groundwater beneath the M-2 Landfill site at concentrations that exceed the respective GWQC and are considered COC. Comparison with groundwater analytical data from relatively deeper monitoring wells, such as MW-19, suggests that VOC appear to be limited to the shallow portion of the saturated zone.

3.2.3 Landfill Near-Surface Soils Investigation

To characterize near surface soils (0 to 2 ft) at the M-2 Landfill, the DPW installed soil borings and obtained soil samples between November 1998 and June 1999 at 196 locations. The evaluation of near-surface soils of the M-2 Landfill is detailed in a separate RIR entitled, *Remedial Investigation Report for Near-Surface Soils M-2 Landfill, Draft Report, July 2000* (Versar, 2000). All soil samples were analyzed for VOC, SVOC, pesticides/PCB and metals. The data for samples that exceeded the laboratory MDL and/or the respective NJDEP RDCSCC were evaluated to determine compliance with the respective NJDEP RDCSCC (Versar, 2000). A summary of analytical results along with the conclusions and recommendations of this investigation are provided below.

<u>Volatile Organic Compounds (VOC)</u>

A total of 196 boring samples were collected at 24 inches bgs and analyzed for VOC. No VOC exceeded the respective NJDEP RDCSCC.

Semi-Volatile Organic Compounds (SVOC)

A total of 196 soil boring samples were collected at 6 to 12 inches bgs and analyzed for SVOC. At 12 boring locations, seven SVOC were detected at concentrations exceeding the NJDEP RDCSCC for soils. Exceedence locations were generally scattered across the landfill. The sample locations with exceedences were grouped and evaluated for the seven SVOC utilizing "compliance averaging". The results showed that, except for benzo(a)pyrene, the calculated compliance averages for the SVOC detections were below the respective RDCSCC, the exceedence was considered marginal, or an isolated location and a "de minimus" quantity (i.e., a small amount of contaminated soil, surrounded by sample concentrations either below the RDCSCC and/or non-detect) was present, and no further action is warranted.

Benzo(a)pyrene was detected in 12 borings above the RDCSCC of 0.66 mg/Kg. The exceedence concentrations ranged from 0.73J mg/Kg to 10 mg/Kg. The maximum background concentration for benzo(a)pyrene is 0.6 mg/Kg. A more stringent compliance criterion was used for benzo(a)pyrene because, as described in the Spring 1995 Site Remediation News (Volume 7 Number 2), NJDEP guidance regarding the use of multiplication factors (initially applied to the RDCSCC to limit the maximum allowable concentration for individual samples) had changed. Current NJDEP guidance regarding benzo(a)pyrene prescribes the application of multiplication factors to health-based criteria, not to a RDCSCC. The health based criteria for benzo(a)pyrene in soil is 0.09 mg/Kg. Applying the 10x factor to 0.09 mg/Kg means that no individual sample may exceed 0.9 mg/Kg for the purposes of compliance averaging. Using this criterion, only four of the 12 exceedences could be used for compliance averaging. These four exceedences all fell below 0.9 mg/Kg and slightly above the RDCSCC (0.66 mg/Kg) and were considered marginal. The other exceedences were considered to be marginal or de minimis quantities because the surrounding borings contained concentrations of benzo(a)pyrene below the RDCSCC or below detection. No further action is recommended for benzo(a)pyrene.

Pesticides/PCB

Eleven of the 196 boring samples exceeded the respective NJDEP RDCSCC for pesticides/PCB. Only three pesticides (4,4'-DDT, Dieldrin, and 4,4'-DDE) and four PCB compounds (Arochlor 1242, 1254, 1258, and 1260) were detected at concentrations exceeding the respective RDCSCC. Sample locations with exceedences were randomly scattered across the landfill. For the purpose of further evaluating the results, the exceedences were grouped and compliance averaging was performed where applicable/appropriate. The results showed that the calculated compliance averages for the three pesticides and four PCB exceedences were either below the respective RDCSCC, the exceedence was considered marginal, or an isolated location and a de minimus quantity existed. No further action is recommended for pesticides/PCB.

Metals

Nineteen of the 196 boring samples contained one or more metal concentrations above the respective NJDEP RDCSCC. Within the 19 borings, seven metals exceeded their respective

RDCSCC. These included arsenic, beryllium, cadmium, nickel, zinc, lead, and mercury. Sample locations with exceedences were generally scattered along the northern edge of the landfill with some also located along the southern edge.

The exceedences for five of the metals (lead, mercury, nickel, zinc, and cadmium) occurred in isolated borings across the landfill. The analytical results for these five metals were either below the respective RDCSCC, the exceedence was considered marginal, or an isolated location and a de-minimus quantity existed. No further action is warranted.

Beryllium was detected above the RDCSCC of 2.0 mg/Kg in seven borings. The exceedence concentrations ranged from 2.03 mg/Kg to 10.6 mg/Kg. The maximum background concentration for beryllium is 2.0 mg/Kg. The seven exceedences were randomly scattered along the northwestern edge of the landfill and did not indicate a particular source area. NJDEP guidance states that, for beryllium, no sample may exceed 2 mg/Kg for the purpose of compliance averaging. But, given the low average exceedence, a maximum background concentration equal to the RDCSCC, the isolated and scattered distribution of the exceedences, and the low concentrations in the surrounding samples, no further action is warranted for beryllium.

Arsenic was detected above the RDCSCC of 20 mg/Kg in nine borings. The arsenic exceedences were scattered across the landfill and did not indicate a particular source. The exceedence concentrations ranged from 21.2 mg/Kg to 81.3 mg/Kg. The Fort Monmouth – Main Post maximum background concentration for arsenic in soils is 22.9 mg/Kg (WESTON, 1995). Compliance averaging was not performed for arsenic because, as described in the guidance published in the Spring 1995 Site Remediation News by NJDEP, the 20 mg/Kg RDCSCC for arsenic is already 50 times higher than the health based number for arsenic (0.4 mg/Kg). Therefore, individual samples cannot exceed the RDCSCC unless a site-specific remediation standard is developed. The Spring 1995 guidance also states that exceedences of the arsenic RDCSCC due to natural background conditions would not require cleanup, but would require a site-specific remediation standard to document that the local natural background was greater than the RDCSCC. Given the scattered distribution of the arsenic exceedences, the maximum background concentration for arsenic, and the low concentrations in the surrounding samples, no further action for arsenic is warranted.

Although exceedences of NJDEP RDCSCC are identified in the near surface soils for SVOC, pesticides/PCB, and metals within the landfill, evaluation of the analytical results did not define a "source area" or level of contamination that necessitated the identification and evaluation of potential remedial actions. Either the specific calculated compliance average was below the respective RDCSCC, the exceedence was considered marginal, or an isolated location and a de minimus quantity was detected. No further action is warranted for the near surface soils. However, to address the PCB detected in the near surface soils, the DPW will incorporate a document equivalent to a Declaration of Environmental Restriction (DER) into the Fort Monmouth Master Plan for soils containing PCB.

3.2.4 Groundwater Investigation

A total of 24 groundwater monitoring wells have been installed and incorporated into the monitoring program at the M-2 Landfill. The wells have been installed to characterize the shallow groundwater at two distinct depth intervals: approximately 13 – 22 ft bgs, a depth interval considered to be within the fill, and 30 - 50 ft bgs, a depth considered to be well below any fill material.

As discussed in Section 2, three (3) groundwater monitoring wells (MW-1, MW-2, and MW-3) were installed by WESTON in late 1994 as part of the SI to initially characterize the groundwater at the M-2 Landfill. At that time, MW-1 was determined to be upgradient and MW-2 and MW-3 downgradient. Further, results of tidal monitoring performed during the SI indicated that there was no apparent relationship between the changing creek water levels and observed water levels in the upgradient well MW-1; however, a direct relationship was observed between changing creek water levels and the observed water levels in downgradient wells MW-2 and MW-3. MW-4 was then installed in February 1998, followed by the installation of six additional monitoring wells (MW-5, -6, -7, -8, -9, and -10) during the third and fourth quarters of 1998. Well logs and well construction summaries are included in the SI Report (WESTON, 1995) and also in **Appendix B** of this report. Approximate locations of the monitoring wells are depicted in **Figure 9**.

In April 2000, Versar provided oversight for the installation of 14 monitoring wells, MW-11 through MW-24, which were subsequently sampled in May and June 2000. The approximate locations of these wells are depicted on **Figure 9**. One set of wells was installed in the fill to a depth of 20 feet bgs (Wells MW13, MW14, MW15, MW16, MW17, MW18, MW21, MW22, MW23 and MW24) with a 15-foot screen interval from 5 feet to 20 ft bgs in each well. A second set of wells was installed deeper in the native material beneath the fill to a depth of 50 ft bgs (Wells MW11, MW12, MW19, and MW20) with a 20-foot screen interval from 30 ft to 50 ft bgs (see well logs in **Appendix B**). An all-terrain, hollow-stem, auger drill rig was used to advance the boring at each well location. The wells were constructed of 4-inch diameter schedule 40 PVC screen (0.010 slot) and PVC casing. The annular space surrounding each well screen was filled with #1 Morie sand to a level at least two ft above the top of screen. A one-foot thick bentonite plug was placed above the sand pack of each well, and the remainder of the annular space surrounding each well was filled with cement/bentonite grout to ground surface. Each well was completed with a 3-foot PVC casing stick up (above ground surface), and protected by a 6-inch diameter steel protective casing. Upon completion, the wells were developed using a submersible pump until the groundwater was visibly free of sediment. The wells were installed and developed by CT&E Drilling Services, Inc., a licensed New Jersey drilling company. The wells were installed in accordance with standard NJDEP procedures for the installation of wells in unconsolidated materials. Monitoring well logs, construction details, and monitoring well records are included as **Appendix B**.

A summary of the groundwater monitoring wells installed at the M-2 Landfill, including the total well depth and screened interval, is provided below:

Summary of Groundwater Monitoring Wells at the M-2 Landfill

Monitoring Well No.	Date of Installation	Total Well Depth (feet)	Screened Interval (feet)
MW-1	14 December 1994	22	7 - 22
MW-2	13 December 1994	18	7.5 - 17
MW-3	13 December 1994	16	5 - 15
MW-4	17 December 1997	19	7 – 19*
MW-5	24 August 1998	13	3 – 13*
MW-6	24 August 1998	15	3 – 15*
MW-7	24 August 1998	15	5 – 15*
MW-8	24 August 1998	15	5 - 15*
MW-9	24 August 1998	15	5 - 15*
MW-10	31 August 1998	20	5 - 20*
MW-11	4 May 2000	50	30 - 50
MW-12	5 May 2000	50	30 - 50
MW-13	8 May 2000	20	5 - 20
MW-14	19 April 2000	20	5 – 20
MW-15	8 May 2000	20	5 – 20
MW-16	8 May 2000	20	5 – 20
MW-17	3 May 2000	20	5 - 20
MW-18	2 May 2000	20	5 - 20
MW-19	3 May 2999	50	30 - 50
MW-20	2 May 2000	50	30 - 50
MW-21	3 May 2000	20	5 - 20
MW-22	3 May 2000	20	5 - 20
MW-23	8 May 2000	20	5 - 20
MW-24	4 May 2000	20	5 – 20

* Approximate screen interval. Shaded cells represent the deeper wells.

The Fort Monmouth Quarterly Groundwater Monitoring Program was initiated in the 2nd Quarter (May) of 1997. The collected groundwater samples have been analyzed for TCL VOC (+15), TCL BNA (+15), TCL pesticides/PCB, and TAL metals. The results of the 12 rounds conducted through March 2000 as well as the initial two rounds of sampling performed for monitoring wells MW-5 through MW-10 in October/November 1998 and then MW-11 through MW-24 in May/June 2000 are presented in **Table 5** and are summarized below. Groundwater contour maps for each sampling quarter are presented in **Figures 8a** through **8o**. The groundwater elevation contours were generated from groundwater level measurements made during the quarterly sampling of the monitoring wells. The figures indicate that groundwater flow is consistently north-northwest, towards Mill Creek at a gentle gradient of 0.03 (approximately 3 ft of vertical

drop for every 100 ft of horizontal distance). The locations of the groundwater monitoring wells are shown on **Figure 9**.

As presented in the SI Report (WESTON, 1995), several natural and anthropogenic factors contribute to the wide range in concentrations of metals in soils, which further impact the concentration of metals in groundwater. Soils derived from the glauconitic sands contain abundant aluminum, calcium, potassium, iron, magnesium, and manganese (among others), which are likely to be present at elevated concentrations in the groundwater, particularly when sediments are entrained in the collected groundwater samples. A low flow sampling methodology was proposed for use by the DPW and accepted by the NJDEP to assess the impact of entrained sediments on the dissolved phase metal concentrations at the site (discussed in **Appendix C**). Using a low flow sampling methodology to reduce the presence of entrained sediment yielded substantial reductions in the dissolved phase concentrations of metals, such as arsenic, antimony, beryllium, cadmium, chromium, cobalt, lead, mercury, selenium, silver, thallium, and vanadium. Significant decreases in the concentrations of metals characteristic of glauconitic sand also were observed. These included aluminum, barium, calcium, copper, iron, magnesium, manganese, nickel, potassium, sodium, and zinc.

The detected parameters for each monitoring well have been compared to the respective GWQC and for metals the respective GWQC and Fort Monmouth – Main Post Maximum Background Concentrations (MBC), presented below, to determine contaminants of concern requiring further evaluation.

Fort Monmouth Main Post – Summary of Site Specific and Monmouth County Groundwater Maximum Background Concentrations

Metals (Total)	Fort Monmouth – Main Post Maximum Background Concentrations (ug/L)	Monmouth County [1] (maximum) (ug/L)
Aluminum	121,000	NLE
Antimony	20.7	NLE
Arsenic	89.3	NLE
Barium	699	400
Beryllium	2.1	7
Calcium	45,400	7,300
Cadmium	9.5	6
Cobalt	18.3	NLE
Chromium	191	<50
Copper	65.6	730
Cyanide	ND	NLE
Iron	431,000	27,000
Lead	22.7	<100
Magnesium	62,700	25,000
Mercury	0.26	NLE

Metals (Total)	Fort Monmouth – Main Post Maximum Background Concentrations (ug/L)	Monmouth County [1] (maximum) (ug/L)
Manganese	331	480
Nickel	187	NLE
Potassium	137,000	10,000
Silver	ND	<10
Sodium	21,500	197,000
Selenium	29.6	NLE
Thallium	5.5	NLE
Vanadium	108	NLE
Zinc	233	60

Source: Table 4.1-6, WESTON, 1995
NLE – No level established.
[1] – From Table 9 in Harriman and Sargent, 1985.

The analytical results of the sampling events (including metals) are discussed below for each of the site wells.

Monitoring Well MW-01

Twelve (12) rounds of groundwater sampling have been conducted to-date at MW-01 (May 1997 – March 2000). There were two VOC detected, acetone and methyl-tert-butyl ether. Acetone was detected during one sampling event at 7.27 ug/L, which is below the GWQC of 700 ug/L. Methyl-tert-butyl ether was also detected during only one sampling event at 1.02 ug/L (there is no GWQC for methyl-tert-butyl ether).

There were seven SVOC detected during the 12 sampling rounds: 2-methylnaphthalene (1 detection); 4-methylphenol (1 detection); bis(2-ethylhexyl)phthalate (3 detections); butylbenzylphthalate (2 detections); diethlyphthalate (1 detection); di-n-butylphthalate (3 detections), and naphthalene (1 detection). The SVOC detections were either all below the respective GWQC or no GWQC existed for that parameter.

Two pesticides were detected during the 12 sampling rounds (4,4'-DDE and 4,4'-DDT). Each was detected only once, and at a concentration that did not exceed the respective GWQC. There were no PCB detected during the 12 sampling rounds.

A total of 21 metals were detected during the 12 sampling rounds. Of the 21 metals detected, 16 metals (arsenic, barium, beryllium, calcium, chromium, cobalt, copper, magnesium, mercury, nickel, potassium, silver, sodium, thallium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. Five metals (aluminum, cadmium, iron, lead, and manganese) were detected above their respective GWQC, but none are identified as COC.

Of the naturally occurring metal constituents, aluminum, iron, and manganese were detected in MW-01. Aluminum was detected during 11 of the 12 sampling rounds at concentrations ranging from 236.3 ug/L to 2,480 ug/L. All of the detections exceeded the GWQC for aluminum of 200 ug/L, but did not exceed the MBC of 121,000 ug/L. Iron was detected in all 12 sampling rounds ranging from 100 ug/L to 7,790 ug/L, with ten of the detections exceeding the GWQC of 300 ug/L, but none of the detections exceeding the MBC of 431,000 ug/L. Manganese was detected in all 12 of the sampling rounds ranging from 73.1 ug/L to 4,940 ug/L, with all eleven detections exceeding the GWQC of 50 ug/L and one of the detections exceeding the MBC of 331 ug/L. Only a single exceedence for manganese (4,940 ug/L) was significantly greater than the MBC of 331 ug/L, and this result is considered to be anomalous. None of these constituents (aluminum, iron, manganese) are identified as COC.

Cadmium was detected in ten sampling rounds ranging from 1.53 ug/L to 6.23 ug/L, with one detection exceeding the GWQC of 4 ug/L. Lead was detected in three sampling rounds ranging from 4.10 ug/L to 11.0 ug/L, with the detection at 11.0 ug/L exceeding the GWQC of 10 ug/L. Based on the frequency of occurrence and the concentration ranges for these metals, as well as detections in adjacent monitoring well locations, lead and cadmium are not identified as COC.

Monitoring Well MW-02

Twelve (12) rounds of groundwater sampling have been conducted to-date at MW-02 (May 1997 – March 2000). There were eight VOC detected during the 12 sampling rounds. 1,2-DCB was detected during two sampling rounds at 1.22 ug/L and 1.35 ug/L, below the GWQC of 600 ug/L. 1,3-DCB was detected during three sampling rounds ranging from 1.26 ug/L to 1.98 ug/L, below the GWQC of 600 ug/L. 1,4-DCB was detected during seven sampling rounds ranging from 1.96 ug/L to 4.87 ug/L, below the GWQC of 75 ug/L. Acetone was detected during one sampling event at 8.77 ug/L, below the GWQC of 700 ug/L. Carbon disulfide was detected during one sampling event at 1.30 ug/L (there is no GWQC for carbon disulfide). Tert-Butyl alcohol was detected during one sampling event at 35.15 ug/L (there is no GWQC for tert-butyl alcohol). Benzene was detected during nine sampling events ranging from 1.36 ug/L to 6.44 ug/L, with all nine of the detections exceeding the GWQC of 1 ug/L. CB was detected during all 12 of the sampling events ranging from 7.39 ug/L to 69.55 ug/L, with all 12 of the detections exceeding the GWQC of 4 ug/L. Both benzene and CB are considered to be COC.

There were eight SVOC detected during the 12 sampling rounds: 1,3-DCB (1 detection); 1,4-DCB (8 detections); 2-methylnaphthlene (1 detection); 4-methylphenol (1 detection); bis(2-ethylhexyl)phthalate (4 detections); butylbenzylphthalate (1 detection); di-n-butylphthalate (4 detections); and n-nitrosodiphenylamine (1 detection). The SVOC detections were either all below the respective GWQC or no GWQC existed for that parameter. There were no pesticides or PCB detected during the 12 sampling rounds.

A total of 22 metals were detected during the 12 sampling rounds. Of the 22 metals detected, 19 metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, lead, magnesium, mercury, nickel, potassium, selenium, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the

detected metal. Three metals (iron, manganese, and silver) were detected above their respective GWQC, but none are identified as COC.

Iron was detected in all 12 sampling rounds ranging from 13,200 ug/L to 82,680 ug/L, with all of the detections exceeding the GWQC of 300 ug/L, but none of the detections exceeding the MBC of 431,000 ug/L. Manganese was detected in all 12 sampling rounds ranging from 145.4 ug/L to 474 ug/L, with all of the detections exceeding the GWQC of 50 ug/L and three of the detections exceeding the MBC of 331 ug/L. However, manganese is regarded as a naturally occurring metal within the native soil types at Fort Monmouth and is not considered to be a COC.

Silver was detected only during the first sampling round at 41.0 ug/L, which exceeds the GWQC of 20 ug/L. This detection is most likely attributable to a laboratory error since the laboratory calibration blank reported a result greater than the GWQC for silver. Silver has not been detected again, since the first sampling round.

Monitoring Well MW-03

Twelve (12) rounds of groundwater sampling have been conducted to-date at MW-03 (May 1997 – March 2000). There were three VOC detected, 1,4-DCB, benzene, and CB. 1,4-DCB was detected during four sampling events ranging from 1.30 ug/L to 9.32 ug/L, with none of the detections exceeding the GWQC of 75 ug/L. Benzene was detected during five sampling rounds ranging from 1.31 ug/L to 4.26 ug/L, with all of the detections exceeding the GWQC of 1.0 ug/L. CB was detected during all 12 sampling events ranging from 1.49 ug/L to 107.81 ug/L, with eight of the detections exceeding the GWQC of 4 ug/L. CB and benzene are both considered to be COC.

There were 11 SVOC detected during the 12 sampling rounds: 1,4-DCB (2 detections); 4-nitrophenol (1 detection); acenaphthene (3 detections); anthracene (1 detection); bis(2-ethylhexyl)phthalate (1 detection); butylbenzylphthalate (1 detection); didibenzofuran (2 detections); di-n-butylphthalate (4 detections); fluorene (2 detections); naphthalene (3 detections), and phenanthrene (2 detections). The SVOC detections were either all below the respective GWQC or no GWQC existed for that parameter. Additionally, there has been no detection of SVOC over the last four sampling rounds (i.e., since the 1st Quarter of 1999).

There was one detection for one pesticide (gamma-BHC at 0.020 ug/L) during the 12 sampling rounds and this detection was below the respective GWQC. There were no detections for PCB during the 12 sampling rounds.

A total of 22 metals were detected during the 12 sampling rounds. Of the 22 metals detected, 18 metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, magnesium, mercury, nickel, potassium, selenium, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC exists for the detected metal. Four metals (iron, lead, manganese, and silver) were detected above their respective GWQC, but none are identified as COC.

Two of the four metals are considered to be naturally occurring within the native soil types at Fort Monmouth. Iron was detected in all 12 sampling rounds ranging from 9,300 ug/L to 69,260 ug/L, with all of the detections exceeding the GWQC of 300 ug/L, but none of the detections exceeding the MBC of 431,000 ug/L. Manganese was detected in all 12 sampling rounds ranging from 395 ug/L to 5,890 ug/L, with all of the detections exceeding the GWQC of 50 ug/L and the MBC of 331 ug/L. The trend represented by the manganese results in MW-03 does not suggest that a contaminant source is present. Furthermore, based on the frequency of occurrences and the magnitude of the detections at adjacent monitoring well locations, manganese it is not identified as a COC.

Lead was detected in seven sampling rounds ranging from 1.1 ug/L to 13.0 ug/L, with only the detection at 13.0 ug/L exceeding the GWQC of 10 ug/L. Silver was detected only during the first two sampling rounds at 36.0 ug/L and 9,170 ug/L, respectively, which exceeded the GWQC of 20 ug/L. The detection for silver during the first sampling round (36.0 ug/L) is most likely attributable to a laboratory error since the respective laboratory calibration blank reported a result greater than the GWQC for silver. It is also likely that the detection reported during the second sampling round (9,170 ug/L) is attributable to laboratory error since this result is an order of magnitude greater than any other reported result for silver at the M-2 Landfill, and silver has not been detected again at MW-03 since the first two sampling rounds.

Monitoring Well MW-04

During the nine rounds of groundwater sampling conducted to-date at MW-04 (February 1998 – March 2000), there were two VOC detected, benzene and CB. Benzene was detected during one sampling event (October 1999) at 1.23 ug/L, which exceeds the GWQC of 1.0 ug/L. CB was detected during five sampling events, but only one detection (October 1999) at 5.96 ug/L exceeded the GWQC of 4 ug/L. Benzene and CB are considered to be COC.

There were six SVOC detected during the nine sampling rounds: benzo[g,h,l]perylene, butylbenzyphthalate, dibenz[a,h]anthracene, di-n-butylphthalate, indeno[1,2,3-cd]pyrene, and naphthalene. In each case, the six SVOC were only detected once and none of the detections exceeded the respective GWQC. There were no pesticides or PCB detected during the nine sampling rounds.

A total of 19 metals were detected during the nine sampling rounds. Of the 19 metals detected, 16 metals (arsenic, barium, cadmium, calcium, chromium, cobalt, copper, lead, magnesium, mercury, nickel, potassium, selenium, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC exists for the detected metal. Three naturally occurring metals (aluminum, iron, and manganese) were detected above their respective GWQC, but none are identified as COC.

Aluminum was detected during eight sampling rounds ranging from 20.0 ug/L to 514 ug/L. None of the detections exceeded the MBC for aluminum of 121,000 ug/L, but three of the detections (209 ug/L, 302 ug/L, and 514 ug/L), from sampling rounds conducted in 1998, exceeded the GWQC for aluminum of 200 ug/L. Iron was detected during all nine sampling

rounds ranging from 17,800 ug/L to 43,000 ug/L. None of the detections exceeded the MBC for iron of 431,000 ug/L, but all nine of the detections exceeded the GWQC for iron of 300 ug/L. Manganese was detected during all nine sampling rounds ranging from 180 ug/L to 2,010 ug/L. Six of the detections exceeded the MBC for manganese of 331 ug/L and all nine of the detections exceeded the GWQC of 50 ug/L. The trend represented by the manganese results in MW-04 does not suggest that a contaminant source is present. Furthermore, based on the frequency of occurrences and the magnitude of the detections at the location and in adjacent monitoring wells, manganese is not identified as a COC.

Monitoring Well MW-05

During the seven rounds of groundwater sampling conducted to-date at MW-05 (October 1998 – March 2000), there were two VOC detected, acetone and 2-butanone. Acetone was detected during one sampling event at 5.49 ug/L and 2-butanone was detected during two sampling events at 3.19 ug/L and 9.29 ug/L. None of the detections for acetone and 2-butanone exceeded the respective GWQC.

There were two SVOC detected during the seven sampling rounds: bis(2-ethylhexyl)phthalate and di-n-octylphthalate. Bis(2-Ethylhexyl)phthalate was detected during one sampling event at 40.9 ug/L, which slightly exceeded the GWQC of 30 ug/L. Di-n-octylphthalate was detected during one sampling event at 1.58 ug/L, which was below the GWQC of 100 ug/L. No SVOC constituents are considered to be COC.

There were no pesticides or PCB detected during the seven sampling rounds.

A total of 20 metals were detected during the seven sampling rounds. Of the 20 metals detected, 16 metals (antimony, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, magnesium, manganese, mercury, nickel, potassium, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. Four metals (aluminum, arsenic, iron, and lead) were detected above their respective GWQC, but none are identified as COC.

Aluminum was detected during all seven sampling rounds ranging from 370 ug/L to 4,860 ug/L. All of the detections exceeded the GWQC for aluminum of 200 ug/L, but did not exceed the MBC for aluminum of 121,000 ug/L. Iron was detected during all seven sampling rounds ranging from 15,800 ug/L to 74,400 ug/L. None of the detections exceeded the MBC for iron of 431,000 ug/L, but all seven of the detections exceeded the GWQC for iron of 300 ug/L. These naturally occurring metals are typically present in native soils at Fort Monmouth and are not identified as COC.

Arsenic was detected in five sampling rounds ranging from 2.80 ug/L to 8.63 ug/L. Only one detection (8.63 ug/L) reported during the November 1998 sampling event exceeded the GWQC for arsenic of 8 ug/L. Since the November 1998 sampling round, the four subsequent reported detections for arsenic have all been below the GWQC. Lead was detected in all seven sampling rounds ranging from 4.09 ug/L to 15.5 ug/L. Only one detection (15.3 ug/L) reported during the

November 1998 sampling event exceeded the GWQC for lead of 10 ug/L. Since the November 1998 sampling round, the five subsequent reported detections for lead have all been below the GWQC.

Monitoring Well MW-06

During the seven rounds of groundwater sampling conducted to-date at MW-06 (October 1998 – March 2000), three VOC were detected: 2-butanone, acetone, and CB. 2-Butanone was detected during two sampling events at 4.65 ug/L and 8.86 ug/L. Acetone was detected during one sampling event at 7.45 ug/L and CB was detected during one sampling event at 1.36 ug/L. None of the detections for 2-butanone, acetone, or CB exceeded the respective GWQC.

There were no SVOC detected during the seven sampling rounds. There were three PCB detected during the seven sampling rounds. Arochlor 1016 was detected during three sampling rounds at 0.611 ug/L, 0.865 ug/L, and 2.260 ug/L, above the GWQC for PCB of 0.50 ug/L. Arochlor 1260 was detected once at 0.581 ug/L, above the GWQC for PCB of 0.50 ug/L. Gamma-BHC was detected during one sampling round at 0.058 ug/L, which was below the GWQC of 0.20 ug/L.

A total of 22 metals were detected during the seven sampling rounds. Of the 22 metals detected, 15 metals (barium, beryllium, cadmium, calcium, cobalt, copper, magnesium, mercury, nickel, potassium, silver, sodium, thallium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. Seven metals (aluminum, antimony, arsenic, chromium, iron, lead, and manganese) were detected above their respective GWQC, but none are identified as COC.

Aluminum was detected during all seven sampling rounds ranging from 616 ug/L to 10,300 ug/L. All of the detections exceeded the GWQC for aluminum of 200 ug/L, but did not exceed the MBC for aluminum of 121,000 ug/L. Iron was detected during all seven sampling rounds ranging from 16,500 ug/L to 50,700 ug/L. None of the detections exceeded the MBC for iron of 431,000 ug/L, but all seven of the detections exceeded the GWQC for iron of 300 ug/L. Manganese was detected during all seven sampling rounds ranging from 52.4 ug/L to 247 ug/L. None of the detections exceeded the MBC for manganese of 331 ug/L, but all seven of the detections exceeded the GWQC of 50 ug/L. These metals are considered to be naturally occurring within the native soil types present at Fort Monmouth and are not identified as COC.

Antimony was detected in two sampling rounds at 3.76 ug/L and 566 ug/L. The detection at 566 ug/L during the March 2000 sampling event exceeded the GWQC for antimony of 20 ug/L. MW-06 has been sampled during three subsequent sampling events in June, September, and December 2000, and the reported results for antimony have all been non-detect (ND). (These analytical results will be submitted to the NJDEP under separate cover at a later date.)

Arsenic was detected in two sampling rounds at 16.5 ug/L (November 1998) and at 5.60 ug/L (March 2000). The November 1998 results exceeded the GWQC for arsenic of 8 ug/L. Since the November 1998 detection, the only other detection for arsenic did not exceed the GWQC.

Chromium was detected in all seven sampling rounds ranging from 6.40 ug/L to 16,000 ug/L. Two of the detections for chromium exceeded the GWQC of 100 ug/L, and the highest detected concentration of 16,000 ug/L reported during the March 2000 sampling event was anomalous. The reported results for chromium from the three subsequent sampling events at MW-06 in June, September, and December 2000, have been 10.3 ug/L, 1.59 ug/L and ND, respectively. All were below the GWQC.

Lead was detected in six sampling rounds ranging from 6.26 ug/L to 90.5 ug/L. The detections from the first three sampling rounds, 13.6 ug/L, 22.4 ug/L, and 90.5 ug/L, respectively, exceeded the GWQC of 10 ug/L. However, the reported results for lead over the four subsequent sampling rounds have all been below the GWQC.

Antimony, arsenic, chromium, and lead are not identified as COC based upon the most recent laboratory data.

Monitoring Well MW-07

During the seven rounds of groundwater sampling conducted to-date at MW-07 (October 1998 – March 2000), there were two VOC detected, acetone and 2-butanone. Acetone was detected during one sampling event at 6.63 ug/L and 2-butanone was detected during three sampling events at 5.45 ug/L, 11.10 ug/L, and 11.29 ug/L. None of the detections for acetone and 2-butanone exceeded the respective GWQC.

There were no SVOC, pesticides, or PCB detected during the seven sampling rounds.

A total of 21 metals were detected during the seven sampling rounds. Of the 21 metals detected, 17 metals (antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, magnesium, mercury, nickel, potassium, selenium, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. Four metals (aluminum, iron, lead, and manganese) were detected above their respective GWQC, but none are identified as COC.

Aluminum was detected during all seven sampling rounds ranging from 248 ug/L to 3,870 ug/L. All of the detections exceeded the GWQC for aluminum of 200 ug/L, but none exceeded the MBC for aluminum of 121,000 ug/L. Iron was detected during all seven sampling rounds ranging from 14,800 ug/L to 118,000 ug/L. None of the detections exceeded the MBC for iron of 431,000 ug/L, but all seven of the detections exceeded the GWQC for iron of 300 ug/L. Manganese was detected during all seven sampling rounds ranging from 70.1 ug/L to 156 ug/L. None of the detections exceeded the MBC for manganese of 331 ug/L, but all seven of the detections exceeded the GWQC for manganese of 50 ug/L.

Lead was detected in five of the sampling rounds ranging from 3.41 ug/L to 16.4 ug/L. The detections from the first two sampling rounds, 13.0 ug/L in October 1998 and 16.4 ug/L in November 1998 exceeded the GWQC for lead of 10 ug/L. Since the first two sampling rounds,

the reported results for lead over the five subsequent sampling rounds have either been ND (2 rounds) or the detections were below the GWQC (3 rounds).

Monitoring Well MW-08

During the seven rounds of groundwater sampling conducted to-date at MW-08 (October 1998 – March 2000), three VOC were detected: 2-butanone, acetone and benzene. 2-Butanone was detected during two sampling events at 28.18 ug/L and 86.82 ug/L. Acetone was detected during two sampling events at 11.27 ug/L and 17.89 ug/L. None of the detections for acetone and 2-butanone exceeded the respective GWQC of 300 ug/L and 700 ug/L. Benzene was detected during five sampling events ranging from 2.66 ug/L to 7.46 ug/L. All five detections exceeded the GWQC for benzene of 1 ug/L. Benzene is considered to be a COC.

There were no SVOC, pesticides, or PCB detected during the seven sampling rounds.

A total of 20 metals were detected during the seven sampling rounds. Of the 20 metals detected, 15 metals (antimony, arsenic, barium, beryllium, calcium, chromium, cobalt, copper, magnesium, mercury, nickel, potassium, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. Five metals (aluminum, cadmium, iron, lead, and manganese) were detected above their respective GWQC, but none are identified as COC.

Aluminum was detected during all seven sampling rounds ranging from 616 ug/L to 8,250 ug/L. All of the detections exceeded the GWQC for aluminum of 200 ug/L, but did not exceed the MBC for aluminum of 121,000 ug/L. Iron was detected during all seven sampling rounds ranging from 18,400 ug/L to 142,000 ug/L. None of the detections exceeded the MBC for iron of 431,000 ug/L, but all seven of the detections exceeded the GWQC for iron of 300 ug/L. Manganese was detected during all seven sampling rounds ranging from 55.1 ug/L to 74.6 ug/L. None of the detections exceeded the MBC for manganese of 331 ug/L, but all seven of the detections exceeded the GWQC of 50 ug/L. Aluminum, iron, and manganese are not identified as COC.

Cadmium was detected in four sampling rounds ranging from 0.925 ug/L to 4.14 ug/L, with the maximum detection slightly exceeding the GWQC of 4 ug/L. Lead was detected in all seven sampling rounds ranging from 3.37 ug/L to 45.0 ug/L. Four of the detections for lead exceeded the GWQC of 10 ug/L, but only the detection from the November 1998 sampling round (45.0 ug/L) was significantly greater than the remaining data for this well. The lead results reported from the last two sampling rounds (October 1999 and March 2000) have both been below the GWQC. Cadmium and lead are not identified as COC.

Monitoring Well MW-09

During the seven rounds of groundwater sampling conducted to-date at MW-09 (October 1998 – March 2000), there were four VOC detected, 2-butanone, acetone, benzene, and CB. 2-Butanone was detected during two sampling events at 3.19 ug/L and 5.47 ug/L. Acetone was detected during two sampling event at 6.22 ug/L and 6.30 ug/L. CB was detected during one sampling

event at 1.99 ug/L. None of the detections for 2-butanone, acetone, or CB exceeded the respective GWQC of 300 ug/L, 700 ug/L and 4 ug/L. Benzene was detected during all seven sampling rounds ranging from 2.21 ug/L to 538.24 ug/L. All five of the detections for benzene exceeded the GWQC of 1 ug/L. In addition, the detections for benzene have steadily decreased from the maximum detection at 538.24 ug/L (October 1998) to 2.21 ug/L (March 2000). Benzene is identified as a COC.

There was one SVOC detected during the seven sampling rounds. Phenol was detected during one sampling round at 4.47 ug/L, below the GWQC for phenol of 4000 ug/L.

There were two pesticides detected during the seven sampling rounds. 4,4'-DDD was detected during two sampling rounds at 0.007 ug/L and 0.046 ug/L, which were below the GWQC of 0.10 ug/L. 4,4'-DDE was detected during one sampling round at 0.033 ug/L which was below the GWQC of 0.10 ug/L. There were two PCB detected during the seven sampling rounds. Arochlor 1016 was detected during three sampling rounds at 0.244 ug/L, 0.260 ug/L, and 0.700 ug/L, with the highest detection exceeding the GWQC for PCB of 0.50 ug/L. Arochlor 1254 was detected during four sampling events ranging from 1.187 ug/L to at 3.850 ug/L. All four of the detections exceeded the GWQC for PCB of 0.50 ug/L. Due to the relative insolubility and immobility of PCB in the groundwater and the low occurrence at the site, the PCB are not identified as COC. Furthermore, a low flow sampling approach was employed by the DPW to further discount the detection of PCB (and metals) at the site, which is discussed in the subsequent paragraphs.

A total of 22 metals were detected during the seven sampling rounds. Of the 22 metals detected, 15 metals (antimony, barium, beryllium, calcium, cobalt, copper, magnesium, mercury, nickel, potassium, selenium, silver, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. Seven metals (aluminum, arsenic, cadmium, chromium, iron, lead, and manganese) were detected above their respective GWQC, but none are identified as COC.

Aluminum was detected during all seven sampling rounds ranging from 616 ug/L to 8,250 ug/L. All of the detections exceeded the GWQC for aluminum of 200 ug/L, but did not exceed the MBC of 121,000 ug/L. Iron was detected in all seven sampling rounds ranging from 10,400 ug/L to 99,300 ug/L, with all of the detections exceeding the GWQC of 300 ug/L, but none of the detections exceeding the MBC of 431,000 ug/L. Manganese was detected in all seven sampling rounds ranging from 1,200 ug/L to 4,260 ug/L, with all of the detections exceeding the GWQC of 50 ug/L and the MBC of 331 ug/L. Because the aluminum, manganese, and iron are considered to be natural constituents of the native soils at Fort Monmouth, and based on the trends at this location and adjacent monitoring wells, these constituents are not identified as a COC.

Arsenic was detected in five sampling rounds ranging from 3.90 ug/L to 22.1 ug/L, with two of the detections exceeding the GWQC of 8 ug/L. Cadmium was detected in six sampling rounds ranging from 0.987 ug/L to 15.2 ug/L, with three of the detections exceeding the GWQC of 4

ug/L. Chromium was detected in all seven sampling rounds ranging from 7.97 ug/L to 309 ug/L, with two of the detections exceeding the GWQC of 100 ug/L. Lead was detected in all seven sampling rounds ranging from 7.00 ug/L to 95.9 ug/L, with six of the detections exceeding the GWQC of 10 ug/L. Based on the relatively minor nature of the exceedances at this location, the frequency of detections at the site, and the data trends for this well and adjacent wells, the arsenic, cadmium, chromium and lead are not identified as COC.

During evaluation of the Quarterly Groundwater Monitoring Program results, the DPW attempted to determine if the detected PCB and specific metal concentrations observed primarily in the groundwater samples from MW-06 and MW-09 were a function of contaminated sediments entrained in the monitoring well during the course of well purging and sampling activities, or an accurate representation of aquifer/groundwater conditions. The DPW proposed to the NJDEP to sample these wells using a low flow sampling technique. Monitoring wells MW-6 and MW-9 were sampled twice (January 5 and January 27, 2000) using low flow techniques. The results of the low flow sampling for lead and PCB were ND, showing that the reported lead and PCB concentrations were most likely attributable to sediment entrained in the samples during the sampling event and not representative of actual groundwater conditions.

As shown below, similar results were observed for many of the remaining metals, particularly the metals regarded as uncharacteristic of the site soils (arsenic, antimony, beryllium, cadmium, chromium, cobalt, lead, mercury, selenium, silver, thallium, vanadium). Significant decreases in the concentrations of metals were also observed for many of the more commonly occurring soil constituents, such as: aluminum, barium, calcium, copper, iron, magnesium, manganese, nickel, potassium, sodium, and zinc. However, these more common constituents were consistently observed even when the low-flow sampling methodology was performed.

Fort Monmouth Main Post – Comparison of Quarterly Groundwater Sampling and Low Flow Sampling at MW-09

Metals (Total)	Range of Quarterly Groundwater Sampling Results MW-09 (ug/L)	Result of Low Flow Sampling Performed 6 January 2000 (ug/L)	NJDEP Groundwater Quality Criteria (ug/L)
Aluminum	**455 – 32,300**	**385**	200
Antimony	ND – 4.08	ND	20
Arsenic	ND – **22.1**	ND	8
Barium	77.5 – 279	56.9	2,000
Beryllium	ND – 4.47	ND	20
Cadmium	ND – **15.2**	ND	4
Calcium	46,000 – 99,300	47,800	NLE
Chromium	7.97 - **309**	5.80	100
Cobalt	ND – 16.8	ND	NLE
Copper	ND - 193	99.0	1,000
Iron	**10,400 – 99,300**	**6,780**	300

Metals (Total)	Range of Quarterly Groundwater Sampling Results MW-09 (ug/L)	Result of Low Flow Sampling Performed 6 January 2000 (ug/L)	NJDEP Groundwater Quality Criteria (ug/L)
Lead	7.0 – **95.9**	ND	10
Magnesium	5,260 - 14,100	4,250	NLE
Manganese	**1,200 – 4,260**	**1,070**	50
Mercury	ND – **3.46**	ND	2
Nickel	1.10 – 46.8	2.50	100
Potassium	6,860 – 31,600	5,680	NLE
Selenium	ND – 6.57	ND	50
Silver	ND – 4.9	ND	20
Sodium	4,560 – 10,500	7,360	50,000
Thallium*	ND	ND	10
Vanadium	3.29 - 145	2.0	NLE
Zinc	105 – 2,300	27.0	5,000

ND – Not Detected.
NLE – No Limit Established.
* Thallium has not been detected in any sampling rounds to-date at MW-09.

Monitoring Well MW-10

During the seven rounds of groundwater sampling conducted to-date at MW-07 (October 1998 – March 2000), there were two VOC detected: 2-butanone and acetone. 2-butanone was detected during three sampling events at 2.85 ug/L, 9.93 ug/L, and 12.64 ug/L. Acetone was detected during two sampling events at 5.21 ug/L and 9.04 ug/L. None of the detections for 2-butanone and acetone exceeded the respective GWQC of 300 ug/L and 700 ug/L.

There were no SVOC, pesticides, or PCB detected during the seven sampling rounds.

A total of 20 metals were detected during the seven sampling rounds. Of the 20 metals detected, 17 metals (antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, lead, magnesium, mercury, nickel, potassium, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. Three metals (aluminum, iron, and manganese) were detected above their respective GWQC, but none are identified as COC.

Aluminum was detected during all seven sampling rounds ranging from 98.4 ug/L to 5,610 ug/L. Six of the seven detections exceeded the GWQC for aluminum of 200 ug/L. None of the detections for aluminum exceeded the MBC of 121,000 ug/L. Iron was detected during all seven sampling rounds ranging from 4,280 ug/L to 65,600 ug/L. None of the detections exceeded the MBC for iron of 431,000 ug/L, but all seven of the detections exceeded the GWQC for iron of 300 ug/L. Manganese was detected during all seven sampling rounds ranging from 22.5 ug/L to 104 ug/L. None of the detections exceeded the MBC for manganese of 331 ug/L, but all four of

the detections exceeded the GWQC for manganese of 50 ug/L. Aluminum, iron, and manganese are not identified as COC.

Monitoring Well MW-11

During the first two rounds of groundwater sampling conducted at MW-11 (May and June 2000), benzene was the only VOC detected. It was detected only during the May sampling event at 98.01 ug/L, which exceeded the GWQC of 1.0 ug/L. MW-11 has been sampled during two subsequent sampling events, September and December 2000, and the reported results for benzene were 78.23 ug/L and 82.83 ug/L, respectively. (These analytical results will be submitted to the NJDEP under separate cover at a later date.)

MW-11 was screened from 30 –50 ft bgs and was installed at a depth below the fill material. Based on groundwater elevation data collected from Well MW-11 and from its shallower, downgradient sister well (Well MW-09) as shown in the Table below, an upward hydraulic gradient, ranging from 0.038 to 0.118, was observed in the MW-11 area.

Vertical Hydraulic Gradients in the MW-11 Area

Well No.	Screen Interval (ft bgs)	Top of Casing elevation (ft above MSL)	Date	Depth to Water (ft bgs)	Groundwater Elevation (ft above MSL	Vertical Hydraulic Gradient (ft/ft)
MW-9	5-15	14.09	9/28/00	10.11	3.98	0.038 "up"
			12/29/00	10.80	3.29	0.118 "up"
MW-11	30 - 50	13.83	9/28/00	8.71	5.12	0.038 "up"
			12/29/00	7.00	6.83	0.118 "up"

MSL – Mean Sea Level

This upward gradient, typical of an area bordering a stream, should prevent benzene detected in MW-11 from migrating deeper into the aquifer. In fact, it will facilitate the flushing of contaminants from MW-11 upward into the shallow portions of the aquifer where the proposed remedial action will effectively eliminate the benzene.

There were no SVOC, pesticides, or PCB detected during the two sampling events.

A total of 16 metals were detected during the two sampling rounds. Of the 16 metals detected, 14 metals (aluminum, antimony, barium, calcium, chromium, copper, magnesium, manganese, nickel, potassium, selenium, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. Two metals (iron and lead) were detected above their respective GWQC, but neither is identified as a COC.

Iron was detected in both sampling events (397 ug/L and 306 ug/L) above the GWQC of 300 ug/L but below the MBC of 431,000 ug/L. Iron is a naturally occurring constituent of the soil types at Fort Monmouth and is not identified as a COC.

Lead was detected in the June sampling event at 84.5 ug/L, which was above the GWQC of 10 ug/L. However, MW-11 has been sampled during two subsequent sampling events, September and December 2000, and the reported results for lead were ND. (These analytical results will be submitted to the NJDEP under separate cover at a later date.)

Monitoring Well MW-12

During the two rounds of groundwater sampling conducted to-date at MW-12 (May and June 2000), there were no VOC detected. Bis(2-Ethylhexyl)phthalate was the only SVOC detected. Bis(2-Ethylhexyl)phthalate was detected during both sampling events at 1.81 ug/L and 3.04 ug/L, respectively, below the GWQC of 30 ug/L. There were no pesticides or PCB detected during the two sampling events.

A total of 15 metals were detected during the two sampling rounds. Of the 15 metals detected, 14 metals (aluminum, antimony, barium, calcium, chromium, copper, lead, magnesium, manganese, nickel, potassium, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. One metal (iron) was detected above its respective GWQC, but is not identified as a COC.

Iron was detected at 792 ug/L and 1,410 ug/L, which exceeded the GWQC for iron of 300 ug/L. However, these concentrations are both below the MBC for iron of 431,000 ug/L. Iron is not identified as a COC.

Monitoring Well MW-13

During the two rounds of groundwater sampling conducted to-date at MW-13 (May and June 2000), there were no VOC detected. Bis(2-Ethylhexyl)phthalate was the only SVOC detected. Bis(2-Ethylhexyl)phthalate was detected during one sampling event at 4.86 ug/L which was below the GWQC of 30 ug/L. There were no pesticides or PCB detected during the two sampling events.

A total of 15 metals were detected during the two sampling rounds. Of the 15 metals detected, 13 metals (aluminum, barium, calcium, chromium, cobalt, copper, lead, magnesium, nickel, potassium, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. Two metals (iron and manganese) were detected above their respective GWQC during both sampling rounds, but neither is identified as a COC.

Iron was detected at 13,200 ug/L and 11,400 ug/L, which exceeded the GWQC for iron of 300 ug/L. Manganese was detected at 101 ug/L and 90.4 ug/L, which exceeded the GWQC for manganese of 50 ug/L. However, these detections were all below the respective MBC, which for iron is 431,000 ug/L and for manganese is 331 ug/L.

Monitoring Well MW-14

During the two rounds of groundwater sampling conducted to-date at MW-14 (May and June 2000), there were no VOC detected. Three SVOC were detected: 2-methylnaphthalene,

acenaphthene, and naphthalene. 2-Methylnaphthalene was detected during one sampling event at 1.36 ug/L (there is no GWQC for 2-methylnaphthalene). Acenaphthene was detected during one sampling event at 1.19 ug/L, which is below the GWQC 400 ug/L. Naphthalene was detected during both sampling events at 1.59 ug/L and 3.46 ug/L, respectively (there is no GWQC for naphthalene). There were no pesticides or PCB detected during the two sampling events.

A total of 13 metals were detected during the two sampling rounds. Of the 13 metals detected, 10 metals (barium, calcium, chromium, magnesium, mercury, nickel, potassium, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. Three metals (aluminum, iron and manganese) were detected above their respective GWQC during both sampling rounds, but are not identified as COC.

Aluminum was detected in one sampling event at 206 ug/L, which exceeded the GWQC of 200 ug/L. Iron was detected in both sampling events at 36,000 ug/L and 138,900 ug/L, respectively, which exceeded the GWQC for iron of 300 ug/L. Manganese was detected in both sampling events at 284 ug/L and 329 ug/L, which exceeded the GWQC for manganese of 50 ug/L. However, these detections are all below the respective MBC, which for aluminum is 121,000 ug/L, for iron is 431,000 ug/L, and for manganese is 331 ug/L.

Monitoring Well MW-15

During the two rounds of groundwater sampling conducted to-date at MW-15 (May and June 2000), toluene was the only VOC detected. Toluene was detected during both sampling rounds at 1.47 ug/L and 2.14 ug/L, respectively, which did not exceed the respective GWQC of 1000 ug/L. Eleven SVOC were detected during both sampling rounds: 2-methylnaphthalene, 4-methylphenol, acenaphthene, anthracene, benzoic acid, dibenzofuran, fluoranthene, fluorene, naphthalene, phenanthrene, and phenol. The detected values for the SVOC were all either below the respective GWQC or no GWQC existed. There were no pesticides or PCB detected during the two sampling events.

A total of 17 metals were detected during the two sampling rounds. Of the 17 metals detected, 13 metals (arsenic, barium, cadmium, calcium, chromium, cobalt, copper, magnesium, nickel, potassium, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. Four metals (aluminum, iron, lead, and manganese) were detected above their respective GWQC. No metal constituents are identified as COC.

Aluminum was detected in both sampling events at 184 ug/L and 217 ug/L, respectively, with the June result exceeding the GWQC of 200 ug/L. However, neither reported result exceeded the MBC for aluminum of 121,000 ug/L. Iron was detected in both sampling events at 4,390 ug/L and 4,950 ug/L, respectively, which exceeded the GWQC for iron of 300 ug/L, but did not exceed the MBC of 431,000 ug/L. Manganese was detected in both sampling events at 85.2 ug/L and 79.1 ug/L, which exceeded the GWQC for manganese of 50 ug/L, but not the MBC of 331

ug/L. These constituents are considered to be naturally occurring in the soil types at Fort Monmouth and are not identified as COC.

Lead was detected in both sampling events at 14.0 ug/L and 41.5 ug/L, respectively, which exceeded the GWQC for lead of 10 ug/L. However, MW-15 has been sampled during two subsequent sampling events, September and December 2000, and the reported results for lead were ND and 6.57 ug/L, respectively, which were both below the GWQC. (These analytical results will be submitted to the NJDEP under separate cover at a later date.)

Monitoring Well MW-16

During the two rounds of groundwater sampling conducted to-date at MW-16 (May and June 2000), there were no VOC detected. Bis(2-Ethylhexyl)phthalate was the only SVOC detected. Bis(2-Ethylhexyl)phthalate was detected during one sampling event at 1.74 ug/L which was below the GWQC of 30 ug/L. There were no pesticides or PCB detected during the two sampling events.

A total of 14 metals were detected during the two sampling rounds. Of the 14 metals detected, 12 metals (aluminum, barium, cadmium, calcium, chromium, cobalt, copper, magnesium, nickel, potassium, sodium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. Two metals (iron and manganese) were detected above their respective GWQC during both sampling rounds, but neither is identified as a COC.

Iron was detected in both sampling events at 7,660 ug/L and 13,700 ug/L, respectively, which exceeded the GWQC for iron of 300 ug/L. Manganese was detected in both sampling events at 280 ug/L and 247 ug/L, which exceeded the GWQC for manganese of 50 ug/L. However, these detections are all below the respective MBC, which for iron is 431,000 ug/L and for manganese is 331 ug/L.

Monitoring Well MW-17

During the two rounds of groundwater sampling conducted to-date at MW-17 (May and June 2000), there were no VOC, SVOC, pesticides, or PCB detected.

A total of 14 metals were detected during the two sampling rounds. Of the 14 metals detected, 12 metals (barium, calcium, chromium, cobalt, copper, magnesium, manganese, nickel, potassium, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. Two metals (aluminum and iron) were detected above their respective GWQC during both sampling rounds, but neither is identified as a COC.

Aluminum was detected in both sampling events at 613 ug/L and 515 ug/L, respectively, which exceeded the GWQC for aluminum of 200 ug/L. Iron was detected in both sampling events at 767 ug/L and 325 ug/L, respectively, which exceeded the GWQC for iron of 300 ug/L. However, these detections are all below the respective MBC, which for aluminum is 121,000 ug/L and for iron is 431,000 ug/L. Aluminum and iron are not identified as COC.

Monitoring Well MW-18

During the two rounds of groundwater sampling conducted to-date at MW-18 (May and June 2000), there were no VOC, SVOC, pesticides, or PCB detected.

A total of 12 metals were detected during the two sampling rounds. Of the 12 metals detected, ten metals (aluminum, barium, calcium, chromium, magnesium, nickel, potassium, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. Two metals (iron and manganese) were detected above their respective GWQC during both sampling rounds, but neither is identified as a COC.

Iron was detected in both sampling events at 13,300 ug/L and 11,000 ug/L, respectively, which exceeded the GWQC for iron of 300 ug/L. Manganese was detected in both sampling events at 140 ug/L and 137 ug/L, respectively, which exceeded the GWQC for manganese of 50 ug/L. However, these detections are all below the respective MBC, which for iron is 431,000 ug/L and for manganese is 331 ug/L. Iron and manganese are not identified as COC.

Monitoring Well MW-19

During the two rounds of groundwater sampling conducted to-date at MW-19 (May and June 2000), there were no VOC, SVOC, pesticides, or PCB detected.

A total of 16 metals were detected during the two sampling rounds. Of the 16 metals detected, 13 metals (antimony, barium, calcium, chromium, copper, magnesium, mercury, nickel, potassium, selenium, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. Three metals (aluminum, iron, and manganese) were detected above their respective GWQC, but none is identified as a COC.

Aluminum was detected in one sampling event at 555 ug/L, which exceeded the GWQC of 200 ug/L. Iron was detected in both sampling events at 1,860 ug/L and 830 ug/L, respectively, which exceeded the GWQC for iron of 300 ug/L. Manganese was detected in both sampling events at 74.4 ug/L and 66.7 ug/L, exceeding the GWQC for manganese of 50 ug/L. However, these detections are all below the respective MBC, which for aluminum is 121,000 ug/L, for iron is 431,000 ug/L, and for manganese is 331 ug/L. Aluminum, iron and manganese are not identified as COC.

Monitoring Well MW-20

During the two rounds of groundwater sampling conducted to-date at MW-20 (May and June 2000), there were no VOC, SVOC, pesticides, or PCB detected.

A total of 14 metals were detected during the two sampling rounds. Of the 14 metals detected, 12 metals (antimony, barium, calcium, chromium, copper, magnesium, manganese, nickel, potassium, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. Two metals (aluminum and iron) were detected above their respective GWQC, but neither is identified as a COC.

Aluminum was detected in both sampling events and during May at 444 ug/L, which exceeded the GWQC for aluminum of 200 ug/L. Iron was detected in both sampling events at 2,040 ug/L and 437 ug/L, respectively, which exceeded the GWQC for iron of 300 ug/L. However, these detections are all below the respective MBC, which for aluminum is 121,000 ug/L and for iron is 431,000 ug/L. Aluminum and iron are not identified as COC.

Monitoring Well MW-21

During the two rounds of groundwater sampling conducted to-date at MW-21 (May and June 2000), there were five VOC detected during both sampling rounds: 1,2-DCB, 1,3-DCB, 1,4-DCB, benzene, and CB. Only benzene and CB were detected above the respective GWQC. Benzene was detected at 2.60 ug/L and 3.46 ug/L, respectively, which exceeded the GWQC of 1.0 ug/L. CB was detected at 43.73 ug/L and 49.92 ug/L, respectively, which exceeded the GWQC of 4.0 ug/L. Both benzene and CB are identified as COC.

Four SVOC were detected during both sampling rounds: 1,3-DCB, 1,4-DCB, 2-methylnaphthalene, and Bis(2-Ethylhexyl)phthalate. None of the four SVOC was detected above their respective GWQC. There were no pesticides or PCB detected during the two sampling events.

A total of 16 metals were detected during the two sampling rounds. Of the 16 metals detected, 13 metals (aluminum, barium, calcium, chromium, cobalt, copper, magnesium, nickel, potassium, selenium, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. Three metals (iron, lead, and manganese) were detected above their respective GWQC, but none is identified as a COC.

Iron was detected in both sampling events at 57,700 ug/L and 63,600 ug/L, respectively, which exceeded the GWQC for iron of 300 ug/L, but not the MBC of 431,000 ug/L. Manganese was detected in both sampling events at 680 ug/L and 643 ug/L, which exceeded the GWQC for manganese of 50 ug/L and the MBC of 331 ug/L. However, based upon the frequency of occurrence and the magnitude of the detections at this monitoring well and adjacent locations, iron and manganese are not identified as a COC.

Lead was detected in both sampling events at 12.9 ug/L and 10.1 ug/L, which exceeded the GWQC for lead of 10 ug/L. MW-21 has been sampled during two subsequent sampling events, September and December 2000, and the reported results for lead were 2.28 ug/L and 10.7 ug/L, respectively. While detected slightly above the GWQC, the reported results for lead are consistent and very close to the GWQC. Lead is not identified as a COC. (These analytical results will be submitted to the NJDEP under separate cover at a later date.)

Monitoring Well MW-22

During the two rounds of groundwater sampling conducted to-date at MW-22 (May and June 2000), tert-butyl alcohol was the only VOC detected. Tert-butyl alcohol was detected during both sampling events at 373.98 ug/L and 462.08 ug/L. There is no established GWQC for tert-

butyl alcohol. There were no SVOC, pesticides, or PCB detected during the two sampling events.

A total of 13 metals were detected during the two sampling rounds. Of the 13 metals detected, 11 metals (aluminum, barium, calcium, chromium, copper, magnesium, nickel, potassium, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. Two metals (iron and manganese) were detected above their respective GWQC, but neither is identified as a COC.

Iron was detected in both sampling events at 36,100 ug/L and 33,500 ug/L, respectively, which exceeded the GWQC for iron of 300 ug/L. However, the detections for iron were both below the respective MBC of 431,000 ug/L. Manganese was detected in both sampling events at 267 ug/L and 295 ug/L, which exceeded the GWQC for of 50 ug/L. However, the detections for manganese were also below the respective MBC of 331 ug/L. Iron and manganese are not identified as COC.

Monitoring Well MW-23

During the two rounds of groundwater sampling conducted to-date at MW-23 (May and June 2000), there were three VOC detected during both sampling rounds: 1,4-DCB, benzene, and CB. Only benzene and CB were detected above the respective GWQC. Benzene was detected at 5.92 ug/L and 5.17 ug/L, respectively, which exceeded the GWQC of 1.0 ug/L. CB was detected at 44.43 ug/L and 37.26 ug/L, respectively, which exceeded the GWQC of 4.0 ug/L. Both benzene and CB are identified as COC.

Four SVOC were detected during both sampling rounds: 1,4-DCB, 2-methylnaphthalene, bis(2-ethylhexyl)phthalate, and n-nitrosodiphenylamine. None of the four SVOC were detected above their respective GWQC. There were no pesticides or PCB detected during the two sampling events.

A total of 16 metals were detected during the two sampling rounds. Of the 16 metals detected, 13 metals (aluminum, barium, calcium, chromium, cobalt, copper, magnesium, nickel, potassium, selenium, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. Three metals (iron, lead, and manganese) were detected above their respective GWQC, but none is identified as COC.

Iron was detected in both sampling events at 76,900 ug/L and 61,100 ug/L, respectively, which exceeded the GWQC for iron of 300 ug/L, but not the MBC of 431,000 ug/L. Manganese was detected in both sampling events at 361 ug/L and 292 ug/L, which exceeded the GWQC for manganese of 50 ug/L and in the first sampling event, the MBC of 331 ug/L. However, given the frequency of occurrence and the magnitude of the detections at this location and in adjacent wells, iron and manganese are not identified as a COC.

Lead was detected in one sampling event at 39.3 ug/L, which exceeded the GWQC for lead of 10 ug/L. However, MW-23 has been sampled during two subsequent sampling events, September

and December 2000, and the reported results for lead were both ND. (These analytical results will be submitted to the NJDEP under separate cover at a later date.)

Monitoring Well MW-24

During the two rounds of groundwater sampling conducted to-date at MW-24 (May and June 2000), there were three VOC detected during both sampling rounds: 1,4-DCB, benzene, and CB. Only benzene and CB were detected above the respective GWQC. Benzene was detected at 1.37 ug/L and 1.75 ug/L, respectively, which exceeded the GWQC of 1.0 ug/L. CB was detected at 5.21 ug/L and 5.67 ug/L, respectively, which exceeded the GWQC of 4.0 ug/L. Both benzene and CB are identified as COC.

Four SVOC were detected during both sampling rounds: 1,4-DCB, 2-methylnaphthalene, bis(2-ethylhexyl)phthalate. In addition, acenaphthene, fluorene, and n-nitrosodiphenylamine were each detected during one sampling round. None of the seven total SVOC was detected above their respective GWQC. There were no pesticides or PCB detected during the two sampling events.

A total of 17 metals were detected during the two sampling rounds. Of the 17 metals detected, 13 metals (barium, cadmium, calcium, chromium, cobalt, copper, magnesium, nickel, potassium, selenium, sodium, vanadium, and zinc) were measured at concentrations below their respective GWQC or no GWQC existed for the detected metal. Four metals (aluminum, iron, lead, and manganese) were detected above their respective GWQC, but none is identified as a COC.

Aluminum was detected during both sampling events and during May at 264 ug/L, which exceeded the GWQC of 200 ug/L, but not the MBC of 121,000 ug/L. Iron was detected in both sampling events at 60,300 ug/L and 56,100 ug/L, respectively, which exceed the GWQC for iron of 300 ug/L, but not the MBC of 431,000 ug/L. Manganese was detected in both sampling events at 748 ug/L and 682 ug/L, which exceeded the GWQC for manganese of 50 ug/L and the MBC of 331 ug/L. However, given the frequency of occurrence and the magnitude of the detections at this location and in adjacent wells, aluminum, iron and manganese are not identified as a COC.

Lead was detected in one sampling event at 49.5 ug/L, which exceeded the GWQC of 10 ug/L. However, MW-24 has been sampled during two subsequent sampling events, September and December 2000, and the reported results for lead were ND and 6.15 ug/L, respectively. (These analytical results will be submitted to the NJDEP under separate cover at a later date.)

Summary of Groundwater Investigation

Historically, separate phase hydrocarbons were not reported in any of the groundwater monitoring wells at the M-2 Landfill. In summarizing the Quarterly Monitoring Program, VOC were detected in 16 of the monitoring wells. Benzene and CB were the only VOC with detected concentrations that exceeded the respective GWQC. These findings appear to be consistent for the shallow fill material (i.e., depths ranging from 7 feet to 20 feet bgs) with the findings

presented in Subsection 3.2.2. However, in the four deeper wells (MW-11, MW-12, MW-19, and MW-20), only benzene has been detected, and only once at a concentration that exceeded the GWQC (MW-11). However, due to the upward hydraulic gradient in the MW-11 area, no deeper migration of the benzene is expected.

Benzene and CB are considered to be COC. **Figure 9** shows the analytical results for benzene and CB for each sampling round. In addition, benzene and CB detections above the respective GWQC have been "highlighted" on **Figure 9**.

SVOC were detected in eleven of the monitoring wells, but only one detection for bis(2-ethylhexyl)phthalate at MW05 (out of 7 sampling rounds) exceeded the respective GWQC. SVOC are not identified as COC.

Pesticides were detected in four monitoring wells (MW-01, MW-03, MW-06, and MW-09). The detections were infrequent and none of the detections exceeded the respective GWQC. Pesticides, either individually or collectively, are not identified as COC.

PCB were detected in two monitoring wells (MW-06 and MW-09) at concentrations that exceeded the respective GWQC. The findings of the PCB Investigation presented in Subsection 3.2.1 noted the detection of PCB in a number of groundwater samples collected from GeoProbe® borings and, in particular, borings located in the vicinity of MW-23 (which is also in the vicinity of MW-09). The high turbidity and sediment content of the groundwater samples collected from GeoProbe® borings were shown to be the primary factor affecting the detection of PCB.

During evaluation of the Quarterly Groundwater Monitoring Program results, the DPW decided to determine whether the PCB detected in the groundwater samples from MW-6 and MW-9 were actually in the groundwater or adhering to entrained sediment that may have been collected with the water sample. Therefore, the DPW proposed to the NJDEP to sample these wells using a low flow sampling technique. This technique essentially purges the well at a low purge rate to ensure laminar flow, minimal disturbance of the water column, and minimal contact with the atmosphere. The well is purged until indicator parameters such as conductance, pH, and dissolved oxygen content are stable. The collected sample is, therefore, believed to be more closely representative of actual aquifer conditions. A copy of the low flow-sampling plan and analytical results are provided in **Appendix C**.

Monitoring wells MW-6 and MW-9 were sampled twice, on January 5 and on January 27, 2000, using low flow techniques. The samples were analyzed for PCB and metals. The analytical results from the low flow sampling reported no PCB detections. Furthermore, PCB have not been detected at MW-11 or MW-23. MW-23 is screened at 5 – 20 ft bgs, which is at a similar depth as the groundwater samples collected from the boring locations. Well MW-11 is screened deeper within the fill material at 30 – 50 ft bgs. Based on these findings, in addition to the low solubility and immobility of these compounds, PCB are not identified as COC.

A total of nine metals have been detected above their respective GWQC during performance of the Quarterly Groundwater Monitoring Program at the M-2 Landfill: aluminum, antimony, arsenic, cadmium, chromium, iron, lead, manganese, and silver. Aluminum has been detected in 14 wells above the GWQC of 200 ug/L (MW-01, 04, 05, 06, 07, 08, 09, 10, 14, 15, 17, 19, 20,and 24). Although aluminum concentrations exceeded the GWQC, the reported concentrations did not exceed the MBC for aluminum of 121,000 ug/L. Similarly, iron has been detected in all 24 wells above the GWQC of 300 ug/L; however, no detections exceeded the MBC for iron of 431,000 ug/L. In addition, manganese was detected in 19 wells above the GWQC of 50 ug/L (MW-01, 02, 03, 04, 06, 07, 08, 09, 10, 13, 14, 15, 16, 18, 19, 21, 22, 23, and 24), with some of the detections exceeding the MBC of 331 ug/L. As previously discussed, aluminum, manganese, and iron are considered to be natural constituents of the native soils at Fort Monmouth, and based on the information presented, aluminum, iron, and manganese are not identified as COC.

Antimony was detected above the GWQC of 20 ug/L only at MW-06 at 566 ug/L during one sampling event (March 1999). There was only one previously reported detection for antimony at MW-06, which was 3.76 ug/L observed during the November 1998 sampling event. The reported results for antimony for the other five sampling rounds were ND. The analytical results of the low flow sampling performed at MW-06 (summarized below) reported antimony at 5 ug/L, i.e., below the GWQC. Antimony is not identified as a COC.

Arsenic was detected above the GWQC of 8 ug/L at MW-05 during one sampling round - 8.86 ug/L (November 1998), at MW-06 during one sampling round - 16.5 ug/L (November 1998), and at MW-09 during two sampling rounds -13.3 ug/L (November 1998) and 22.1 ug/L (June 1999). The detection at MW-05 marginally exceeded the GWQC and the reported results for arsenic for the subsequent five sampling rounds have not exceeded the GWQC. The detection in November 1998 that exceeded the GWQC at MW-06 has been followed by five sampling rounds having only one reported detection for arsenic at 5.6 ug/L, i.e., below the GWQC. At MW-06, the three sampling rounds since the June 1999 detection have reported arsenic at 3.9 ug/L, 5.86 ug/L, and ND, all of which were below the GWQC. In addition, the analytical results of the low flow sampling performed at MW-06 (summarized below) reported arsenic at ND. Arsenic is not identified as a COC.

Cadmium was detected in three monitoring wells (MW-01, 08, and 09) above the GWQC of 4.0 ug/L. At MW-01, one detection at 6.23 ug/L during one sampling round (November 1998) exceeded the GWQC. The five subsequent sampling rounds have not exceeded the GWQC. Similarly at MW-08, one detection at 4.14 ug/L during one sampling round (June 1999) slightly exceeded the GWQC. The three subsequent sampling rounds at MW-08 have not exceeded the GWQC. At MW-09, cadmium was detected in exceedence of the GWQC during three sampling rounds ranging from 4.49 - 15.2 ug/L. However, the analytical results of the low flow sampling performed at MW-09 reported cadmium at ND. Cadmium is not identified as a COC.

Fort Monmouth Main Post – Comparison of Quarterly Groundwater Sampling and Low Flow Sampling at MW-06

Metals (Total)	Range of Quarterly Groundwater Sampling Results MW-06 (ug/L)	Result of Low Flow Sampling Performed 6 January 2000 (ug/L)	NJDEP Groundwater Quality Criteria (ug/L)
Aluminum	**616 – 10,300**	ND	200
Antimony	ND – **566**	5.0	20
Arsenic	ND – **16.5**	ND	8
Barium	90.3 - 189	65.5	2,000
Beryllium	ND – 1.52	ND	20
Cadmium	ND – 3.28	ND	4
Calcium	39,300 – 54,000	43,900	NLE
Chromium	6.4 – **16,000**	1.2	100
Cobalt	0.579 – 29.3	ND	NLE
Copper	ND – 55.1	60.0	1,000
Iron	**16,500 – 50,700**	**11,600**	300
Lead	ND – **90.5**	ND	10
Magnesium	4,710 - 14,100	5,300	NLE
Manganese	**52.4 – 247**	**53.9**	50
Mercury	ND – 0.47	0.17	2
Nickel	ND – 18.9	2.00	100
Potassium	5,490 – 15,100	6,160	NLE
Selenium*	ND	ND	50
Silver	ND – 3.83	10.0	20
Sodium	4,540 – 8,620	8,180	50,000
Thallium	ND – 6.7	ND	10
Vanadium	3.53 – 46.6	ND	NLE
Zinc	11.3 – 392	13.0	5,000

ND – Not Detected.
NLE – No Limit Established.
* Selenium has not been detected in any sampling rounds to-date at MW-06.

Chromium was detected in two monitoring wells above the GWQC of 100 ug/L, MW-06 and MW-09. There were two sampling rounds with detections for chromium above the GWQC at MW-06, 105 ug/L in November 1998 and 16,000 ug/L in March 2000. There were also two sampling rounds with detections for chromium above the GWQC at MW-09, 116 ug/L in November 1998 and 309 ug/L in June 1999. At MW-06, the November 1998 detection only marginally exceeded the GWQC and the March 2000 detection can be considered an anomaly given the average of the previous six sampling rounds – 26 ug/L. At MW-09, the last three sampling rounds have all reported detections below the GWQC. In addition, the results of the low flow sampling at MW-06 and MW-09 for chromium were below the GWQC at 1.2 ug/L and 67.2 ug/L, respectively. Chromium is not identified as a COC.

Lead has been detected at 12 monitoring wells above the GWQC of 10 ug/L (MW-01, 03, 05, 06, 07, 08, 09, 11, 15, 21, 23, and 24). At MW-01, the detection at 11.0 ug/L reported for the October 1999 sampling round slightly exceeded the GWQC. The subsequent nine sampling rounds reported seven rounds at ND and two rounds with detections (6.95 ug/L and 4.10 ug/L) that were both below the GWQC. At MW-03, the detection at 13.0 ug/L reported for the October 1999 sampling round marginally exceeded the GWQC. The subsequent nine sampling rounds reported either ND (4 rounds) or detections that were below the GWQC (5 rounds). At MW-05 the detection at 15.3 ug/L reported for the November 1998 sampling round exceeded the GWQC. Since the November 1998 sampling round, the five subsequent reported detections for lead have all been below the GWQC. At MW-06, the detections reported for lead from the first three sampling rounds, 13.6 ug/L, 22.4 ug/L, and 90.5 ug/L, respectively, exceeded the GWQC of 10 ug/L. However, the reported results for lead over the four subsequent sampling rounds have all been below the GWQC or ND. At MW-07, the detections from the first two sampling rounds, 13.0 ug/L in October 1998 and 16.4 ug/L in November 1998 exceeded the GWQC for lead. Since the first two sampling rounds, the reported results for lead over the five subsequent sampling rounds have either been ND (2 rounds) or the detections were below the GWQC (3 rounds). At MW-08, four of the reported detections for lead exceeded the GWQC. However, the lead results reported from the last two sampling rounds (October 1999 and March 2000) have both been below the GWQC. At MW-09, six of the reported detections for lead exceeded the GWQC. As previously discussed, the results of the low flow sampling performed at MW-09 for lead was ND, showing that the reported lead concentrations were most likely attributable to sediment entrained in the samples during the sampling event and not representative of actual groundwater conditions. Lead was detected at MW-11 in the June sampling event at 84.5 ug/L, which was above the GWQC. MW-11 has been sampled during two sampling events, September and December 2000, and the reported results for lead were ND. (These analytical results will be submitted to the NJDEP under separate cover at a later date.) Lead was detected in both sampling events (May and June 2000) at MW-15 at 14.0 ug/L and 41.5 ug/L, respectively, which exceeded the GWQC. MW-15 has been sampled during two subsequent sampling events, September and December 2000, and the reported results for lead were ND and 6.57 ug/L, respectively, which were both below the GWQC. Lead was also detected in both the May and June 2000 sampling events at MW-21 at 12.9 ug/L and 10.1 ug/L, respectively, which slightly exceeded the GWQC. MW-21 has been sampled during two subsequent sampling events, September and December 2000, and the reported results for lead were 2.28 ug/L and 10.7 ug/L, respectively. While the December result was slightly above the GWQC, the reported results for lead have remained consistent. Lead was detected in the June 2000 sampling event at MW-23 at 39.3 ug/L, which exceeded the GWQC. MW-23 has been sampled during two subsequent sampling events, September and December 2000, and the reported results for lead were both ND.

Lead was detected at MW-24 in the May 2000 sampling event at 49.5 ug/L, which exceeded the GWQC. MW-24 has been sampled during two subsequent sampling events, September and December 2000, and the reported results for lead were ND and 6.15 ug/L, respectively. Lead is not identified as a COC.

Silver was detected at MW-02 and MW-03 above the GWQC of 20 ug/L. At MW-02, silver was detected only during the first sampling round at 41.0 ug/L. This detection is most likely attributable to a laboratory error since the laboratory calibration blank reported a result greater than the GWQC for silver. Silver has not been detected again since the first sampling round at MW-02. At MW-03, silver was detected only during the first two sampling rounds at 36.0 ug/L and 9,170 ug/L, respectively. The detection for the first sampling round (36.0 ug/L) was attributable to a laboratory error since the respective laboratory calibration blank reported a result greater than the GWQC for silver. It is also likely that the detection reported during the second sampling round (9,170 ug/L) is either attributable to a laboratory error, since this result is an order of magnitude greater than any other reported result for silver at the M-2 Landfill, or an anomaly, since silver has not been detected again at MW-03 since the first two sampling rounds. Silver is not identified as a COC.

The analytical results have been presented and evaluated for the nine metals that were detected above their respective GWQC during performance of the Quarterly Groundwater Monitoring Program at the M-2 Landfill: aluminum, antimony, arsenic, cadmium, chromium, iron, lead, manganese, and silver. Overall, the results of the low flow sampling shown for MW-06 and MW-09 suggest that many of the metals are likely attributable to sediment entrained in the groundwater samples during the regular sampling events, which are subsequently dissolved in the groundwater in the sample container as the result of acidification (preservation) of the sample. Such conditions are not representative of actual formation groundwater conditions.

In addition to the information presented above, comparison of the groundwater analytical data with the surface water data collected from Mill Creek (adjacent to the landfill) indicates that the groundwater beneath the landfill is not affecting surface water quality. In summary, no metals are identified as COC at the M-2 Landfill.

3.2.5 Aquifer Test Results - Slug Test and Pump Test

To determine the aquifer characteristics of the shallow saturated zone beneath the M-2 Landfill, slug testing was performed on monitoring wells MW-12, MW-13, MW-18, MW-20 and MW-23 and a pump test was performed on MW-19. The aquifer test results are provided in **Appendix D**.

Analysis of the water level data collected during the slug tests indicates the hydraulic conductivity of the subsurface materials is low, ranging from 1.24E -06 ft/day to 5.14E-06 ft/day and averaging 2.50E-06 ft/day.

A five-hour pumping test was conducted in MW-19 (total depth 50 ft). The groundwater levels in the pumped well and a nearby well, MW-24 (total depth 20 ft), were monitored during the test. The initial pumping rate was 3 gallons per minute (gpm). After five hours, the rate was increased to 6 gpm and then to 8 gpm, but neither pumping rate could be sustained. As would be expected, the analysis of the pump test data indicates a higher conductivity than the slug tests. Analysis of data from MW-24 establishes a hydraulic conductivity of 1.2 ft/day (transmissivity = 381 gallons/day/foot), while analysis of data from MW-19 estimates a hydraulic conductivity of

first four sampling events, ranging from 2.68 to 5.51 ug/L. In three of the sampling events, methylene chloride was also detected in the method blank. PCE was detected in all sampling events above the MDL and the SWQC of 0.39 ug/L, ranging from 2.61 to 10.38 ug/L. TCE was detected in 12 sampling events above the MDL, and in 11 sampling events above the SWQC of 1.09 ug/L, ranging from 1.03 ug/L to 2.58 ug/L.

A total of 18 surface-water samples were collected from Site 16 since 1996. The compound cis-1,2-Dichloroethene was detected above the MDL in ten sampling events, ranging from 1.27 to 3.56 ug/L. Methyl-tert-butyl ether was detected above the MDL in one sampling event at 2.33 ug/L. SWQC do not exist for either of these two VOC. Methylene chloride was detected above the MDL and the respective SWQC of 2.49 ug/L in the first three sampling events, ranging from 3.01 to 4.65 ug/L. In one of the sampling events, methylene chloride was also detected in the method blank. PCE was detected in all sampling events above the MDL and the SWQC of 0.39 ug/L, ranging from 1.48 to 8.20 ug/L. TCE was detected in eight of the sampling events above the MDL and in seven sampling events above the SWQC of 1.09 ug/L, ranging from 1.00 ug/L to 2.25 ug/L.

In summarizing the surface-water sampling data, PCE and TCE were consistently detected above the MDL and the respective SWQC at two of the primary sampling locations (Sites 15 and 16), and at Site 13 during the last three sampling events. PCE was also detected at both Sites 23 and 24 during the June 2000 sampling event. Acetone, cis-1,2-Dichloroethene, and methyl-tert-butyl ether were infrequently detected and have no SWQC. They are not identified as COC.

Methylene chloride was detected in the stream samples for Sites 13, 15, and 16 above the MDL and the SWQC. However, in each case, methylene chloride was also detected in the method blank. Methylene chloride is a known laboratory contaminant and is not a COC.

PCE and TCE are considered to be COC, however, both VOC have been consistently detected in the surface water samples collected from upstream of the landfill (Sites 13 and 15), and then again at Site 23 located on the upstream edge of the landfill. It is the DPW's contention that the concentrations of PCE and TCE are from a source upgradient of the M-2 Landfill and beyond the boundary of Fort Monmouth.

3.2.7 PCB Sediment and Surface Water Sampling

On April 14, 2000, sediment samples from Mill Creek were collected by TVS personnel from 12 locations along the border of the M-2 Landfill to evaluate the potential impact to the stream from the PCB detected in the soils and shallow groundwater of the landfill. A total of 24 sediment samples and two duplicates were collected at depths of 0 to 0.5 ft and 0.5 to 1.0 ft below the stream bottom and analyzed for Total PCB. The analytical results are presented in **Table 7** and the sample locations are shown on **Figure 11**. Sample Location No. 11 and one duplicate sample (presumably collected at Sample Location No. 12) detected concentrations of PCB (Arochlor 1254 at 0.047 mg/Kg and 0.055 mg/Kg, respectively). No other PCB were detected. These

0.2 to 0.4 ft/day (transmissivity = 72 to 135 gallons/day/foot). The observed values for the hydraulic conductivity are to be expected given the silty, clayey, sandy nature of the subsurface materials beneath the M-2 Landfill.

The aquifer storage coefficients derived from the pumping test were generally less than 1E-06 with one exception. One analytical method (Hantush method for leaky aquifers) yielded a storage coefficient of 1.0E-02. This very low storage coefficients suggest that the saturated zone beneath the landfill has little effective porosity.

The hydraulic conductivities from the pump test are more realistic than the slug tests because they are based on data collected over a longer period of time and during a period of sustained pumping. The hydraulic conductivity in MW-24 may be more representative of the shallow (less than 20 ft) saturated zone while the hydraulic conductivity in MW-19 is an approximate representation of the deeper (50 ft) saturated zone. The shallow fill material, as expected, is more permeable than the native glauconitic sands underlying the landfill.

3.2.6 Surface Water Sampling

Since October 1996, stream (surface water) samples have been collected quarterly and then monthly from a total of 22 locations on Fort Monmouth associated with Parkers Creek, Lafetra Creek and Mill Creek. The M-2 Landfill is located on the south bank of Mill Creek and three of the sampling locations are located in the vicinity of the landfill. The three sample locations, which are a part of the long-term surface water monitoring program, include: Site 13 (upstream of the landfill); Site 15 (upstream of the landfill), and Site 16 (downstream of the landfill). In addition, two new sample locations have recently been added to the program, specifically: Site 23 (located on the upstream edge of the landfill) and Site 24 (located on the downstream edge of the landfill). **Figure 10** shows the five sampling locations.

The collected surface-water samples have been analyzed for VOC, pH, ammonia, nitrates, phosphate, sulfate, dissolved oxygen, coliform, and salinity. Laboratory results for VOC for the five locations are summarized on **Table 6**. Sites 13, 15, and 16 include monthly/quarterly analytical results since 1996, while Sites 23 and 24 were only sampled recently in June 2000.

A total of 18 surface-water samples were collected from Site 13 since 1996. Methylene chloride was detected above the MDL and the respective SWQC of 2.49 ug/L in the first three sampling events. Detected values ranged from 2.59 to 3.76 ug/L. In two of the sampling events, methylene chloride was also detected in the method blank. PCE was detected above the MDL and SWQC of 0.39 ug/L in the last three sampling events, ranging from 3.94 to 6.92 ug/L.

A total of 19 surface-water samples were collected from Site 15 since 1996. Acetone and methyl-tert-butyl ether were detected above the MDL in one sampling event at 4.22 ug/L and 2.38 ug/L, respectively. The compound cis-1,2-Dichloroethene was detected above the MDL in ten sampling events, ranging from 1.22 to 5.53 ug/L. SWQC do not exist for these three VOC. Methylene chloride was detected above the MDL and the respective SWQC of 2.49 ug/L in the

concentrations are well below the Lowest Effect Level of 0.060 mg/Kg for PCB listed in the NJDEP Guidance for Sediment Quality Evaluations (November 1998).

In response to the detection of PCB in one sediment sample, two rounds of surface water sampling were conducted in May and June 2000 at three locations in Mill Creek. Each sampling round was performed at both high tide and low tide. Round 1 – high tide was collected on 31 May at approximately 8:30 AM, Round 1 – low tide was collected on 1 June at approximately 3 PM, Round 2 – low tide was collected on 8 June at approximately 11AM, and Round 2- high tide was collected on 14 June at approximately 9AM. The samples were collected at the following standard Fort Monmouth surface water sampling locations (refer to **Figure 10**): No. 15 (upstream of the landfill); No. 24 (downstream of the landfill), and at No. 23, which was downgradient of sediment Sampling Location No. 11 (the location at which the PCB was detected in stream sediments). The samples were analyzed for Total PCB. The analytical results are presented in **Table 8.** There were no detections of PCB in either surface-water sampling round.

3.2.8 Sensitive Receptors/Well Survey

Searches were conducted using various databases and historical information to identify receptors and groundwater wells that may be potentially affected by the M-2 Landfill. An Offsite Receptor Report (dated 27 June 2000) was prepared for the M-2 Landfill by Environmental Data Resources, Inc. (EDR). In addition, a search of the comprehensive well database maintained by the NJDEP – Well Permitting and Regulations Section of the Bureau of Water Allocation was performed. The search was performed for a one mile radius surrounding the center point of the M-2 Landfill. A copy of the sensitive receptor survey is provided in **Appendix E** and a copy of the Well Search Summary is provided in **Appendix F**.

The results of the well search summary identified 294 database records within a one-mile radius of the M-2 Landfill, and include the following relevant wells:

- Monitoring Wells: 212 monitoring wells are identified within one mile of the M-2 Landfill. The well depths ranged from 12 to 80 ft.
- Domestic Wells: 28 domestic wells are identified within one mile of the M-2 Landfill. The well depths ranged from 40 to 230 ft.
- Irrigation Wells – 8 irrigation wells are identified within one mile of the M-2 Landfill. The wells ranged from 20 – 200 ft.
- Public Supply Wells – No public supply, public non-community, or non-public [supply] wells are identified within one mile of the M-2 Landfill.

Regarding potential human and ecological receptors, the most obvious sensitive receptor relative to the M-2 Landfill is Mill Creek, which flows along the north side of the landfill. The data base searches also indicated that two schools were located within one-half to one-mile south-southeast of the landfill. In the case of the M-2 Landfill, potential receptors are not expected to be impacted because of the following:

1. The site is located on an Army-controlled installation and is surrounded on three sides with a six-foot high chain link fence and on the fourth side by Mill Creek, which restricts access to the site.
2. Analyses of groundwater samples indicate that benzene and CB are present in the shallow groundwater in the landfill at concentrations exceeding the GWQC. In addition, benzene was detected at concentrations exceeding the GWQC in groundwater samples collected from one monitoring well (MW-11) drilled deeper into the aquifer (i.e., 50 ft bgs). However, benzene and CB have not been detected in Mill Creek. Further, the results of the groundwater-monitoring program show that VOC concentrations have decreased over time and have not migrated off-site. Based upon the findings of the well search, no public supply, public non-community, or non public [supply] wells are identified within one mile of the M-2 Landfill. Further, there are no domestic, irrigation, industrial, or supply wells existing within the boundaries of the M-2 Landfill, nor will any be installed in the future. Since no groundwater use is occurring or is anticipated to occur, the groundwater beneath the M-2 Landfill is not considered to be a potential receptor pathway.
3. Surface water samples from Mill Creek have indicated the presence of PCE and TCE in concentrations slightly above the GWQC. However, these contaminants are presumed to originate from a separate source upgradient of the M-2 Landfill and beyond the boundary of Fort Monmouth.
4. There are no expected concerns regarding direct human exposure to impacted soils. The cover afforded by the M-2 Landfill is expected to be adequate to continue to provide a barrier to direct human exposure. Additionally, since closure the past 30+ years have seen the growth and stabilization of vegetation (i.e., grass, trees, brush) on the M-2 Landfill. The current institutional controls (i.e., fencing) will be maintained to limit direct contact with the site and periodic inspections of the fencing and landfill cover will be continued.
5. In addition, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Installation Master Plan (for soils containing PCB) to restrict site development and future use of the M-2 Landfill site, and recognize the planned long-term monitoring of this area.

3.3 SUMMARY AND SITE CONCEPTUAL MODEL

The M-2 Landfill consists of a flat to gently sloping surface cover composed of vegetated soil. This earthen cover is stable, approximately 0 to 2 ft thick, and has been generally undisturbed for over 30 years. Beneath the earthen cover is fill material consisting of waste mixed with organic material, sand, silt and clay. The fill material ranges in thickness from approximately 4 ft to approximately 10 ft. Beneath the fill is the natural soil consisting of silty clays and fine sand. A generalized geologic cross-section of the landfill is depicted in **Figure 12**.

Groundwater is encountered at depths of approximately 8 ft below the surface of the landfill. The groundwater is unconfined (water table conditions) and flows north-northwest towards Mill Creek, which flows eastward into Parkers Creek. Aquifer testing, using monitoring wells

installed in the landfill, indicated that the hydraulic conductivity of the saturated materials is low and the groundwater storage capacity of the materials is very low. Consequently, groundwater movement towards Mill Creek is slow.

Sampling of the surface and subsurface soils, groundwater and surface water at the M-2 Landfill has delineated the degree and extent of potential contaminants. The surface cover soils (0 to 2 ft) had seven SVOC at concentrations above the RDCSCC randomly scattered among 12 locations across the landfill. The surface cover soils had three pesticides and four PCB compounds in concentrations above the RDCSCC scattered among 11 locations. Seven metals scattered among 19 borings exceeded the RDCSCC in the cover soils. No exceedences of the RDCSCC for VOC were detected in the cover soils. Although exceedences of NJDEP RDCSCC are identified in the near surface soils for SVOC, pesticides/PCB, and metals within the landfill, evaluation of the analytical results did not define a "source area" or level of contamination that necessitated the identification and evaluation of potential remedial actions. Either the specific calculated compliance average was below the respective RDCSCC, the exceedence was considered marginal, or the exceedence was considered an isolated location or a de minimus quantity. No further action is recommended for the near surface soils. However, to address the PCB and other contaminants detected in the near surface soils, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan.

Analyses of deeper soils in the landfill indicated that only PCB in a few scattered locations were detected at concentrations above the RDCSCC. No other compound exceedences were detected in the deeper soils. The current institutional controls in place at the M-2 Landfill (i.e., the site is located on an Army-controlled installation, and is surrounded on three sides with a six-foot high chain link fence and on the fourth side by Mill Creek restrict access to the site. To further address the PCB concentrations detected in soil at the M-2 Landfill, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Installation Master Plan for soils containing PCB to restrict site development and future use of the M-2 Landfill site, and recognize the planned long-term monitoring of this area.

Surface-water samples from Mill Creek indicated the presence of PCE and TCE in concentrations slightly above the GWQC. These compounds were not detected in the groundwater beneath the M-2 Landfill. It is the DPW's contention that the concentrations of PCE and TCE are from a source upgradient of the M-2 Landfill and beyond the boundary of Fort Monmouth.

Analyses of numerous groundwater samples indicate that benzene and CB are present in the shallow groundwater in the landfill at concentrations exceeding the GWQC. Benzene was detected in a single groundwater sample collected from a well drilled deeper into the aquifer. However, a vertically upward hydraulic gradient was calculated, which suggests that further vertical migration in the aquifer is unlikely.

Overall, the results of the low flow sampling suggest that the PCB and many of the metals detected in the groundwater are likely attributable to sediment entrained in the samples during

the regular sampling events, which are subsequently dissolved in the groundwater in the sample container as the result of acidification (preservation) of the sample. Such conditions are not representative of actual formation groundwater conditions. These contaminants are also regarded as highly immobile and insoluble.

Benzene and CB are not identified in Mill Creek, and there are no exceedences of the RDCSCC for these compounds in the soils. The distribution of benzene and CB in the groundwater may be indicative of a combination of biodegradation and retardation (due in part to the low hydraulic conductivity) that limit or prevent migration to Mill Creek. It is reasonable to assume that the concentrations of benzene and CB observed in the shallow groundwater may represent residual, equilibrium concentrations. With regard to remediation, the shallow groundwater is the only area of concern that may need to be addressed at the M-2 Landfill. The benzene detected in deep well MW-11 is not of long-term concern because the hydraulic gradient around MW-11 is upward; thereby, containing the benzene impacted groundwater within the shallow aquifer.

3.4 CLASSIFICATION EXCEPTION AREA

The findings of the RIR show that shallow groundwater within the defined boundary of the M-2 Landfill exceeds the respective GWQC for benzene and CB. The New Jersey Ground Water Quality Standards (GWQS), N.J.A.C. 7:9-6, provide the basis for the protection of ambient groundwater quality of the state. The GWQS recognize the different natural utility of groundwater in various parts of the state and classify groundwater into Classification Areas according to a combination of natural characteristics and actual or potential uses.

The GWQS allow the NJDEP to designate areas of exception to strict application of the GWQS in certain specific situations. A Classification Exception Area (CEA) is established to provide notice that the constituent standards for a given aquifer classification are not or will not be met in a localized area due to natural water quality or anthropogenic influences, and that designated aquifer uses are suspended in the affected area for the term of the CEA. The NJDEP may designate a CEA only when constituent standards are not or will not be met due to:

- natural groundwater quality;
- localized effects of a permitted discharge (e.g., effluent limits above the constituent standards with discharge outside the plume/capture zone);
- part of a pollution remedy conducted pursuant to an Administrative Consent Order (ACO) or other NJDEP oversight mechanism or program; or,
- an Alternate Concentration Limit (ACL) approved under the New Jersey Pollutant Discharge Elimination System (NJPDES).

The intent of a CEA is to restrict uses of the aquifer until the applicable GWQS are met. CEAs are typically of limited duration and are related to the term of a permit approval or estimated time for completion of a remediation. To obtain a CEA designation, three elements must be specified:

- CEA boundaries.
- Contaminants of Concern (COC).
- Duration of the Exception.

The boundaries of a proposed CEA area must meet several requirements. They must:

- Include only the area affected by the remediation program.
- Delineate the horizontal and vertical extent of current and future plume(s).
- Include an identification of all streams, roads, natural and man-made borders, and lot and block numbers of impacted properties.
- Identify all relevant geologic formations.
- Be submitted in an electronic format map compatible with NJ GIS requirements.

All contaminants for which a CEA is being sought must be identified as part of the CEA application. Both primary contaminants and breakdown products that may exceed GWQS must be identified. The duration of the remediation program must also be estimated although an indeterminate duration may be applicable in the case of inorganic species.

A Proposed CEA designation has been generated for the M-2 Landfill. The report is provided in **Appendix H**. The Proposal encompasses the required information summarized above and has been completed in accordance with the current NJDEP guidance, specifically, the procedures described in the *Final Guidance on Designation of CEAs and the Regulatory Requirements,* N.J.A.C. 7:9-6.6, published November 1998.

The data from RI indicates that two VOC analytes, benzene and CB, will require an exception to the GWQC because they are consistently present at concentrations above the GWQC in one or more wells. Metals at concentrations above GWQC will not be considered COC due to their immobility (high K_d, implicit retardation), as well as the soil chemistry and natural background conditions at Fort Monmouth, and the results of the low flow sampling performed and trends of detection reported in the RIR. The results of the groundwater-monitoring program show that VOC concentrations have decreased over time and have not migrated off-site. The fact that there is no increase in concentrations of the contaminants detected above the GWQC with time indicates that no new sources of contamination have impacted the shallow groundwater.

Based upon the findings of the well search (Subsection 3.2.8), no public supply, public non-community, or non-public [supply] wells are identified within one mile of the M-2 Landfill. Further, there are no domestic, irrigation, industrial, or supply wells existing within the boundaries of the M-2 Landfill, nor will any be installed in the future (the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Installation Master Plan to restrict site development and future use of the M-2 Landfill site, and recognize the planned long-term monitoring of this area). Since no groundwater use is occurring or is anticipated to occur, the shallow groundwater beneath the M-2 Landfill is not considered a groundwater use area. A CEA is also proposed to document the quality of the groundwater in the vicinity of the site, and limit

or prevent unauthorized uses until such time as the benzene and CB have declined to concentrations below the GWQC or site cleanup criteria.

The horizontal and vertical extent of the CEA has been identified by the analysis of existing data to determine the probable maximum extent of future contamination at concentrations above the GWQC. The CEA Proposal includes fate and transport modeling that predicts the future attenuation and migration of contaminants. Based on the analytical data and the fate and transport models used to simulate future conditions, it is predicted that the maximum extent of contamination will never be significantly larger than the current extent of contamination. A period of 5 to 9 years is required for the contaminant concentrations to degrade to less than the GWQC for benzene and CB. The results of the monitoring program at the M-2 Landfill indicate that the groundwater contaminant plume is relatively stable, and has been defined to exist in six distinct areas, covering approximately 50 percent of the Site (see **Figure 10c** of **Appendix H**). In a proactive effort to augment the natural attenuation process, Fort Monmouth is proposing to implement a remedial action for the shallow groundwater at the Site. The following section details the proposed remedial action.

SECTION 4.0
REMEDIAL ACTION WORKPLAN

4.1 CHECK LIST

The RAW was prepared in accordance with the applicable sections of N.J.A.C. 7:26E-6.2 and contains all the applicable requirements listed in that subchapter. Items required for the RAW that have been previously addressed in the remedial investigation sections of this document are referenced or restated as necessary. Specifically, this RAW submittal addresses:

- Remedial Investigations Report pursuant to N.J.A.C. 7:26E-4.8 (see **Sections 1, 2, 3 and 4.2**),

- Soil Remediation Plan (see **Section 4.2.4**)
  a) Description of remedial action and remedial technology for each area of concern (N.J.A.C. 7:26E-6.2(a) 5)
  b) Post-remedial sampling (N.J.A.C. 7:26E-6.3 & 6.4)
  c) Compound-specific cleanup goals (N.J.A.C. 7:26E-6.2(a) 4)
  d) Scaled site maps (N.J.A.C. 7:26E-4.9 & 6.2(a) 6)
  e) Permit requirements/applications (N.J.A.C. 7:26E-6.2(a) 8)
  f) System specifications and construction information (N.J.A.C. 7:26E-6.2(a) 9)
  g) Soil erosion and sediment control plan (N.J.A.C. 7:26E-6.2(a) 10)
  h) Soil disposal/soil re-use plan (N.J.A.C. 7:26E-6.4(b)),

- Groundwater Remediation Plan (see **Section 4.2.4**)
  a) Plume(s) delineated
  b) Wells properly constructed
  c) Flow direction defined, including groundwater elevation contour maps
  d) Description of remedial action and remedial technology for each area of concern (N.J.A.C. 7:26E-6.2(a) 5)
  e) Compound-specific cleanup goals (N.J.A.C. 7:26E-6.2(a) 4)
  f) Remedial monitoring plan/effectiveness evaluation plan
  g) Hydraulic control information/maintenance
  h) Treated water discharge location
  i) Scaled site maps (N.J.A.C. 7:26E-4.9 & 6.2(a) 6)
  j) Permit requirements/applications (N.J.A.C. 7:26E-6.2(a) 8)
  k) System specifications and construction information (N.J.A.C. 7:26E-6.2(a) 9),

- Data presentation format and quality assurance project plan (N.J.A.C. 7:26E-6.2(a) 7) – See **Section 4.2.3.6**,

- Site Specific Health and Safety Plan (N.J.A.C. 7:26E-6.2(a) 11) – See **Section 4.2.3.7**,

- Site restoration plan and remedial system dismantling plan (N.J.A.C. 7:26E-6.2(a) 12 &13) - See **Section 4.2.4**,
- Cost estimate (N.J.A.C. 7:26E-6.2(a) 14) - See **Section 4.2.5**, and
- Schedule of implementation (N.J.A.C. 7:26E-6.2(a) 15) – See **Section 4.2.3.4**.

4.2 SITE SUMMARY

4.2.1 Summary of Areas of Environmental Concern

As discussed in Section 3, sampling of the surface and subsurface soils, groundwater and surface waters at the M-2 Landfill has delineated the degree and extent of potential contaminants. Benzene and CB are not present in Mill Creek and there are no exceedences of the RDCSCC for these compounds in the soils. The distribution of benzene and CB in the groundwater may be indicative of a combination of biodegradation and retardation (due in part to the low hydraulic conductivity) that limit or prevent migration to Mill Creek. It is reasonable to assume that the concentrations of benzene and CB observed in the shallow groundwater may represent residual, equilibrium concentrations. In regards to remediation, the shallow groundwater is the area of concern that must be addressed. Remedial actions/technologies that accelerate or augment the natural attenuation that appears to be occurring at the landfill will be the objective of this RAW.

4.2.2 Summary of Proposed Remedial Action(s)

4.2.2.1 Area(s) Proposed for Remedial Action

The M-2 Landfill consists of a flat to gently sloping surface cover composed of vegetated soil. This earthen cover is stable, approximately 0 to 2 ft thick, and has been generally undisturbed for more than 30 years. Beneath the earthen cover is fill material consisting of waste mixed with organic material, sand, silt and clay. The fill material ranges in thickness from approximately 4 ft to approximately 10 ft. Beneath the fill is the native soil consisting of silty clays and fine sand. Groundwater is encountered at depths of approximately 8 ft below the surface of the landfill. The groundwater is unconfined (water table conditions) and flows north-northwest towards Mill Creek, which flows eastward into Parkers Creek. Aquifer testing, using monitoring wells installed in the landfill, indicated that the hydraulic conductivity of the saturated materials is low and the groundwater storage capacity of the materials is very low. Consequently, groundwater movement towards Mill Creek is slow.

The area proposed for remedial action at the M-2 Landfill is based upon the findings of the GeoProbe® soil and groundwater investigation conducted in 1999. Figure 13 presents the approximately 185 boring locations where groundwater samples were collected and analyzed for VOC. Figure 13 also presents the detections for benzene and CB and highlights ("outlined in red") the exceedences above the respective New Jersey GWQC. The results of the groundwater investigation establish the areal extent of shallow (0-12 ft bgs) groundwater contamination

(defined by several boring locations where benzene and CB were reported below the method detection limits (or Not Detected)). The shallow groundwater contamination can be further separated into six defined areas as shown on **Figure 13.** The six areas of defined shallow groundwater contamination are proposed for remedial action.

4.2.2.2 Identification of Applicable Remediation/Cleanup Standards

The COC and media for proposed remedial action at the M-2 Landfill are benzene and CB in the shallow groundwater. The applicable remediation/cleanup standards are the respective New Jersey GWQC:

- Benzene – 1 ug/L, and
- Chlorobenzene – 4 ug/L.

4.2.2.3 Proposed Classification Exception Area

As discussed in Subsection 3.3.2 of the RIR, the DPW is proposing the designation of a CEA at the M-2 Landfill site. The Proposal for a CEA at the M-2 Landfill is provided in **Appendix H.** The horizontal and vertical extent of the CEA has been identified by the analysis of existing data to determine the probable maximum extent of future contamination at concentrations above the GWQC. The CEA Proposal includes fate and transport modeling that predicts the future attenuation and migration of contaminants. Based on the analytical data and the fate and transport models used to simulate future conditions, it is predicted that the maximum extent of contamination will never be significantly larger than the current extent of contamination. The CEA Proposal established that a period of 5 to 9 years will be required for the contaminant concentrations to degrade to less than the respective GWQC for benzene and CB and that benzene and CB will not migrate beyond the boundaries of the M-2 Landfill site in the timeframes calculated. The results of the monitoring program at the M-2 Landfill indicate that the groundwater contaminant plume is relatively stable (see **Figure 10c** of **Appendix H**). In a proactive effort to augment the natural attenuation process at the M-2 Landfill, Fort Monmouth is proposing to implement a remedial action for the shallow groundwater.

4.2.2.4 Description of Proposed Remedial Actions/Technologies

The CEA calculated for the M-2 Landfill shows that groundwater contamination for benzene and CB will not migrate from the M-2 Landfill site above the respective GWQC in the timeframes calculated. Therefore, natural attenuation provides a technically defensible argument for "No Further Action" at the M-2 Landfill. However, the DPW prefers to accelerate the natural attenuation processes and has elected to evaluate several technologies to enhance remediation of the shallow groundwater. The proposed remedial actions/technologies to be evaluated at the M-2 Landfill include chemical treatment, bioremediation, and monitored natural attenuation.

Chemical Treatment

In-situ chemical treatment (oxidation) involves the introduction of one or more chemicals (primarily oxidizers such as dissolved oxygen, peroxide, potassium permanganate, or ozone) into the subsurface, which react with the COC in an exothermic reduction/oxidation (redox) chemical reaction to degrade the contaminants into non-toxic end products (usually carbon dioxide, water and fatty acids). The two primary in-situ chemical treatment (oxidation) methods used within soils and groundwater in the degradation of organic contaminants (such as benzene and CB present at this site) are:

1. dilute hydrogen, magnesium and/or calcium peroxide, also known as oxygen release compounds (ORC); and
2. Fenton reagents, a proprietary blend of iron catalysts, peroxides, and buffers.

In-situ chemical treatment (oxidation) can be undertaken in conjunction with other treatments, such as pump-and-treat, soil vapor extraction and bioremediation, to degrade remaining contaminants. A brief overview of the two in-situ chemical treatment (oxidation) methods is provided below.

Oxygen Release Compounds (ORC)

Oxygen release compounds (ORC) degrades (reduces) to water or hydroxides, therein releasing free oxygen to the system. The free oxygen subsequently is utilized by organisms in the soil/groundwater to break down organic molecules (contaminants) into smaller, simpler, non-toxic substances, such as water and fatty acids. Most ORC blends on the market are too dilute for safety concerns to produce enough free oxygen to create a substantial redox chemical degradation. They serve only as sources of additional oxygen to indigenous microbes in their bioremedial degradation of organic substances (see Bioremediation section below).

Fenton Reagents

The Fenton reagent reaction is a straightforward oxidation process in which larger organic molecules are oxidized or chemically cleaved into simpler, environmental-friendly substances, such as water and carbon dioxide. "Daughter products," or intermediate breakdown products, may be created as the result of the Fenton reagent reaction. However, these daughter products are eventually broken down by the Fenton reagent reaction. The process is extremely rapid, approximately days or weeks, as opposed to bioremediation or natural attenuation, which typically occur over periods of months or years.

The process uses a standard Fenton's reagent procedure that combines hydrogen peroxide and iron (Fe^{+2}). The catalyzed decomposition of hydrogen peroxide to form hydroxyl radicals (OH-), a strong oxidant, occurs as follows:

$$H_2O_2 + Fe^{+2} \rightarrow OH + OH^- + Fe^{+3}$$

The hydroxyl radical (OH-) attacks the carbon-carbon bonds, resulting in cleavage fragments as follows:

$$\textit{contaminants} + OH^- \rightarrow \textit{daughter products} + H_2O_2 + OH^-$$

Subsequent oxidation results in a breakdown of the contaminant fragments to carbon dioxide and water as follows:

$$\textit{daughter products} + OH^- \rightarrow H_2O + OH + CO_2$$

The Fenton reagent reaction selectively attacks carbon bonds based upon their complexity. Specifically, the presence of the carbon-carbon (C=C) double bonds in the benzene ring of molecules, such as benzene and CB, facilitates the propagation of the hydroxyl radical (OH-) addition reaction followed by ring cleavage to final by-products such as carbon dioxide and water. In short, Fenton reagents are especially reactive with benzene and chlorobenzene-type compounds. Furthermore, they can be used in the oxidation of chlorinated and non-chlorinated hydrocarbons, as well as semi-volatile organic compounds, including pesticides, and polycyclic aromatic hydrocarbons (PAHs).

The volume and chemical composition of individual treatments are based on the contaminant levels and volumes, subsurface characteristics, and pre-application laboratory test results. The methods for delivery of the chemicals may vary. The Fenton reagents are injected through a well or injector head (GeoProbe®) directly into the subsurface or combined with extract (i.e., liquid) from the site and then recirculated.

Bioremediation

Bioremediation is a treatment process that uses naturally occurring microorganisms (yeast, fungi, or bacteria) to breakdown or degrade hazardous substances into less toxic or non-toxic substances. The microorganisms consume and digest organic substances for nutrients and energy. In general, the microorganisms break down the organic contaminants into harmless products – mainly carbon dioxide and water. Once the contaminants are degraded, the microorganism population is reduced (i.e., die) with the declining food source. The dead microorganisms or small populations of microbes in the absence of food pose no contamination risk.

For bioremediation to occur, the microorganisms must be active and healthy. Bioremediation technologies assist microorganisms' growth and increase microbial populations by creating the optimum environmental conditions for detoxification of the maximum mass of contaminants. The specific bioremediation technology used is determined by several factors, including the type of microorganisms present, site conditions, and the quantity and toxicity of the contaminant chemicals. Different microorganisms degrade different types of compounds and survive under different conditions.

Indigenous microorganisms are those microbes that are naturally present at the site. To stimulate the growth of these indigenous microorganisms, the proper soil temperature, moisture content, oxygen, pH, soil redox potential, and nutrient content may need to be provided. An additional carbon source such as molasses or other inexpensive simple carbon chain sugar may be added to promote the rapid growth of the indigenous populations.

If the biological activity needed to degrade a particular contaminant is not present in the soil at the site, microorganisms from other locations, or special commercially available, cultured microbes or enzymes, whose effectiveness has been tested and documented, can be added to the contaminated media. These are called exogenous microbes and enzymes. The conditions at the site must be adjusted to ensure that the exogenous microbes will thrive.

Bioremediation can take place under aerobic and anaerobic conditions. In aerobic conditions, microorganisms use available atmospheric oxygen to function. With sufficient oxygen, and the proper environmental conditions, the microbes will convert many organic contaminants to carbon dioxide and water. Anaerobic conditions support biological activity when no oxygen is present so the microorganisms breakdown chemical compounds in the soil via beta-oxidation to release methane and carbon dioxide. Sometimes, during the aerobic and anaerobic processes of breaking down the original contaminants, intermediate products that are less toxic, equally toxic, or more toxic than the original contaminants are created.

Bioremediation applications fall into two broad categories: in-situ (in-place) or ex-situ (removed, out-of-place). In-situ bioremediation treats the contaminated soil or groundwater where originally detected. Consequently, it may be less expensive, create less dust, and cause less release of contaminants than ex-situ techniques. In addition, it is possible to treat large volume of media at one time using in-situ methods. In-situ techniques, however, are generally slower than ex-situ techniques, but are more cost effective at sites with permeable (i.e., sandy or uncompacted) soil and transmissive aquifers. Ex-situ bioremediation processes require removal of the contaminated soil or groundwater (e.g., excavation of contaminated soil or pumping of groundwater) before treatment. In the case of this Fort Monmouth RAW, only in-situ bioremediation was considered and evaluated.

The goal of aerobic in-situ bioremediation is to supply oxygen and nutrients to microorganisms in the soil. Aerobic in-situ techniques can vary in the way they supply oxygen to the microbes that degrade the contaminants. Two most common methods are bioventing and the injection of hydrogen peroxide. Oxygen can be provided naturally in well-vented soils, by pumping air into the soil above the water table (bioventing) or below the water table (air sparging), or by delivering oxygen in liquid or solid form as hydrogen peroxide or a peroxide salt to the subsurface. In-situ bioremediation may not work well in clays or in highly layered subsurface environments because oxygen cannot be evenly distributed throughout the area. In-situ remediation typically requires years to reach cleanup goals, depending mainly on the biodegradability of the specific contaminant. Less time is generally required with easily degradable contaminants.

Bioventing/Air Sparging Systems

These systems deliver air (oxygen) from the atmosphere into the soil and/or groundwater through injection wells placed in the ground where the contamination exists. The number, location, and depth of the wells depend on many geological factors and engineering considerations.

An air blower may be used to introduce air into the soil/groundwater through the injection wells. Air (oxygen) flowing through the soil/groundwater is used by the microorganisms in the oxidation of the contaminants. Nutrients, soil moisture, pH and soil Redox potential-adjusting chemical agents, and/or commercially available cultured microbes or enzymes, may be applied to the surface or pumped into the injection wells. Nitrogen, phosphorous, and supplemental carbon sources may also be required to increase the growth rate of the microorganisms.

Hydrogen Release Compounds

This method uses hydrogen release compounds (HRC) to enhance in-situ anaerobic bioremediation using proprietary polylactate ester specially formulated for slow release of lactic acid. Bioremediation using HRC is a multi-step process. Indigenous anaerobic microbes metabolize the lactic acid generated by HRC, thereby producing hydrogen. The resulting hydrogen can be used by reductive dehalogenators, which are capable of metabolizing chlorinated hydrocarbons via a process called reductive dechlorination. Major target compounds in this group include the chlorinated aliphatic hydrocarbons, such as PCE, TCE, trichloroethane (TCA), and their derivatives. By providing a long-lasting time-release hydrogen source, HRC enhances anaerobic reductive dechloronation of chlorinated hydrocarbons via anaerobic bioremediation.

Biodegradation is useful for many types of organic wastes, particularly petroleum related compounds (aerobic bioremediation), and chlorinated hydrocarbons (anaerobic bioremediation), and is a cost-effective, natural process. The extent and success of biodegradation is highly dependent on the toxicity and initial concentrations of the contaminants, their respective biodegradability, the properties of the contaminated soil, the particular treatment system, and associated operation of the system to control the soil environment and growth of microorganisms. The effectiveness of bioremediation is limited at sites with high concentrations of metals, highly chlorinated organics, or inorganic salts because these compounds are toxic to microorganisms. In the case of benzene and CB, the primary soil contaminants at the M-2 Landfill, both COC are slow degrading compounds and CB is a halogenated aromatic compound.

The soil must be carefully controlled and monitored to ensure the proper oxygen content, moisture levels, soil nutrients and optional outside carbon source levels, soil pH, soil redox potential, and temperature are maintained to optimize environmental conditions to promote and enhance the growth of microorganisms. Seasonal changes in temperature will also slow or possibly stop the biological process during winter months, as microorganisms are temperature sensitive.

Enzyme-Enhanced Bioremediation (EEB)

The key to any bioremediation process is the control of specific microorganisms under specific environmental conditions to achieve specific chemical transformations. Bioremediation requires this control to be maintained in complex hydrogeological settings to transform often-complex mixtures of compounds to carbon dioxide and water in a process called "mineralization." The process of transforming a hazardous chemical to a non-hazardous compound in a biological system is the result of complex biochemical reactions in which microorganisms (bacteria) convert the hazardous compound to energy and cell mass. Bioremediation processes are catalyzed chemical reactions in which the microorganism provides the catalyst (enzyme) to transform a specific compound (contaminant) in an oxygen-reduction (redox) reaction. Enzyme production and the subsequent reaction will not occur unless suitable environmental conditions are carefully maintained. The primary components required to sustain a bioremediation process are: a bacteria species capable of producing "target-specific enzymes" to degrade the contaminant, an energy source (contaminant), and an electron acceptor for the redox reaction. Components of secondary importance are: nutrients, moisture, pH, and temperature. Absence, or even imbalance, of these components may limit the biological process and result in a lack of contaminant transformation. Enzyme Technologies, Inc. (ETEC) of Portland, Oregon, has developed proprietary methods to enhance the bioremediation process. Background information from their Web Site (www.enzymetech.com) has been summarized below to provide an overview of a proposed EEB implementation at the M-2 Landfill.

Oxygenation is extremely important in the performance of an in-situ bioremediation process, often controlling both the overall rate of contaminant degradation as well as the cleanup levels attainable. Maximizing the available oxygen is critical to maximize the degradation rates achievable using the proposed biological enhancement products. There are two common methods for oxygenation of groundwater: 1) air injection; and 2) oxygen (or oxygen-augmented air) injection. With both of these methods, the air or oxygen is forced below the surface into the groundwater to subsequently migrate upward, creating an oxygenated volume of water surrounding the injection location. With air injection, the dissolved oxygen saturation point is approximately 8 to 12 parts per million (ppm), depending on elevation and temperature. With pure oxygen injection, the dissolved oxygen can typically be increased to 15 to 20 ppm. ETEC manufactures a "BioBox®" for use at sites that incorporates a unique oxygen mixing process to achieve dissolved oxygen concentrations in the water of 40 ppm or greater, achieving full solubility of the oxygen into the water. This is a highly beneficial condition for the purposes of achieving contaminant degradation.

The proposed biological enhancements at the M-2 Landfill would consist of four different products: Enzyme Accelerator (EA), Multi-Enzyme Complexes (MZC), TPH Bacterial Consortium (A2), and Custom Blend Nutrients (CBN). A description of each of the proposed enhancements is provided below:

- EA acts as a pre-treatment agent for enzyme and bacterial applications. EA is a liquid biosurfactant that increases the surface area for enzymes and bacteria, thereby increasing the cleanup rate.
- MZC is a concentrated liquid extract of mono- and dehydroxygenase compounds that are responsible for over 90% of the bioremediation process.
- A2 is a liquid multi-strain bacterial consortium specifically designed to degrade long-chain petroleum hydrocarbons.
- CBN is dry mixture of proprietary nitrogen, phosphorus, and potassium compounds with micronutrients.

The application of biological enhancements are typically accomplished by using a Geoprobe® rig to install an array of temporary injection points for introduction of the biological enhancements. Injection of the biological products would be continuous from ground surface to the selected depth and would be performed in two stages. During stage one, the EA and MZC are mixed in the BioBox® and injected into the ground. During stage two, the CBN and A2 are mixed in the BioBox® and then injected into the same locations. Performance monitoring of the area is then conducted for operational parameters (e.g., dissolved oxygen) followed by confirmatory sampling and analysis at the completion of the treatment period.

Monitored Natural Attenuation

The term "monitored natural attenuation" refers to the reliance on the *natural attenuation process* (within the context of a carefully controlled and monitored site cleanup approach) to achieve site-specific remediation objectives within a period that is "reasonable" compared to that offered by other more active methods.

The term "monitored natural attenuation" became EPA policy under OSWER Directive (9200.4-17P) with the objective to emphasize and require that a long-term monitoring program become an important component of a remedy where natural processes are to be relied upon to achieve the cleanup objectives. The intent of the directive was to distinguish between the case where "monitored natural attenuation"(MNA) is used as a remedy, as opposed to the case where "natural attenuation" processes are occurring as part of a no-action remedy and are not being relied upon to attain a remedial objective. The NJDEP has also accepted "monitored natural attenuation" as an optional remedy for the cleanup of a contaminated site, particularly in the case of underground storage tanks.

"Natural attenuation" is the effect of natural processes (i.e., those which do not require human intervention such as engineered enhancement or controls) which reduce the mass, toxicity, mobility, volume, or concentration of contaminants in soil or groundwater. It is a passive method of treatment; however, EPA and NJDEP expect that source control and long-term performance monitoring will be fundamental components of any remedy that relies primarily on natural attenuation processes. EPA and NJDEP do not view MNA to be a "no action" or "walk-away" approach, but rather consider it to be an alternative means of achieving remediation

objectives that may be appropriate for specific, well-documented site circumstances where it meets the applicable statutory and regulatory requirements.

In the majority of cases where MNA is proposed as a remedy, its use may be appropriate as one component of the total remedy, that is either in conjunction with active remediation or as a follow-up measure. In general, MNA should be used cautiously as the sole remedy at contaminated sites.

The "natural attenuation processes" that are in operation in such a remediation approach include a variety of physical, chemical, or biological processes that, under favorable conditions, act without human intervention to reduce the mass, toxicity, mobility, volume, or concentration of contaminants in soil or groundwater. These in situ processes encompass biodegradation; dispersion; dilution; sorption; volatilization; radioactive decay; and chemical or biological stabilization, transformation, or destruction of contaminants.

MNA is appropriate as a remedial approach where it can be demonstrated as being capable of achieving a site's remediation objectives within a timeframe that is considered "reasonable" compared to that offered by other methods, and where it meets applicable remedy selection criteria. Therefore, sites where the contaminant plumes are no longer increasing in extent, or are shrinking, would be the most appropriate candidates.

The timeframe required for MNA remedies is often longer than that required for remedies that are more active. Consequently, the uncertainty associated with the natural attenuation processes increases dramatically, as well as the ability to establish the performance monitoring standards capable of verifying the performance expected from natural attenuation in a timely manner (e.g., five to ten year monitoring period).

Potential advantages of using MNA include:

- As with any in situ process, generation of lesser volume of remediation wastes, reduced potential for cross-media transfer of contaminants commonly associated with ex-situ treatment, and reduced risk of human exposure to contaminants, contaminated media, and other hazards, and reduced disturbances to ecological receptors;
- Some natural attenuation processes may result in in-situ destruction of contaminants;
- Less intrusion as few surface structures are required;
- Potential for application to all or part of a given site, depending on site conditions and remediation objectives; and
- Potentially lower overall remediation costs than those associated with active remediation.

The potential disadvantages of using MNA include:

- Longer time frames may be required to achieve remediation objectives, compared to active remediation measures at a given site;
- Site characterization is expected to be more complex and costly;

- Toxicity and/or mobility of transformation products may exceed that of the parent compound;
- Long-term performance monitoring will generally be more extensive and for a longer time frame;
- Institutional controls may be necessary to ensure long term protectiveness;
- Potential exists for continued contamination migration, and/or cross-media transfer of contaminants; and
- Hydrologic and geo-chemical conditions amenable to natural attenuation may change over time and could result in renewed mobility of previously stabilized contaminants (or naturally occurring metals), adversely influencing the remedial effectiveness.

The attenuation factor of organic chemical compounds has been empirically calculated as a function of its organic partitioning coefficient (KOC) and its half-life in the environment. The half-lives of organic substances is reported in the *Handbook of Environmental Degradation Rates,* authored by Howard, Boethling, Jaris, Meylan, and Michalenko. The empirical calculation is

Attenuation Factor (AF) = K x KOC

Where: **K = degradation coefficient = 0.693/ $T_{1/2}$**

$T_{1/2}$ = half life of the organic compound

The half-lives of the compounds of concern in the shallow groundwater at the M-2 Landfill (benzene and CB) are as high as 24 months and 300 days, respectively. The KOC for each compound is 58 and 200, respectively. This equates to an AF of 0.35 and 0.58, respectively.

The half-life of benzene is relatively large, i.e., approximately two years. It is relatively resistant to degradation in the environment without active enhancement. Similarly, the half-life of CB is almost one year. Their persistence in the environment is greater than that of more biodegradable compounds or other related petroleum compounds. Use of the MNA process at the site would probably take up to ten years. Therefore, it is recommended that a more active remedy be implemented to reduce the timeframe of the remedial solution.

4.2.3 Proposed Remedial Alternative

The proposed remedial alternative for the M-2 Landfill includes:

- Maintaining the current institutional controls to limit direct contact with the site, and
- Continued groundwater and surface water monitoring to demonstrate that contaminant degradation due to natural attenuation is a constant and ongoing process.

In addition, the DPW proposes to implement EEB to enhance the natural attenuation occurring at the landfill and more directly impact the shallow groundwater. EEB will be applied within six

defined areas where elevated levels of benzene and/or CB were detected during the March 1999 landfill investigation. **Figure 13** shows the six areas proposed for remedial action. Approximately eight (8) boring locations within each of the six delineated areas having had shallow groundwater detections of benzene and/or CB above the respective NJDEP GWQC will be selected for application of the biological enhancements. The initial boring locations were surveyed using GPS; this will allow the injections to be performed directly adjacent to the March 1999 sampling locations.

ETEC will support the proposed remedial action at the M-2 Landfill by providing the four (4) biological enhancements (EA, MZC, A2, and CBN) and the mixing equipment (i.e., Biobox®). The application of biological enhancements will be accomplished using a Geoprobe® rig to install an array of nine (9) temporary injection points around each selected boring location for introduction of the biological enhancements. The injection points will be established on 5-foot centers for a total of 432 injection locations. Injection of the biological products will be continuous from 4 ft to 8 ft bgs.

The biological enhancements will be injected in two stages. During stage one, the EA and MZC will be mixed in the BioBox® and injected into the ground. During stage two, the CBN and A2 will be mixed in the BioBox® and then injected into the same locations. A maximum production rate of twenty (20) injection points per day has been estimated. Based on this rate, the 1st stage of biological enhancements will be injected at two (2) boring locations during one day (9 injections per location) followed by the 2nd stage the next day.

The injection procedure will be conducted as follows:

- Based on the established grid system from the March 1999 landfill investigation, the selected boring locations and the planned injection grid will be marked on the ground.
- Required contacts for utility clearances will be made and performed. This information will be confirmed in the daily site logs.
- The Geoprobe® rig will be positioned at the proposed injection location and advanced to the initial application depth (8 ft bgs).
- Once the probe is inserted to the initial application depth, the BioBox® injection hose will be connected to the Geoprobe® assembly using an adapted union.
- After both stages of enhancement injection have occurred, each Geoprobe® borehole will be properly abandoned.

During performance of the injection program, an observation of increasing injection pressures and decreasing flow rates should indicate an impermeable boundary. Should this situation be observed, a decision will be made regarding relocation of the proposed injection point.

In addition, approximately 30 days after the completion of the 2-stage injection process, ORC will be applied to the same treatment area again using a Geoprobe® to supplement the free oxygen concentration. Bioremediation will then be allowed to continue for a 12-month treatment period. Long-term groundwater monitoring at the landfill and surface water monitoring at Mill

Creek will be continued. The long-term groundwater-monitoring program will be modified as follows: MW01, MW-04, MW-17, and MW-22 will be properly closed and eliminated from sampling. Samples from the remaining 20 groundwater monitoring wells will be as follows: TCL VOC (+15) during three of the four quarters and the 4th Quarter will include TCL VOC (+15), TCL BNA (+15), pesticides, PCB, and TAL metals. The full TCL and TAL analyses will be performed on samples collected in the fall months of the year, which is the Quarter most likely to contain exceedences of the GWQC standards. This is often due to decreased levels of precipitation and, therefore, groundwater dilution.

The current institutional controls in place at the M-2 Landfill (i.e., the site is located on an Army-controlled installation and is surrounded on three sides with a six-foot high chain link fence and on the fourth side by Mill Creek) will be maintained. Periodic inspections of the fencing and landfill cover will be continued.

To address the PCB concentrations detected in soil at the M-2 Landfill, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Installation Master Plan for soils containing PCB to restrict site development and future use of the M-2 Landfill site, and recognize the planned long-term monitoring of this area. The DPW is the lead agency for all land use issues at Fort Monmouth. The Installation Master Plan resides in the Engineering Services and Planning Division of the DPW. A formal DER cannot be established since Fort Monmouth is a Federal facility and as such, no deed exists.

4.2.3.1 Required Permits and Approvals

Requested Authorization for Discharge to Ground Water by Permit-By-Rule
As provided in N.J.A.C. 7:14A-7.5 (Authorization of Discharges to Ground Water By Permit-By-Rule), Subsection (b), any person responsible for discharges to groundwater listed in 3i through v are deemed to have a permit-by-rule if the discharge occurs when: 1) NJDEP is remediating a contaminated site as defined in N.J.A.C. 7:26C-1.3, pursuant to the rules at N.J.A.C. 7:14B implementing the Underground Storage of Hazardous Substances Act (N.J.S.A 13:1K-6 *et seq.*), or when the owner or operator of a contaminated site is conducting remediation under NJDEP oversight, or the requirements of the Spill Compensation and Control Act (N.J.S.A. 58:10-23.11), or the Procedures for Department Oversight of the Remediation of Contaminated Sites at N.J.A.C. 7:26C; and 2) the person is in receipt of written approval from NJDEP.

The groundwater discharges authorized by permit-by-rule, N.J.A.C. 7:14A-7.5, under Subsection (b) include:

(iv). Discharges to groundwater not to exceed 180 calendar days from any other facility or equipment associated with monitoring, engineering, remedial activities, or design studies necessary to evaluate a contaminated site.

By submittal of this RAW, Fort Monmouth is requesting written approval for Permit-by-Rule for the proposed EEB and ORC application and discharge to groundwater.

Requested Approval for Disruption of Landfill

N.J.A.C. 7:26-2A(j) states that written approval for disruptions of landfills are to be obtained from the NJDEP prior to any excavation, disruption, relocation or removal of any deposited material, which may or may not involve solid waste, from either an active, terminated, or closed sanitary landfill. "Minor" disruptions of a landfill include (but are not limited to): the performance of soil borings and test pits, methane gas surveys, and installation of piezometers and observation wells. The planned injection of biological enhancements and ORC at the M-2 Landfill utilizing a Geoprobe® could be presumed to be a minor disruption of a landfill. However, as provided in N.J.A.C. 7:26-2A.8(j)(iii), a separate disruption approval is not required when the landfill owner has submitted documentation and received prior approval from the NJDEP in the form of several specific instances including "approval for specific construction activities".

By submittal of this RAW, Fort Monmouth is requesting approval for the proposed remedial action at the M-2 Landfill and, more specifically, the injection of biological enhancements and ORC and, therefore, should be exempted from the requirement to submit a Sanitary Landfill Disruption Application.

4.2.3.2 Deed Notification

Fort Monmouth is a Federal facility and as such, no deed exists. To address the PCB concentrations detected in soil at the M-2 Landfill, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Installation Master Plan for soils containing PCB to restrict site development and future use of the M-2 Landfill site, and recognize the planned long-term monitoring of this area. The DPW is the lead agency for all land use issues at Fort Monmouth.
The Installation Master Plan resides in the Engineering Services and Planning Division of the DPW. A formal DER cannot be established since a deed for Fort Monmouth does not exist.

4.2.3.3 Location of Proposed Remedial Treatment Units

The planned EEB implementation and follow-up ORC application will be performed utilizing mobile/trailer mounted equipment and a GeoProbe® to bore directly through the ground surface in a grid pattern established across the landfill. There are no structures or facilities that require placement onsite, dismantling, or site restoration.

4.2.3.4 Implementation Schedule

The DPW has awarded a contract for performance of the planned remedial action presented within this RAW. Following approval of this RIR/RAW by the NJDEP, the implementation schedule will be as follows:

- Preparation of required plans (e.g., Site-specific Health and Safety Plan) – 14 days.

- Procurement and delivery to the site of the BioBox® and biological enhancement products – 30 days.
- Site mobilization/clearances and utility connection – 5 days.
- Establish and survey injection grid – 3 days.
- Performance of 2-stage EEB injection – 60 days.
- Demobilization – 2 days.
- Initial treatment period – 30 days.
- Injection of ORC – 30 days.
- Performance monitoring of the enhanced bioremediation - 12 months.
- Confirmatory sampling and analysis – 21 days.
- Remedial Action Report – 8 weeks following receipt of analytical data from confirmatory sampling.

Progress reports will be prepared and submitted quarterly to the NJDEP for the duration of the proposed remedial action.

4.2.3.5 Soil and Sediment Erosion

As described within this document, the proposed remedial measures will be accomplished using a GeoProbe®. There is no planned disturbance of the soil within the landfill as part of the proposed remedial measures. Soil and sediment erosion control measures will be implemented to minimize the transport of soil onto the installation roadways (e.g., placement of straw, gravel at the entrance gate of the landfill) from vehicles entering and exiting the site.

4.2.3.6 Quality Assurance Project Plan

Field sampling activities will be conducted in accordance with the NJDEP Field Sampling Manual. Fort Monmouth Environmental Testing Laboratory (NJDEP Certification #13461) will conduct all analyses in accordance with the New Jersey Laboratory Certification Program. A separate Quality Assurance Project Plan will not be submitted for the planned EEB implementation.

4.2.3.7 Site Specific Health and Safety Plan

As required under N.J.A.C.7:26E-1.9, a site-specific health and safety plan (SHSP) will be prepared for the proposed remediation activities. The SHSP will be prepared in accordance with the most recently adopted and applicable general industry (29 CFR 1910) and construction (29 CFR 1926) standards of the Federal Occupational Safety and Health Administration (OSHA), U.S. Department of Labor, as well as any other Federal, State, or local applicable statutes or regulations. All personnel involved in the remediation activities will adhere to the SHSP.

4.2.4 Site Restoration Plan and Remedial System Dismantling Plan

The planned EEB implementation will be performed utilizing mobile/trailer-mounted equipment and a GeoProbe® to bore directly through the ground surface. There are no structures or facilities that will require site restoration or dismantling.

4.2.4.1 Post-remedial Sampling and Monitoring

Following completion of the 12-month treatment period, confirmatory sampling will be undertaken within the six delineated zones and analyzed for VOC. The post-injection groundwater sampling will be performed directly adjacent to selected Geoprobe® boring locations from the March 1999 landfill investigation that had detections of benzene and/or CB above the respective NJDEP GWQC. The initial boring locations were surveyed using GPS; this will allow the post-injection sampling to be performed directly adjacent to the initial sampling locations. The samples will be collected at the groundwater interface to evaluate the direct impact of EEB (the primary focus of this effort). Approximately ten samples will be collected within each of the six zones for a total of 60 confirmatory samples. The samples will be collected using standard Fort Monmouth DPW Geoprobe® sampling procedures and analyzed for VOCs + 10 (EPA SW-846 Method 8260). In addition, quarterly groundwater monitoring at the landfill and surface water monitoring along Mill Creek will be continued.

4.2.5 Remedial Action Costs

The estimated order of magnitude costs for implementation of the proposed EEB at the M-2 Landfill are provided below. The primary assumptions utilized in estimating the order of magnitude costs are as follows:

- Enzyme injection will be performed utilizing a truck-mounted GeoProbe® and mixing tank (BioBox®). There are no proposed capital costs associated with the planned remedial action. The treatment system will be removed from the site following completion of the injection program.
- All work will be performed in Level D Personnel Safety Protection. No site-specific air monitoring will be performed.
- The injection program will specifically target six areas using eight boring locations within each area, totaling 48 injection locations. A Geoprobe® rig will be used to install an array of nine temporary injection points around each selected boring location, totaling 432 injection points. The injection of the biological products will be continuous between depths of 4-8 ft bgs.
- Approximately 432 injection points will be installed utilizing a 2-stage injection of the biological enhancements. A production rate of twenty (20) injection points per day has been estimated. Based on this rate, the first stage of biological enhancements will be injected at two boring locations during one day (9 injections per location) followed by the second stage the following day.

- Periodic sampling will be performed for nutrients and dissolved oxygen and for VOC in soils.
- There are no proposed capital costs associated with the planned remedial action.
- Confirmatory groundwater samples will be analyzed for VOC in accordance with the NJ Laboratory Certification Program by the Fort Monmouth Environmental Testing Laboratory (NJDEP Certification #13461).

Estimated Order of Magnitude Costs **Proposed Enzyme-Enhanced Bioremediation**	
TASK	**ESTIMATED COSTS**
1. Plan Preparation	$ 4,200
2. Site Mobilization	$ 8,200
3. GeoProbe® Injection	$ 45,300
4. Enzyme-Enhanced Bioremediation System	$ 75,200
5. ORC application	$ 42,960 (1)
6. Demobilization	$ 1,450
7. Performance sampling during the treatment period and confirmatory sampling	$ 21,550 (2)
TOTAL ESTIMATED COSTS	$198,860

NOTES: (1) Materials cost only, does not include costs for manpower and equipment.
(2) Excludes continued performance of Fort Monmouth groundwater and surface water monitoring program.

4.2.6 Maintenance and Evaluation Schedule for Engineering and Institutional Controls

Institutional controls are in place at the M-2 Landfill (i.e., the site is located on an Army controlled installation and is surrounded on three sides with a six-foot high chain link fence and on the fourth side by Mill Creek to the north). Following completion of the proposed remedial action, the existing institutional controls will be maintained and periodic inspections performed.

4.3 PROGRESS REPORTS

As required by N.J.A.C. 7:26E-6.5(b), Remedial Action Progress (RAP) Reports will be prepared and submitted Quarterly. The RAP Reports will include the following information:

- Summary of the remedial actions accomplished during the reporting period;
- Deviations from and/or proposed modifications to the approved RAW;
- Reporting of problems/delays in the implementation of the RAW, as well as proposed corrective actions with, as applicable/appropriate, changes to the approved project schedule;
- A revised project schedule, including the status of all permit applications;
- Identification of planned remedial actions for the next reporting period;

- A listing of all types and quantities of waste generated by the remedial action during the reporting period and to date, including the name(s) of disposal facilities, and transporters' dates of disposal, and if appropriate, the manifest numbers of each waste load; and
- Supporting documentation (e.g., photographs).

In addition, on an annual basis the actual costs of remediation that have been incurred to date will be summarized and presented.

SECTION 5.0
REFERENCES

BCM Engineers (BCM), 2000. *Remedial Action Work Plan for Landfill M-8, Main Post, Fort Monmouth, New Jersey*, September 2000.

Brown, G.A. and O.S. Zapecza, 1990. *Results of Test Drilling in Howell Township, Monmouth County, New Jersey.* USGS, West Trenton, NJ.

Jablonski, L.A., 1968. *Groundwater Resources of Monmouth County, New Jersey.* USGS Special Report 23. USGS, Washington, DC.

Meisler, H., J.A. Miller, L.L. Knobel, and R.L. Wait. 1988. "Region 22, Atlantic and Eastern Gulf Coastal Plan." In: *Hydrogeology: The Geology of North America,* W. Back, J.S. Rosenhein, and P.R. Seaber, editors. Vol. 0-2. pp. 209-218.

Minard, J.P., 1969. Geology of Sandy Hook Quadrangle in Monmouth County, New Jersey. U.S. Government Printing Office, Washington, DC.

New Jersey Department of Environmental Protection & Energy, Site Remediation Program and Division of Science & Research. *A Summary of Selected Soil Constituents and Contaminants at Background Locations in New Jersey.* September 1993.

New Jersey Geological Survey Map, 1994.

Soil Survey of Monmouth County, New Jersey, USDA Soil Conservation Service, 1989.

USATHAMA (U.S. Army Toxic and Hazardous Materials Agency), 1980. *Installation Assessment of Fort Monmouth.* Report 171, May 1980.

USGS (U.S. Geological Survey), 1981. Long Branch Quadrangle Map.

Versar, Inc., 2000. *Remedial Investigation Report for Near-Surface Soils M-2 Landfill, Draft Report*, July 2000.

WESTON (Roy F. Weston, Inc.), 1993. *Investigation of Suspected Hazardous Waste Sites at Fort Monmouth, New Jersey.*

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

Zapecza, O. 1989. *Hydrogeologic Framework of the New Jersey Coastal Plain.* USGS Professional Paper 1404-B. U.S. Government Printing Office, Washington, DC.

Table 1
PCB Geoprobe Soil Investigation Results
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	Arochlor 1016	Arochlor 1242	Arochlor 1254	Arochlor 1260	Total PCB
Regulatory Level (mg/Kg)*				0.49	0.49	0.49	0.49	0.49
1	0-6"	4281.03	2/17/99	0.063	ND	ND	0.054	0.117
1	12-18"	4281.04	2/17/99	0.053	ND	ND	0.236	0.289
1	24-30"	4281.05	2/17/99	ND	ND	ND	0.041	0.041
1	36-42"	4281.06	2/17/99	ND	ND	ND	ND	ND
1	48-54"	4281.07	2/17/99	**8.669**	ND	ND	**1.137**	**9.806**
1	60-66"	4281.08	2/17/99	ND	ND	ND	**3.206**	**3.206**
1	72-78"	5119.25	1/24/00	ND	ND	ND	ND	ND
1	84-90"	5119.26	1/24/00	ND	ND	ND	ND	ND
1	96-102"	5119.27	1/24/00	ND	ND	ND	ND	ND
1	108-114"	5119.28	1/24/00	ND	ND	ND	ND	ND
2	0-6"	4281.09	2/17/99	ND	ND	ND	ND	ND
2	12-18"	4281.10	2/17/99	**1.162**	ND	ND	0.110	**1.272**
2	24-30"	4281.11	2/17/99	ND	ND	ND	ND	ND
2	36-42"	4281.12	2/17/99	**12.481**	ND	ND	**0.499**	**12.980**
2	48-54"	4281.13	2/17/99	**12.413**	ND	ND	**0.727**	**13.140**
2	60-66"	4281.14	2/17/99	ND	ND	ND	ND	ND
3	0-6"	4281.15	2/17/99	**0.967**	ND	ND	0.171	**1.138**
3	12-18"	4281.16	2/17/99	ND	ND	ND	ND	ND
3	24-30"	4281.17	2/17/99	ND	ND	ND	ND	ND
3	36-42"	4281.18	2/17/99	ND	ND	ND	ND	ND
3	48-54"	4281.19	2/17/99	ND	ND	ND	ND	ND
3	60-66"	4281.20	2/17/99	**1.935**	ND	ND	0.133	**2.068**
3	72-78"	5119.29	1/24/00	ND	ND	ND	ND	ND
3	84-90"	5119.30	1/24/00	ND	ND	ND	ND	ND
3	96-102"	5119.31	1/24/00	ND	ND	ND	ND	ND
3	108-114"	5119.32	1/24/00	ND	ND	ND	ND	ND
3A	0-6"	4890.28	10/27/99	ND	ND	ND	ND	ND
3A	12-18"	4890.29	10/27/99	ND	ND	ND	ND	ND
3A	24-30"	4890.30	10/27/99	ND	ND	ND	ND	ND
3A	36-42"	4890.31	10/27/99	ND	ND	ND	ND	ND
3A	48-54"	4890.32	10/27/99	ND	ND	ND	ND	ND
3A	60-66"	4890.33	10/27/99	ND	ND	ND	ND	ND
3A	72-78"	4890.34	10/27/99	ND	ND	ND	ND	ND
3A	84-90"	4890.35	10/27/99	ND	ND	ND	ND	ND
3A	90-96"	4890.36	10/27/99	ND	ND	ND	ND	ND
3B	0-6"	4963.20	11/23/99	ND	ND	ND	ND	ND
3B	12-18"	4963.21	11/23/99	ND	ND	ND	ND	ND
3B	24-30"	4963.22	11/23/99	ND	ND	ND	ND	ND
3B	36-42"	4963.23	11/23/99	ND	ND	ND	ND	ND
3B	48-54"	4963.24	11/23/99	ND	ND	ND	ND	ND
3B	60-66"	4963.25	11/23/99	ND	ND	ND	ND	ND
3B	72-78"	4963.26	11/23/99	ND	ND	ND	ND	ND
3B	84-90"	4963.27	11/23/99	ND	ND	ND	ND	ND
4	0-6"	4281.21	2/17/99	ND	ND	ND	ND	ND
4	12-18"	4281.22	2/17/99	**4.219**	ND	ND	0.279	**4.498**
4	24-30"	4281.23	2/17/99	ND	ND	ND	ND	ND
4	36-42"	4281.24	2/17/99	ND	ND	ND	ND	ND

Only detected compounds are listed.
All concentrations are given in milligrams per kilogram (mg/Kg), equivalent to parts per million (ppm).
* Regulatory levels are based on NJDEP's Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Exceedances of the RDCSCC are highlighted and printed in **bold-faced** type.
ND: Not Detected

Table 1
PCB Geoprobe Soil Investigation Results
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	Arochlor 1016	Arochlor 1242	Arochlor 1254	Arochlor 1260	Total PCB
Regulatory Level (mg/Kg)*				0.49	0.49	0.49	0.49	0.49
4	48-54"	4281.25	2/17/99	ND	ND	ND	ND	ND
4	60-66"	4281.26	2/17/99	**65.402**	ND	ND	**10.431**	**75.833**
4	72-78"	5119.33	1/24/00	ND	ND	ND	ND	ND
4	84-90"	5119.34	1/24/00	ND	ND	ND	ND	ND
4	96-102"	5119.35	1/24/00	ND	ND	ND	ND	ND
4	108-114"	5119.36	1/24/00	ND	ND	ND	ND	ND
5	0-6"	4285.02	2/19/99	ND	ND	ND	ND	ND
5	12-18"	4285.03	2/19/99	0.117	ND	ND	0.054	0.171
5	24-30"	4285.04	2/19/99	0.050	ND	ND	0.047	0.097
5	36-42"	4285.05	2/19/99	ND	ND	ND	ND	ND
5	48-54"	4285.06	2/19/99	ND	ND	ND	0.483	0.483
5	60-66"	4285.07	2/19/99	ND	ND	ND	0.148	0.148
6	0-6"	4285.08	2/19/99	0.081	ND	ND	0.040	0.121
6	12-18"	4285.09	2/19/99	ND	ND	ND	ND	ND
6	24-30"	4285.10	2/19/99	ND	ND	ND	ND	ND
6	36-42"	4285.11	2/19/99	ND	ND	ND	0.029	0.029
6	48-54"	4285.12	2/19/99	ND	ND	ND	ND	ND
6	60-66"	4285.13	2/19/99	**208.421**	ND	ND	**3.180**	**211.601**
6	72-78"	5119.37	1/24/00	ND	ND	ND	ND	ND
6	84-90"	5119.38	1/24/00	ND	ND	ND	ND	ND
6	96-102"	5119.39	1/24/00	ND	ND	ND	ND	ND
6	108-114"	5119.40	1/24/00	ND	ND	ND	ND	ND
6A	0-6"	4890.37	10/27/99	ND	ND	ND	ND	ND
6A	12-18"	4890.38	10/27/99	ND	ND	ND	ND	ND
6A	24-30"	4890.39	10/27/99	ND	ND	ND	ND	ND
6A	36-42"	4890.40	10/27/99	ND	ND	ND	ND	ND
6A	48-54"	4890.41	10/27/99	ND	ND	ND	ND	ND
6A	60-66"	4890.42	10/27/99	ND	ND	ND	ND	ND
6A	72-78"	4890.43	10/27/99	ND	ND	ND	ND	ND
6A	84-90"	4890.44	10/27/99	ND	ND	ND	ND	ND
6A	90-96"	4890.45	10/27/99	ND	ND	ND	ND	ND
6B	0-6"	4963.11	11/23/99	ND	ND	ND	ND	ND
6B	12-18"	4963.12	11/23/99	ND	ND	ND	ND	ND
6B	24-30"	4963.13	11/23/99	ND	ND	ND	ND	ND
6B	36-42"	4963.14	11/23/99	ND	ND	ND	ND	ND
6B	48-54"	4963.15	11/23/99	ND	ND	ND	ND	ND
6B	60-66"	4963.16	11/23/99	ND	ND	ND	ND	ND
6B	72-78"	4963.17	11/23/99	ND	ND	ND	ND	ND
6B	84-90"	4963.18	11/23/99	ND	ND	ND	ND	ND
7	0-6"	4285.14	2/19/99	0.108	ND	ND	0.047	0.155
7	12-18"	4285.15	2/19/99	0.152	ND	ND	0.014	0.166
7	24-30"	4285.16	2/19/99	ND	ND	ND	0.208	0.208
7	36-42"	4285.17	2/19/99	0.115	ND	ND	0.038	0.153
7	48-54"	4285.18	2/19/99	0.153	ND	ND	0.042	0.195
7	60-66"	4285.19	2/19/99	0.046	ND	ND	0.031	0.077
8	0-6"	4290.02	2/22/99	0.047	ND	ND	0.048	0.095
8	12-18"	4290.03	2/22/99	ND	ND	ND	ND	ND

Only detected compounds are listed.
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ND: Not Detected

Table 1
PCB Geoprobe Soil Investigation Results
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	Arochlor 1016	Arochlor 1242	Arochlor 1254	Arochlor 1260	Total PCB
Regulatory Level (mg/Kg)*				0.49	0.49	0.49	0.49	0.49
8	24-30"	4290.04	2/22/99	ND	ND	ND	ND	ND
8	36-42"	4290.05	2/22/99	ND	ND	ND	ND	ND
8	48-54"	4290.06	2/22/99	ND	ND	ND	ND	ND
8	60-66"	4290.07	2/22/99	ND	ND	ND	0.296	0.296
9	0-6"	4290.08	2/22/99	0.465	ND	ND	0.231	**0.696**
9	12-18"	4290.09	2/22/99	ND	ND	ND	ND	ND
9	24-30"	4290.10	2/22/99	ND	ND	ND	ND	ND
9	36-42"	4290.11	2/22/99	ND	ND	ND	ND	ND
9	48-54"	4290.12	2/22/99	ND	ND	ND	ND	ND
9	60-66"	4290.13	2/22/99	ND	ND	ND	ND	ND
9A	0-6"	4890.46	10/27/99	ND	ND	ND	0.262	0.262
9A	12-18"	4890.47	10/27/99	ND	ND	ND	0.241	0.241
9A	24-30"	4890.48	10/27/99	ND	ND	ND	0.087	0.087
9A	36-42"	4890.49	10/27/99	ND	ND	ND	ND	ND
9A	48-54"	4890.50	10/27/99	ND	ND	ND	ND	ND
9A	60-66"	4890.51	10/27/99	ND	ND	ND	ND	ND
9A	72-78"	4890.52	10/27/99	ND	ND	ND	ND	ND
9A	84-90"	4890.53	10/27/99	ND	ND	ND	ND	ND
9A	90-96"	4890.54	10/27/99	ND	ND	ND	ND	ND
9B	0-6"	4963.02	11/23/99	ND	ND	ND	ND	ND
9B	12-18"	4963.03	11/23/99	ND	ND	ND	ND	ND
9B	24-30"	4963.04	11/23/99	ND	ND	ND	ND	ND
9B	36-42"	4963.05	11/23/99	ND	ND	ND	ND	ND
9B	48-54"	4963.06	11/23/99	ND	ND	ND	ND	ND
9B	60-66"	4963.07	11/23/99	ND	ND	ND	ND	ND
9B	72-78"	4963.08	11/23/99	ND	ND	ND	ND	ND
9B	84-90"	4963.09	11/23/99	ND	ND	ND	ND	ND
10	0-6"	4290.14	2/22/99	ND	ND	ND	0.054	0.054
10	12-18"	4290.15	2/22/99	0.379	ND	ND	0.037	0.416
10	24-30"	4290.16	2/22/99	**1.042**	ND	ND	0.059	**1.101**
10	36-42"	4290.17	2/22/99	**0.704**	ND	ND	0.065	**0.769**
10	48-54"	4290.18	2/22/99	0.159	ND	ND	0.086	0.245
10	60-66"	4290.19	2/22/99	**6.392**	ND	ND	**8.381**	**14.773**
10	72-78"	5119.41	1/24/00	ND	ND	ND	ND	ND
10	84-90"	5119.42	1/24/00	ND	ND	ND	ND	ND
10	96-102"	5119.43	1/24/00	ND	ND	ND	ND	ND
10	108-114"	5119.44	1/24/00	ND	ND	ND	ND	ND
10A	0-6"	4890.01	10/27/99	ND	ND	ND	ND	ND
10A	12-18"	4890.02	10/27/99	ND	ND	ND	ND	ND
10A	24-30"	4890.03	10/27/99	ND	ND	ND	**0.497**	**0.497**
10A	36-42"	4890.04	10/27/99	ND	ND	ND	ND	ND
10A	48-54"	4890.05	10/27/99	ND	ND	ND	ND	ND
10A	60-66"	4890.06	10/27/99	ND	ND	ND	ND	ND
10A	72-78"	4890.07	10/27/99	ND	ND	ND	ND	ND
10A	84-90"	4890.08	10/27/99	ND	ND	ND	ND	ND
10A	90-96"	4890.09	10/27/99	ND	ND	ND	ND	ND
10B	0-6"	5148.19	2/7/00	ND	0.314	ND	ND	0.314

Only detected compounds are listed.
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Table 1
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M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	Arochlor 1016	Arochlor 1242	Arochlor 1254	Arochlor 1260	Total PCB
Regulatory Level (mg/Kg)*				0.49	0.49	0.49	0.49	0.49
10B	12-18"	5148.20	2/7/00	ND	ND	ND	ND	ND
10B	24-30"	5148.21	2/7/00	ND	**1.192**	ND	ND	**1.192**
10B	36-42"	5148.22	2/7/00	ND	ND	ND	ND	ND
10B	48-54"	5148.23	2/7/00	ND	ND	ND	ND	ND
10B	60-66"	5148.24	2/7/00	ND	ND	ND	ND	ND
10B	72-78"	5148.25	2/7/00	ND	ND	ND	ND	ND
10B	84-90"	5148.26	2/7/00	ND	ND	ND	ND	ND
10B	96-102"	5148.27	2/7/00	ND	ND	ND	ND	ND
10B	108-114"	5148.28	2/7/00	ND	ND	ND	ND	ND
10C	0-6"	5148.29	2/7/00	ND	**0.983**	ND	ND	**0.983**
10C	12-18"	5148.30	2/7/00	ND	ND	ND	ND	ND
10C	24-30"	5148.31	2/7/00	ND	ND	ND	ND	ND
10C	36-42"	5148.32	2/7/00	ND	ND	ND	ND	ND
10C	48-54"	5148.33	2/7/00	ND	ND	ND	ND	ND
10C	60-66"	5148.34	2/7/00	ND	ND	ND	ND	ND
10C	72-78"	5148.35	2/7/00	ND	**33.606**	ND	ND	**33.606**
10C	84-90"	5148.36	2/7/00	ND	ND	ND	ND	ND
10C	96-102"	5148.37	2/7/00	ND	ND	ND	ND	ND
10C	108-114"	5148.38	2/7/00	ND	ND	ND	ND	ND
10D	0-6"	5207.01	2/29/00	ND	ND	ND	ND	ND
10D	12-18"	5207.02	2/29/00	ND	ND	ND	ND	ND
10D	24-30"	5207.03	2/29/00	ND	ND	ND	ND	ND
10D	36-42"	5207.04	2/29/00	ND	ND	ND	ND	ND
10D	48-54"	5207.05	2/29/00	ND	ND	ND	ND	ND
10D	60-66"	5207.06	2/29/00	ND	ND	ND	ND	ND
10D	72-78"	5207.07	2/29/00	ND	ND	ND	ND	ND
10D	84-90"	5207.08	2/29/00	ND	**2.145**	ND	ND	**2.145**
10D	96-102"	5207.09	2/29/00	ND	**14.152**	ND	ND	**14.152**
10D	108-114"	5228.01	3/8/00	ND	ND	ND	ND	ND
10D	120-126"	5228.02	3/8/00	ND	ND	ND	ND	ND
10D	132-138"	5228.03	3/8/00	ND	ND	ND	ND	ND
10D	144-150"	5228.04	3/8/00	ND	ND	ND	ND	ND
10E	0-6"	5228.05	3/8/00	ND	ND	**1.682**	ND	**1.682**
10E	12-18"	5228.06	3/8/00	ND	ND	ND	ND	ND
10E	24-30"	5228.07	3/8/00	ND	ND	ND	ND	ND
10E	36-42"	5228.08	3/8/00	ND	ND	ND	ND	ND
10E	48-54"	5228.09	3/8/00	ND	ND	ND	ND	ND
10E	60-66"	5228.10	3/8/00	ND	ND	ND	ND	ND
10E	72-78"	5228.11	3/8/00	ND	ND	ND	ND	ND
10E	84-90"	5228.12	3/8/00	ND	ND	0.432	ND	0.432
10E	96-102"	5228.13	3/8/00	ND	ND	**1.484**	ND	**1.484**
10E	108-116"	5228.14	3/8/00	ND	ND	ND	ND	ND
10E	122-128"	5228.15	3/8/00	ND	ND	ND	ND	ND
10E	134-140"	5228.16	3/8/00	ND	ND	ND	ND	ND
10E	144-150"	5228.17	3/8/00	ND	ND	ND	ND	ND
10F	0-6"	5272.01	3/22/00	ND	ND	ND	ND	ND
10F	12-18"	5272.02	3/22/00	ND	ND	ND	ND	ND

Only detected compounds are listed.
All concentrations are given in milligrams per kilogram (mg/Kg), equivalent to parts per million (ppm).
* Regulatory levels are based on NJDEP's Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Exceedances of the RDCSCC are highlighted and printed in **bold-faced** type.
ND: Not Detected

Table 1
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M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	Arochlor 1016	Arochlor 1242	Arochlor 1254	Arochlor 1260	Total PCB
Regulatory Level (mg/Kg)*				0.49	0.49	0.49	0.49	0.49
10F	24-30"	5272.03	3/22/00	ND	ND	ND	ND	ND
10F	36-42"	5272.04	3/22/00	ND	ND	ND	ND	ND
10F	48-54"	5272.05	3/22/00	ND	ND	ND	ND	ND
10F	60-66"	5272.06	3/22/00	ND	ND	ND	ND	ND
10F	72-78"	5272.07	3/22/00	ND	ND	ND	ND	ND
10F	84-90"	5272.08	3/22/00	ND	ND	ND	ND	ND
10F	96-102"	5272.09	3/22/00	ND	ND	ND	ND	ND
10F	108-114"	5272.10	3/22/00	ND	ND	ND	ND	ND
11	0-6"	4290.20	2/22/99	**1.230**	ND	ND	0.126	**1.356**
11	12-18"	4290.21	2/22/99	0.157	ND	ND	0.060	0.217
11	24-30"	4290.22	2/22/99	ND	ND	ND	ND	ND
11	36-42"	4290.23	2/22/99	ND	ND	ND	ND	ND
11	48-54"	4290.24	2/22/99	ND	ND	ND	0.234	0.234
11	60-66"	4290.25	2/22/99	ND	ND	ND	0.033	0.033
11A	0-6"	4890.10	10/27/99	ND	ND	**0.513**	ND	**0.513**
11A	12-18"	4890.11	10/27/99	ND	ND	**0.657**	ND	**0.657**
11A	24-30"	4890.12	10/27/99	ND	**27.424**	ND	ND	**27.424**
11A	36-42"	4890.13	10/27/99	**0.745**	ND	ND	**0.532**	**1.277**
11A	48-54"	4890.14	10/27/99	ND	ND	ND	ND	ND
11A	60-66"	4890.15	10/27/99	ND	**5.526**	ND	ND	**5.526**
11A	72-78"	4890.16	10/27/99	ND	ND	ND	ND	ND
11A	84-90"	4890.17	10/27/99	ND	ND	ND	ND	ND
11A	90-96"	4890.18	10/27/99	ND	ND	ND	ND	ND
11B	0-6"	5119.01	1/24/00	ND	ND	ND	ND	ND
11B	12-18"	5119.02	1/24/00	ND	ND	ND	ND	ND
11B	24-30"	5119.03	1/24/00	ND	**1.482**	ND	ND	**1.482**
11B	36-42"	5119.04	1/24/00	ND	ND	ND	ND	ND
11B	48-54"	5119.05	1/24/00	ND	**1.277**	ND	ND	**1.277**
11B	60-66"	5119.06	1/24/00	ND	**1.646**	ND	ND	**1.646**
11B	72-78"	5148.01	2/7/00	ND	0.323	ND	ND	0.323
11B	84-90"	5148.02	2/7/00	ND	**0.582**	ND	ND	**0.582**
11B	96-102"	5148.03	2/7/00	ND	ND	ND	ND	ND
11B	108-114"	5148.04	2/7/00	ND	ND	ND	ND	ND
11C	0-6"	5148.39	2/7/00	ND	ND	ND	ND	ND
11C	12-18"	5148.40	2/7/00	ND	ND	ND	ND	ND
11C	24-30"	5148.41	2/7/00	ND	ND	ND	ND	ND
11C	36-42"	5148.42	2/7/00	ND	**4.060**	ND	ND	**4.060**
11C	48-54"	5148.43	2/7/00	ND	ND	ND	ND	ND
11C	60-66"	5148.44	2/7/00	ND	ND	ND	ND	ND
11C	72-78"	5148.45	2/7/00	ND	**0.978**	ND	ND	**0.978**
11C	84-90"	5148.46	2/7/00	ND	0.301	ND	ND	0.301
11C	96-102"	5148.47	2/7/00	ND	ND	ND	ND	ND
11C	108-114"	5148.48	2/7/00	ND	ND	ND	ND	ND
11D	0-6"	5228.18	3/8/00	ND	ND	ND	ND	ND
11D	12-18"	5228.19	3/8/00	ND	ND	ND	ND	ND
11D	24-30"	5228.20	3/8/00	ND	ND	ND	ND	ND
11D	36-42"	5228.21	3/8/00	ND	**6.352**	ND	ND	**6.352**

Only detected compounds are listed.
All concentrations are given in milligrams per kilogram (mg/Kg), equivalent to parts per million (ppm).
* Regulatory levels are based on NJDEP's Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Exceedances of the RDCSCC are highlighted and printed in **bold-faced** type.
ND: Not Detected

Table 1
PCB Geoprobe Soil Investigation Results
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	Arochlor 1016	Arochlor 1242	Arochlor 1254	Arochlor 1260	Total PCB
Regulatory Level (mg/Kg)*				0.49	0.49	0.49	0.49	0.49
11D	48-54"	5228.22	3/8/00	ND	ND	ND	ND	ND
11D	60-66"	5228.23	3/8/00	ND	**9.339**	ND	ND	**9.339**
11D	72-78"	5228.24	3/8/00	ND	**17.262**	ND	ND	**17.262**
11D	84-90"	5228.25	3/8/00	ND	ND	ND	ND	ND
11D	96-102"	5228.26	3/8/00	ND	ND	ND	ND	ND
11D	108-116"	5228.27	3/8/00	ND	ND	ND	ND	ND
11D	122-128"	5228.28	3/8/00	ND	ND	ND	ND	ND
11D	134-140"	5228.29	3/8/00	ND	ND	ND	ND	ND
11D	144-150"	5228.30	3/8/00	ND	ND	ND	ND	ND
11E	0-6"	5251.01	3/16/00	ND	ND	ND	ND	ND
11E	12-18"	5251.02	3/16/00	ND	**1.017**	ND	ND	**1.017**
11E	24-30"	5251.03	3/16/00	ND	ND	ND	ND	ND
11E	36-42"	5251.04	3/16/00	ND	ND	ND	ND	ND
11E	48-54"	5251.05	3/16/00	ND	**187.444**	ND	ND	**187.444**
11E	60-66"	5251.06	3/16/00	ND	ND	ND	ND	ND
11E	72-78"	5251.07	3/16/00	ND	ND	ND	ND	ND
11E	84-90"	5251.08	3/16/00	ND	ND	ND	ND	ND
11E	96-102"	5251.09	3/16/00	ND	ND	ND	ND	ND
11E	108-114"	5251.10	3/16/00	ND	ND	ND	ND	ND
11F	0-6"	5272.11	3/22/00	ND	ND	ND	ND	ND
11F	12-18"	5272.12	3/22/00	ND	ND	ND	ND	ND
11F	24-30"	5272.13	3/22/00	ND	ND	ND	ND	ND
11F	36-42"	5272.14	3/22/00	ND	ND	ND	ND	ND
11F	48-54"	5272.15	3/22/00	ND	ND	ND	ND	ND
11F	60-66"	5272.16	3/22/00	ND	ND	ND	ND	ND
11F	72-78"	5272.17	3/22/00	ND	ND	ND	ND	ND
11F	84-90"	5272.18	3/22/00	ND	ND	ND	ND	ND
11F	96-102"	5272.19	3/22/00	ND	ND	ND	ND	ND
11F	108-114"	5272.20	3/22/00	ND	ND	ND	ND	ND
12	0-6"	4290.26	2/22/99	0.079	ND	ND	0.036	0.115
12	12-18"	4290.27	2/22/99	0.195	ND	ND	0.060	0.255
12	24-30"	4290.28	2/22/99	0.272	ND	ND	0.059	0.331
12	36-42"	4290.29	2/22/99	ND	ND	ND	ND	ND
12	48-54"	4290.30	2/22/99	ND	ND	ND	ND	ND
12	60-66"	4290.31	2/22/99	ND	ND	ND	ND	ND
12A	0-6"	5119.07	1/24/00	ND	ND	ND	ND	ND
12A	12-18"	5119.08	1/24/00	ND	**5.596**	ND	ND	**5.596**
12A	24-30"	5119.09	1/24/00	ND	ND	ND	ND	ND
12A	36-42"	5119.10	1/24/00	ND	ND	ND	ND	ND
12A	48-54"	5119.11	1/24/00	ND	ND	ND	ND	ND
12A	60-66"	5119.12	1/24/00	ND	ND	ND	ND	ND
12B	0-6"	5119.13	1/24/00	ND	ND	ND	ND	ND
12B	12-18"	5119.14	1/24/00	ND	ND	ND	ND	ND
12B	24-30"	5119.15	1/24/00	ND	ND	ND	ND	ND
12B	36-42"	5119.16	1/24/00	ND	ND	ND	ND	ND
12B	48-54"	5119.17	1/24/00	ND	ND	ND	ND	ND
12B	60-66"	5119.18	1/24/00	ND	ND	ND	ND	ND

Only detected compounds are listed.
All concentrations are given in milligrams per kilogram (mg/Kg), equivalent to parts per million (ppm).
* Regulatory levels are based on NJDEP's Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Exceedances of the RDCSCC are highlighted and printed in **bold-faced** type.
ND: Not Detected

Table 1
PCB Geoprobe Soil Investigation Results
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	Arochlor 1016	Arochlor 1242	Arochlor 1254	Arochlor 1260	Total PCB
Regulatory Level (mg/Kg)*				0.49	0.49	0.49	0.49	0.49
12C	0-6"	5119.19	1/24/00	ND	ND	ND	ND	ND
12C	12-18"	5119.20	1/24/00	ND	ND	ND	ND	ND
12C	24-30"	5119.21	1/24/00	ND	ND	ND	ND	ND
12C	36-42"	5119.22	1/24/00	ND	ND	ND	ND	ND
12C	48-54"	5119.23	1/24/00	ND	ND	ND	ND	ND
12C	60-66"	5119.24	1/24/00	ND	ND	ND	ND	ND
12D	0-6"	5148.09	2/7/00	ND	ND	ND	ND	ND
12D	12-18"	5148.10	2/7/00	ND	ND	ND	ND	ND
12D	24-30"	5148.11	2/7/00	ND	ND	ND	ND	ND
12D	36-42"	5148.12	2/7/00	ND	ND	ND	ND	ND
12D	48-54"	5148.13	2/7/00	ND	ND	ND	ND	ND
12D	60-66"	5148.14	2/7/00	ND	ND	ND	ND	ND
12D	72-78"	5148.15	2/7/00	ND	ND	ND	ND	ND
12D	84-90"	5148.16	2/7/00	ND	ND	ND	ND	ND
12D	96-102"	5148.17	2/7/00	ND	ND	ND	ND	ND
12D	108-114"	5148.18	2/7/00	ND	ND	ND	ND	ND
12E	0-6"	5148.49	2/7/00	ND	ND	ND	ND	ND
12E	12-18"	5148.50	2/7/00	ND	ND	ND	ND	ND
12E	24-30"	5148.51	2/7/00	ND	ND	ND	ND	ND
12E	36-42"	5148.52	2/7/00	ND	ND	ND	ND	ND
12E	48-54"	5148.53	2/7/00	ND	ND	ND	ND	ND
12E	60-66"	5148.54	2/7/00	ND	ND	ND	ND	ND
12E	72-78"	5148.55	2/7/00	ND	ND	ND	ND	ND
12E	84-90"	5148.56	2/7/00	ND	ND	ND	ND	ND
12E	96-102"	5148.57	2/7/00	ND	ND	ND	**2.315**	**2.315**
12E	108-114"	5148.58	2/7/00	ND	ND	**9.961**	ND	**9.961**
12F	0-6"	5148.59	2/7/00	ND	**1.167**	ND	ND	**1.167**
12F	12-18"	5148.60	2/7/00	ND	ND	ND	ND	ND
12F	24-30"	5148.61	2/7/00	ND	ND	ND	ND	ND
12F	36-42"	5148.62	2/7/00	ND	ND	ND	ND	ND
12F	48-54"	5148.63	2/7/00	ND	ND	ND	ND	ND
12F	60-66"	5148.64	2/7/00	ND	ND	ND	ND	ND
12F	72-78"	5148.65	2/7/00	ND	ND	ND	ND	ND
12F	84-90"	5148.66	2/7/00	ND	ND	ND	ND	ND
12F	96-102"	5148.67	2/7/00	ND	ND	**1.985**	ND	**1.985**
12F	108-114"	5148.68	2/7/00	ND	ND	ND	ND	ND
12G	0-6"	5272.41	3/22/00	ND	ND	**0.556**	ND	**0.556**
12G	12-18"	5272.42	3/22/00	ND	ND	ND	ND	ND
12G	24-30"	5272.43	3/22/00	ND	ND	ND	ND	ND
12G	36-42"	5272.44	3/22/00	ND	ND	ND	ND	ND
12G	48-54"	5272.45	3/22/00	ND	ND	ND	ND	ND
12G	60-66"	5272.46	3/22/00	ND	ND	ND	ND	ND
12G	72-78"	5272.47	3/22/00	ND	ND	ND	ND	ND
12G	84-90"	5272.48	3/22/00	ND	ND	ND	ND	ND
12G	96-102"	5272.49	3/22/00	ND	ND	ND	ND	ND
12G	108-114"	5272.50	3/22/00	ND	ND	ND	ND	ND
12H	0-6"	5272.31	3/22/00	ND	**0.496**	ND	ND	**0.496**

Only detected compounds are listed.
All concentrations are given in milligrams per kilogram (mg/Kg), equivalent to parts per million (ppm).
* Regulatory levels are based on NJDEP's Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Exceedances of the RDCSCC are highlighted and printed in **bold-faced** type.
ND: Not Detected

Table 1
PCB Geoprobe Soil Investigation Results
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	Arochlor 1016	Arochlor 1242	Arochlor 1254	Arochlor 1260	Total PCB
Regulatory Level (mg/Kg)*				0.49	0.49	0.49	0.49	0.49
12H	12-18"	5272.32	3/22/00	ND	ND	ND	ND	ND
12H	24-30"	5272.33	3/22/00	ND	ND	ND	ND	ND
12H	36-42"	5272.34	3/22/00	ND	ND	ND	ND	ND
12H	48-54"	5272.35	3/22/00	ND	ND	**1.533**	ND	**1.533**
12H	60-66"	5272.36	3/22/00	ND	ND	**1.885**	ND	**1.885**
12H	72-78"	5272.37	3/22/00	ND	ND	ND	ND	ND
12H	84-90"	5272.38	3/22/00	ND	ND	ND	ND	ND
12H	96-102"	5272.39	3/22/00	ND	ND	ND	ND	ND
12H	108-114"	5272.40	3/22/00	ND	ND	ND	ND	ND
12I	0-6"	5272.21	3/22/00	ND	ND	**6.697**	ND	**6.697**
12I	12-18"	5272.22	3/22/00	ND	ND	ND	ND	ND
12I	24-30"	5272.23	3/22/00	ND	ND	ND	ND	ND
12I	36-42"	5272.24	3/22/00	ND	ND	ND	ND	ND
12I	48-54"	5272.25	3/22/00	ND	ND	ND	ND	ND
12I	60-66"	5272.26	3/22/00	ND	ND	ND	ND	ND
12I	72-78"	5272.27	3/22/00	ND	ND	ND	ND	ND
12I	84-90"	5272.28	3/22/00	ND	ND	ND	ND	ND
12I	96-102"	5272.29	3/22/00	ND	ND	ND	ND	ND
12I	108-114"	5272.30	3/22/00	ND	ND	ND	ND	ND
13	0-6"	4294.02	2/23/99	ND	ND	ND	ND	ND
13	12-18"	4294.03	2/23/99	ND	ND	ND	ND	ND
13	24-30"	4294.04	2/23/99	ND	ND	ND	ND	ND
13	36-42"	4294.05	2/23/99	ND	ND	ND	ND	ND
13	48-54"	4294.06	2/23/99	**0.915**	ND	ND	ND	**0.915**
13	60-66"	4294.07	2/23/99	**3.170**	ND	ND	**1.491**	**4.661**
13	72-78"	5119.45	1/24/00	ND	ND	ND	ND	ND
13	84-90"	5119.46	1/24/00	ND	ND	ND	ND	ND
13	96-102"	5119.47	1/24/00	ND	ND	ND	ND	ND
13	108-114"	5119.48	1/24/00	ND	ND	ND	ND	ND
14	0-6"	4294.08	2/23/99	ND	ND	ND	0.102	0.102
14	12-18"	4294.09	2/23/99	0.236	ND	ND	0.072	0.308
14	24-30"	4294.10	2/23/99	ND	ND	ND	ND	ND
14	36-42"	4294.11	2/23/99	ND	ND	ND	ND	ND
14	48-54"	4294.12	2/23/99	ND	ND	ND	ND	ND
14	60-66"	4294.13	2/23/99	0.402	ND	ND	0.062	0.464
15	0-6"	4294.14	2/23/99	0.083	ND	ND	0.089	0.172
15	12-18"	4294.15	2/23/99	0.140	ND	ND	0.058	0.198
15	24-30"	4294.16	2/23/99	ND	ND	ND	ND	ND
15	36-42"	4294.17	2/23/99	ND	ND	ND	ND	ND
15	48-54"	4294.18	2/23/99	ND	ND	ND	ND	ND
15	60-66"	4294.19	2/23/99	ND	ND	ND	0.134	0.134
15A	0-6"	4890.19	10/27/99	ND	ND	ND	ND	ND
15A	12-18"	4890.20	10/27/99	ND	ND	ND	ND	ND
15A	24-30"	4890.21	10/27/99	ND	ND	ND	ND	ND
15A	36-42"	4890.22	10/27/99	ND	ND	ND	ND	ND
15A	48-54"	4890.23	10/27/99	ND	ND	ND	ND	ND
15A	60-66"	4890.24	10/27/99	ND	ND	ND	**0.667**	**0.667**

Only detected compounds are listed.
All concentrations are given in milligrams per kilogram (mg/Kg), equivalent to parts per million (ppm).
* Regulatory levels are based on NJDEP's Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Exceedances of the RDCSCC are highlighted and printed in **bold-faced** type.
ND: Not Detected

Table 1
PCB Geoprobe Soil Investigation Results
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	Arochlor 1016	Arochlor 1242	Arochlor 1254	Arochlor 1260	Total PCB
Regulatory Level (mg/Kg)*				0.49	0.49	0.49	0.49	0.49
15A	72-78"	4890.25	10/27/99	ND	ND	ND	ND	ND
15A	84-90"	4890.26	10/27/99	ND	ND	**42.494**	ND	**42.494**
15A	90-96"	4890.27	10/27/99	ND	ND	ND	ND	ND
15B	0-6"	4963.29	11/23/99	ND	ND	ND	ND	ND
15B	12-18"	4963.30	11/23/99	ND	ND	ND	ND	ND
15B	24-30"	4963.31	11/23/99	ND	ND	ND	ND	ND
15B	36-42"	4963.32	11/23/99	ND	ND	ND	ND	ND
15B	48-54"	4963.33	11/23/99	ND	ND	ND	ND	ND
15B	60-66"	4963.34	11/23/99	ND	ND	ND	ND	ND
15B	72-78"	4963.35	11/23/99	ND	ND	ND	ND	ND
15B	84-90"	4963.36	11/23/99	ND	ND	ND	ND	ND
16	0-6"	4294.23	2/23/99	ND	ND	ND	ND	ND
16	12-18"	4294.24	2/23/99	ND	ND	ND	ND	ND
16	24-30"	4294.25	2/23/99	ND	ND	ND	ND	ND
16	36-42"	4294.26	2/23/99	0.116	ND	ND	0.054	0.170
16	48-54"	4294.27	2/23/99	ND	ND	ND	ND	ND
16	60-66"	4294.28	2/23/99	**0.590**	ND	ND	0.129	**0.719**
17	0-6"	4307.01	3/1/99	ND	ND	ND	ND	ND
17	12-18"	4307.02	3/1/99	ND	ND	ND	ND	ND
17	24-30"	4307.03	3/1/99	ND	ND	ND	ND	ND
17	36-42"	4307.04	3/1/99	**40.042**	ND	ND	**0.867**	**40.909**
17	48-54"	4307.05	3/1/99	**0.518**	ND	ND	0.041	**0.559**
17	60-66"	4307.06	3/1/99	**1.058**	ND	ND	ND	**1.058**
18	0-6"	4307.07	3/1/99	ND	ND	ND	ND	ND
18	12-18"	4307.08	3/1/99	ND	ND	ND	ND	ND
18	24-30"	4307.09	3/1/99	ND	ND	ND	ND	ND
18	36-42"	4307.10	3/1/99	**394.167**	ND	ND	**2.893**	**397.060**
18	48-54"	4307.11	3/1/99	**5.089**	ND	ND	0.478	**5.567**
18	60-66"	4307.12	3/1/99	**4.733**	ND	ND	0.042	**4.775**
18	72-78"	5119.49	1/24/00	ND	ND	ND	ND	ND
18	84-90"	5119.50	1/24/00	ND	ND	ND	ND	ND
18	96-102"	5119.51	1/24/00	ND	ND	ND	ND	ND
18	108-114"	5119.52	1/24/00	ND	ND	ND	ND	ND
18A	0-6"	4903.16	11/1/99	ND	ND	ND	ND	ND
18A	12-18"	4903.17	11/1/99	ND	ND	ND	ND	ND
18A	24-30"	4903.18	11/1/99	ND	ND	ND	ND	ND
18A	36-42"	4903.19	11/1/99	ND	ND	ND	ND	ND
18A	48-54"	4903.20	11/1/99	ND	ND	ND	ND	ND
18A	60-66"	4903.21	11/1/99	ND	ND	ND	ND	ND
18A	72-78"	4903.22	11/1/99	ND	ND	ND	ND	ND
18B	0-6"	4963.47	11/23/99	ND	ND	ND	ND	ND
18B	12-18"	4963.48	11/23/99	ND	ND	ND	ND	ND
18B	24-30"	4963.49	11/23/99	ND	ND	ND	ND	ND
18B	36-42"	4963.50	11/23/99	ND	ND	ND	ND	ND
18B	48-54"	4963.51	11/23/99	ND	ND	ND	ND	ND
18B	60-66"	4963.52	11/23/99	ND	ND	ND	ND	ND
18B	72-78"	4963.53	11/23/99	ND	ND	ND	ND	ND

Only detected compounds are listed.
All concentrations are given in milligrams per kilogram (mg/Kg), equivalent to parts per million (ppm).
* Regulatory levels are based on NJDEP's Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Exceedances of the RDCSCC are highlighted and printed in **bold-faced** type.
ND: Not Detected

Table 1
PCB Geoprobe Soil Investigation Results
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	Arochlor 1016	Arochlor 1242	Arochlor 1254	Arochlor 1260	Total PCB
Regulatory Level (mg/Kg)*				0.49	0.49	0.49	0.49	0.49
18B	84-90"	4963.54	11/23/99	ND	ND	ND	ND	ND
19	0-6"	4307.13	3/1/99	ND	ND	ND	ND	ND
19	12-18"	4307.14	3/1/99	ND	ND	ND	ND	ND
19	24-30"	4307.15	3/1/99	ND	ND	ND	ND	ND
19	36-42"	4307.16	3/1/99	**1.892**	ND	ND	0.104	**1.996**
19	48-54"	4307.17	3/1/99	**4.111**	ND	ND	**0.918**	**5.029**
19	60-66"	4307.18	3/1/99	**24.754**	ND	ND	**0.558**	**25.312**
19	72-78"	5119.53	1/24/00	ND	ND	ND	ND	ND
19	84-90"	5119.54	1/24/00	ND	ND	ND	ND	ND
19	96-102"	5119.55	1/24/00	ND	ND	ND	ND	ND
19	108-114"	5119.56	1/24/00	ND	ND	ND	ND	ND
20	0-6"	4307.19	3/1/99	ND	ND	ND	ND	ND
20	12-18"	4307.20	3/1/99	ND	ND	ND	0.009	0.009
20	24-30"	4307.21	3/1/99	ND	ND	ND	ND	ND
20	36-42"	4307.22	3/1/99	ND	ND	ND	ND	ND
20	48-54"	4307.23	3/1/99	ND	ND	0.264	ND	0.264
20	60-66"	4307.24	3/1/99	ND	ND	**0.580**	ND	**0.580**
21	0-6"	4313.02	3/2/99	ND	ND	ND	ND	ND
21	12-18"	4313.03	3/2/99	ND	ND	ND	ND	ND
21	24-30"	4313.04	3/2/99	ND	ND	ND	0.039	0.039
21	36-42"	4313.05	3/2/99	ND	ND	ND	ND	ND
21	48-54"	4313.06	3/2/99	ND	ND	ND	ND	ND
21	60-66"	4313.07	3/2/99	**21.553**	ND	ND	**0.843**	**22.396**
21	72-78"	5119.57	1/24/00	ND	ND	ND	ND	ND
21	84-90"	5119.58	1/24/00	ND	ND	ND	ND	ND
21	96-102"	5119.59	1/24/00	ND	ND	ND	ND	ND
21	108-114"	5119.60	1/24/00	ND	ND	ND	ND	ND
21A	0-6"	4903.09	11/1/99	ND	ND	ND	ND	ND
21A	12-18"	4903.10	11/1/99	ND	ND	ND	ND	ND
21A	24-30"	4903.11	11/1/99	ND	ND	ND	ND	ND
21A	36-42"	4903.12	11/1/99	ND	ND	ND	ND	ND
21A	48-54"	4903.13	11/1/99	ND	ND	ND	ND	ND
21A	60-66"	4903.14	11/1/99	ND	ND	ND	ND	ND
21A	72-78"	4903.15	11/1/99	ND	ND	ND	ND	ND
21B	0-6"	4965.02	11/24/99	ND	ND	ND	ND	ND
21B	12-18"	4965.03	11/24/99	ND	ND	ND	ND	ND
21B	24-30"	4965.04	11/24/99	ND	ND	ND	ND	ND
21B	36-42"	4965.05	11/24/99	ND	ND	ND	ND	ND
21B	48-54"	4965.06	11/24/99	ND	ND	ND	ND	ND
21B	60-66"	4965.07	11/24/99	ND	ND	ND	ND	ND
21B	72-78"	4965.08	11/24/99	ND	ND	ND	ND	ND
21B	84-90"	4965.09	11/24/99	ND	ND	ND	ND	ND
22	0-6"	4313.11	3/2/99	ND	ND	ND	ND	ND
22	12-18"	4313.12	3/2/99	ND	ND	ND	ND	ND
22	24-30"	4313.13	3/2/99	0.185	ND	ND	0.090	0.275
22	36-42"	4313.14	3/2/99	0.193	ND	ND	ND	0.193
22	48-54"	4313.15	3/2/99	0.429	ND	ND	0.086	**0.515**

Only detected compounds are listed.
All concentrations are given in milligrams per kilogram (mg/Kg), equivalent to parts per million (ppm).
* Regulatory levels are based on NJDEP's Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Exceedances of the RDCSCC are highlighted and printed in **bold-faced** type.
ND: Not Detected

Table 1
PCB Geoprobe Soil Investigation Results
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	Arochlor 1016	Arochlor 1242	Arochlor 1254	Arochlor 1260	Total PCB
Regulatory Data (mg/Kg)*				0.49	0.49	0.49	0.49	0.49
22	60-66"	4313.16	3/2/99	ND	ND	ND	0.064	0.064
23	0-6"	4313.18	3/2/99	ND	ND	ND	ND	ND
23	12-18"	4313.19	3/2/99	ND	ND	ND	ND	ND
23	24-30"	4313.20	3/2/99	ND	ND	ND	ND	ND
23	36-42"	4313.21	3/2/99	ND	ND	ND	ND	ND
23	48-54"	4313.22	3/2/99	**0.831**	ND	ND	0.083	**0.914**
23	60-66"	4313.23	3/2/99	ND	ND	ND	ND	ND
24	0-6"	4316.02	3/3/99	ND	ND	ND	ND	ND
24	12-18"	4316.03	3/3/99	ND	ND	ND	ND	ND
24	24-30"	4316.04	3/3/99	ND	ND	ND	ND	ND
24	36-42"	4316.05	3/3/99	ND	ND	ND	ND	ND
24	48-54"	4316.06	3/3/99	ND	ND	ND	ND	ND
24	60-66"	4316.07	3/3/99	ND	ND	ND	ND	ND
24A	0-6"	4903.02	11/1/99	ND	ND	ND	ND	ND
24A	12-18"	4903.03	11/1/99	ND	ND	ND	ND	ND
24A	24-30"	4903.04	11/1/99	ND	ND	ND	ND	ND
24A	36-42"	4903.05	11/1/99	ND	ND	ND	ND	ND
24A	48-54"	4903.06	11/1/99	ND	ND	ND	ND	ND
24A	60-66"	4903.07	11/1/99	ND	ND	ND	ND	ND
24A	72-78"	4903.08	11/1/99	ND	**5.364**	ND	ND	**5.364**
24A	84-90"	5119.69	1/24/00	ND	ND	ND	ND	ND
24A	96-102"	5119.70	1/24/00	ND	ND	ND	ND	ND
24A	108-114"	5119.71	1/24/00	ND	ND	ND	ND	ND
24A	120-126"	5119.72	1/24/00	ND	ND	ND	ND	ND
24A	132-138"	5119.73	1/24/00	ND	ND	ND	ND	ND
24B	0-6"	4965.11	11/24/99	ND	ND	ND	ND	ND
24B	12-18"	4965.12	11/24/99	ND	ND	ND	ND	ND
24B	24-30"	4965.13	11/24/99	ND	ND	ND	ND	ND
24B	36-42"	4965.14	11/24/99	ND	ND	ND	ND	ND
24B	48-54"	4965.15	11/24/99	ND	ND	ND	ND	ND
24B	60-66"	4965.16	11/24/99	ND	ND	ND	ND	ND
24B	72-78"	4965.17	11/24/99	ND	ND	ND	ND	ND
24B	84-90"	4965.18	11/24/99	ND	ND	ND	ND	ND
24B Field Dup	0-6"	4965.20	11/24/99	ND	ND	ND	ND	ND
24B Field Dup	12-18"	4965.21	11/24/99	ND	ND	ND	ND	ND
24B Field Dup	24-30"	4965.22	11/24/99	ND	ND	ND	ND	ND
24B Field Dup	36-42"	4965.23	11/24/99	ND	ND	ND	ND	ND
24B Field Dup	48-54"	4965.24	11/24/99	ND	ND	ND	ND	ND
24B Field Dup	60-66"	4965.25	11/24/99	ND	ND	ND	ND	ND
24B Field Dup	72-78"	4965.26	11/24/99	ND	ND	ND	ND	ND
24B Field Dup	84-90"	4965.27	11/24/99	ND	ND	ND	ND	ND
24C	0-6"	5119.74	1/24/00	ND	ND	ND	ND	ND
24C	12-18"	5119.75	1/24/00	ND	ND	ND	ND	ND
24C	24-30"	5119.76	1/24/00	ND	ND	ND	ND	ND
24C	36-42"	5119.77	1/24/00	ND	**9.354**	ND	ND	**9.354**
24C	48-54"	5119.78	1/24/00	ND	**805.055**	ND	ND	**805.055**
24C	60-66"	5119.79	1/24/00	ND	**48.835**	ND	ND	**48.835**

Only detected compounds are listed.
All concentrations are given in milligrams per kilogram (mg/Kg), equivalent to parts per million (ppm).
* Regulatory levels are based on NJDEP's Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Exceedances of the RDCSCC are highlighted and printed in **bold-faced** type.
ND: Not Detected

Table 1
PCB Geoprobe Soil Investigation Results
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	Arochlor 1016	Arochlor 1242	Arochlor 1254	Arochlor 1260	Total PCB
Regulatory Level (mg/Kg)*				0.49	0.49	0.49	0.49	0.49
24C	72-78"	5148.05	2/7/00	ND	ND	ND	ND	ND
24C	84-90"	5148.06	2/7/00	ND	ND	ND	ND	ND
24C	96-102"	5148.07	2/7/00	ND	ND	ND	ND	ND
24C	108-114"	5148.08	2/7/00	ND	ND	ND	ND	ND
24D	0-6"	5148.69	2/7/00	ND	ND	ND	ND	ND
24D	12-18"	5148.70	2/7/00	ND	ND	ND	ND	ND
24D	24-30"	5148.71	2/7/00	ND	ND	ND	ND	ND
24D	36-42"	5148.72	2/7/00	ND	ND	ND	ND	ND
24D	48-54"	5148.73	2/7/00	ND	ND	ND	ND	ND
24D	60-66"	5148.74	2/7/00	ND	ND	ND	ND	ND
24D	72-78"	5148.75	2/7/00	ND	ND	ND	ND	ND
24D	84-90"	5148.76	2/7/00	ND	ND	ND	ND	ND
24D	96-102"	5148.77	2/7/00	ND	ND	ND	ND	ND
24D	108-114"	5148.78	2/7/00	ND	ND	ND	ND	ND
24E	0-6"	5148.79	2/7/00	ND	ND	ND	ND	ND
24E	12-18"	5148.80	2/7/00	ND	ND	ND	ND	ND
24E	24-30"	5148.81	2/7/00	ND	ND	**0.596**	ND	**0.596**
24E	36-42"	5148.82	2/7/00	ND	ND	ND	ND	ND
24E	48-54"	5148.83	2/7/00	ND	ND	ND	**0.591**	**0.591**
24E	60-66"	5148.84	2/7/00	ND	ND	ND	ND	ND
24E	72-78"	5148.85	2/7/00	ND	ND	ND	ND	ND
24E	84-90"	5148.86	2/7/00	ND	ND	ND	ND	ND
24E	96-102"	5148.87	2/7/00	ND	ND	ND	ND	ND
24E	108-114"	5148.88	2/7/00	ND	ND	ND	ND	ND
24F	0-6"	5148.89	2/7/00	ND	ND	ND	ND	ND
24F	12-18"	5148.90	2/7/00	ND	ND	ND	ND	ND
24F	24-30"	5148.91	2/7/00	ND	ND	ND	ND	ND
24F	36-42"	5148.92	2/7/00	ND	ND	ND	ND	ND
24F	48-54"	5148.93	2/7/00	ND	ND	ND	ND	ND
24F	60-66"	5148.94	2/7/00	ND	ND	ND	ND	ND
24F	72-78"	5148.95	2/7/00	ND	ND	ND	ND	ND
24F	84-90"	5148.96	2/7/00	ND	ND	ND	ND	ND
24F	96-102"	5148.97	2/7/00	ND	ND	ND	**4.126**	**4.126**
24F	108-114"	5148.98	2/7/00	ND	ND	ND	**1.756**	**1.756**
24G	0-6"	5148.99	2/7/00	ND	ND	ND	ND	ND
24G	12-18"	5148.100	2/7/00	ND	ND	ND	ND	ND
24G	24-30"	5148.101	2/7/00	ND	ND	ND	ND	ND
24G	36-42"	5148.102	2/7/00	ND	ND	ND	ND	ND
24G	48-54"	5148.103	2/7/00	ND	ND	ND	ND	ND
24G	60-66"	5148.104	2/7/00	ND	ND	ND	ND	ND
24G	72-78"	5148.105	2/7/00	ND	ND	ND	ND	ND
24G	84-90"	5148.106	2/7/00	ND	ND	ND	ND	ND
24G	96-102"	5148.107	2/7/00	ND	ND	ND	ND	ND
24G	108-114"	5148.108	2/7/00	ND	ND	ND	ND	ND
24H	0-6"	5148.109	2/7/00	ND	ND	ND	ND	ND
24H	12-18"	5148.110	2/7/00	ND	ND	ND	ND	ND
24H	24-30"	5148.111	2/7/00	ND	ND	ND	ND	ND

Only detected compounds are listed.
All concentrations are given in milligrams per kilogram (mg/Kg), equivalent to parts per million (ppm).
* Regulatory levels are based on NJDEP's Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Exceedances of the RDCSCC are highlighted and printed in **bold-faced** type.
ND: Not Detected

Table 1
PCB Geoprobe Soil Investigation Results
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	Arochlor 1016	Arochlor 1242	Arochlor 1254	Arochlor 1260	Total PCB
Regulatory Level (mg/Kg)*				0.49	0.49	0.49	0.49	0.49
24H	36-42"	5148.112	2/7/00	ND	ND	ND	ND	ND
24H	48-54"	5148.113	2/7/00	ND	ND	ND	ND	ND
24H	60-66"	5148.114	2/7/00	ND	ND	ND	ND	ND
24H	72-78"	5148.115	2/7/00	ND	ND	ND	ND	ND
24H	84-90"	5148.116	2/7/00	ND	ND	ND	ND	ND
24H	96-102"	5148.117	2/7/00	ND	ND	ND	ND	ND
24H	108-114"	5148.118	2/7/00	ND	ND	ND	ND	ND
24H Field Dup	72-78"	5148.119	2/7/00	ND	ND	ND	ND	ND
24H Field Dup	84-90"	5148.120	2/7/00	ND	ND	ND	ND	ND
24H Field Dup	96-102"	5148.121	2/7/00	ND	ND	ND	ND	ND
24H Field Dup	108-114"	5148.122	2/7/00	ND	ND	ND	ND	ND
25	0-6"	4316.09	3/3/99	ND	ND	ND	ND	ND
25	12-18"	4316.10	3/3/99	ND	ND	ND	ND	ND
25	24-30"	4316.11	3/3/99	ND	ND	ND	ND	ND
25	36-42"	4316.12	3/3/99	**0.653**	ND	ND	**0.690**	**1.343**
25	48-54"	4316.13	3/3/99	ND	ND	ND	0.039	0.039
25	60-66"	4316.14	3/3/99	ND	ND	**7.057**	ND	**7.057**
25	72-78"	5119.61	1/24/00	ND	ND	ND	ND	ND
25	84-90"	5119.62	1/24/00	ND	ND	ND	ND	ND
25	96-102"	5119.63	1/24/00	ND	ND	ND	ND	ND
25	108-114"	5119.64	1/24/00	ND	ND	ND	ND	ND
26	0-6"	4316.16	3/3/99	ND	ND	ND	0.020	0.020
26	12-18"	4316.17	3/3/99	ND	ND	ND	ND	ND
26	24-30"	4316.18	3/3/99	ND	ND	ND	ND	ND
26	36-42"	4316.19	3/3/99	0.320	ND	ND	0.383	**0.703**
26	48-54"	4316.20	3/3/99	**1.132**	ND	ND	0.026	**1.158**
26	60-66"	4316.21	3/3/99	**4.231**	ND	ND	ND	**4.231**
26	72-78"	5119.65	1/24/00	ND	ND	ND	ND	ND
26	84-90"	5119.66	1/24/00	ND	ND	ND	ND	ND
26	96-102"	5119.67	1/24/00	ND	ND	ND	ND	ND
26	108-114"	5119.68	1/24/00	ND	ND	ND	ND	ND
27	0-6"	4316.23	3/3/99	ND	ND	ND	ND	ND
27	12-18"	4316.24	3/3/99	ND	ND	ND	ND	ND
27	24-30"	4316.25	3/3/99	ND	ND	ND	ND	ND
27	36-42"	4316.26	3/3/99	ND	ND	ND	**0.707**	**0.707**
27	48-54"	4316.27	3/3/99	ND	ND	ND	ND	ND
27	60-66"	4316.28	3/3/99	ND	ND	ND	0.033	0.033
27A	0-6"	4903.23	11/1/99	ND	ND	ND	ND	ND
27A	12-18"	4903.24	11/1/99	ND	ND	ND	ND	ND
27A	24-30"	4903.25	11/1/99	ND	ND	ND	ND	ND
27A	36-42"	4903.26	11/1/99	ND	ND	ND	ND	ND
27A	48-54"	4903.27	11/1/99	ND	ND	ND	ND	ND
27A	60-66"	4903.28	11/1/99	ND	ND	ND	ND	ND
27A	72-78"	4903.29	11/1/99	ND	ND	ND	ND	ND
27B	0-6"	4963.38	11/23/99	ND	ND	ND	ND	ND
27B	12-18"	4963.39	11/23/99	ND	ND	ND	ND	ND
27B	24-30"	4963.40	11/23/99	ND	ND	ND	ND	ND

Only detected compounds are listed.
All concentrations are given in milligrams per kilogram (mg/Kg), equivalent to parts per million (ppm).
* Regulatory levels are based on NJDEP's Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Exceedances of the RDCSCC are highlighted and printed in **bold-faced** type.
ND: Not Detected

Table 1
PCB Geoprobe Soil Investigation Results
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	Arochlor 1016	Arochlor 1242	Arochlor 1254	Arochlor 1260	Total PCB
Regulatory Level (mg/Kg)*				0.49	0.49	0.49	0.49	0.49
27B	36-42"	4963.41	11/23/99	ND	ND	ND	ND	ND
27B	48-54"	4963.42	11/23/99	ND	ND	ND	ND	ND
27B	60-66"	4963.43	11/23/99	ND	ND	ND	ND	ND
27B	72-78"	4963.44	11/23/99	ND	ND	ND	ND	ND
27B	84-90"	4963.45	11/23/99	ND	ND	ND	ND	ND
27A Field Dup	0-6"	4903.34	11/1/99	ND	ND	ND	ND	ND
27A Field Dup	12-18"	4903.35	11/1/99	ND	ND	ND	ND	ND
27A Field Dup	24-30"	4903.36	11/1/99	ND	ND	ND	ND	ND
27A Field Dup	36-42"	4903.37	11/1/99	ND	ND	ND	ND	ND
27A Field Dup	48-54"	4903.38	11/1/99	ND	ND	ND	ND	ND
27A Field Dup	60-66"	4903.39	11/1/99	ND	ND	ND	ND	ND
27A Field Dup	72-78"	4903.40	11/1/99	ND	ND	ND	ND	ND
28	0-6"	4320.04	3/5/99	ND	ND	ND	ND	ND
28	12-18"	4320.05	3/5/99	ND	ND	ND	0.020	0.020
28	24-30"	4320.06	3/5/99	0.224	ND	ND	0.196	0.420
28	36-42"	4320.07	3/5/99	ND	ND	ND	ND	ND
28	48-54"	4320.08	3/5/99	**0.620**	ND	ND	0.231	**0.851**
28	60-66"	4320.09	3/5/99	**0.654**	ND	ND	0.315	**0.969**
29	0-6"	4320.10	3/5/99	ND	ND	ND	ND	ND
29	12-18"	4320.11	3/5/99	ND	ND	ND	ND	ND
29	24-30"	4320.12	3/5/99	ND	ND	ND	ND	ND
29	36-42"	4320.13	3/5/99	ND	ND	ND	ND	ND
29	48-54"	4320.14	3/5/99	ND	ND	ND	ND	ND
29	60-66"	4320.15	3/5/99	0.216	ND	ND	0.116	0.332
30	0-6"	4320.16	3/5/99	ND	ND	ND	ND	ND
30	12-18"	4320.17	3/5/99	ND	ND	ND	ND	ND
30	24-30"	4320.18	3/5/99	ND	ND	ND	0.049	0.049
30	36-42"	4320.19	3/5/99	ND	ND	ND	ND	ND
30	48-54"	4320.20	3/5/99	ND	ND	ND	ND	ND
30	60-66"	4320.21	3/5/99	ND	ND	ND	ND	ND
30 Field Dup	0-6"	4320.22	3/5/99	ND	ND	ND	ND	ND
30 Field Dup	12-18"	4320.23	3/5/99	ND	ND	ND	ND	ND
30 Field Dup	24-30"	4320.24	3/5/99	ND	ND	ND	ND	ND
30 Field Dup	36-42"	4320.25	3/5/99	ND	ND	ND	ND	ND
30 Field Dup	48-54"	4320.26	3/5/99	ND	ND	ND	ND	ND
30 Field Dup	60-66"	4320.27	3/5/99	ND	ND	ND	ND	ND

Only detected compounds are listed.
All concentrations are given in milligrams per kilogram (mg/Kg), equivalent to parts per million (ppm).
* Regulatory levels are based on NJDEP's Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Exceedances of the RDCSCC are highlighted and printed in **bold-faced** type.
ND: Not Detected

Table 2
PCB Geoprobe Groundwater Investigation Results
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	Arochlor 1016	Arochlor 1242	Arochlor 1260	Total PCB
Regulatory Level (ug/L)*				0.50	0.50	0.50	0.50
1	7-10'	4281.27	2/17/99	0.33	ND	0.232	**0.562**
2	7-10'	4281.28	2/17/99	ND	ND	ND	ND
3	7-10'	4281.29	2/17/99	ND	ND	ND	ND
3A	8-11'	4897.04	10/29/99	ND	ND	ND	ND
3B	8-11'	4963.28	11/23/99	ND	ND	ND	ND
4	7-10'	4281.30	2/17/99	**0.572**	ND	ND	**0.572**
5	7-10'	4285.20	2/19/99	ND	ND	ND	ND
6	7-10'	4285.21	2/19/99	ND	ND	ND	ND
6A	8-11'	4897.06	10/29/99	ND	ND	ND	ND
6B	8-11'	4963.19	11/23/99	ND	ND	ND	ND
7	7-10'	4285.22	2/19/99	0.412	ND	ND	0.412
8	7-10'	4290.32	2/22/99	0.414	ND	ND	0.414
9	7-10'	4290.33	2/22/99	**0.508**	ND	ND	**0.508**
9A	8-11'	4897.07	10/29/99	ND	ND	ND	ND
9B	8-11'	4963.10	11/23/99	ND	**11.950**	ND	**11.950**
10	7-10'	4290.34	2/22/99	**0.686**	ND	ND	**0.686**
10A	8-11'	4897.02	10/29/99	ND	ND	ND	ND
11	7-10'	4290.35	2/22/99	ND	ND	ND	ND
11A	8-11'	4897.03	10/29/99	ND	ND	ND	ND
12	7-10'	4290.36	2/22/99	ND	ND	ND	ND
13	7-10'	4294.20	2/23/99	0.133	ND	ND	0.133
14	7-10'	4294.21	2/23/99	ND	ND	ND	ND
15	7-10'	4294.22	2/23/99	ND	ND	ND	ND
15A	8-11'	4897.05	10/29/99	ND	ND	ND	ND
15B	8-11'	4963.37	11/23/99	ND	**11.140**	ND	**11.140**
16	8-10'	4299.02	2/24/99	ND	ND	ND	ND
17	7-10'	4320.02	3/5/99	0.366	ND	ND	0.366
18	7-10'	4320.03	3/5/99	ND	ND	ND	ND
18A	7-11'	4903.32	11/1/99	ND	ND	ND	ND
18B	8-11'	4963.55	11/23/99	ND	ND	ND	ND
19	7-10'	4313.08	3/2/99	ND	ND	ND	ND
20	7-10'	4313.09	3/2/99	0.262	ND	ND	0.262
21	7-10'	4313.10	3/2/99	**2.235**	ND	0.152	**2.387**
21A	7-11'	4903.31	11/1/99	ND	ND	ND	ND
21B	8-11'	4965.10	11/24/99	ND	ND	ND	ND
22	7-10'	4313.17	3/2/99	0.260	ND	ND	0.260
23	7-10'	4313.24	3/2/99	**0.772**	ND	ND	**0.772**
24	8-10'	4316.08	3/3/99	ND	ND	ND	ND
24A	7-11'	4903.30	11/1/99	ND	ND	ND	ND
24B	8-11'	4965.19	11/24/99	ND	ND	ND	ND
25	7-10'	4316.15	3/3/99	ND	ND	ND	ND
26	7-10'	4316.22	3/3/99	ND	ND	ND	ND
27	7-10'	4316.29	3/3/99	ND	ND	ND	ND
27A	7-11'	4903.33	11/1/99	ND	ND	ND	ND
27B	8-11'	4963.46	11/23/99	ND	ND	ND	ND
Field Dup	7-11'	4903.41	11/1/99	ND	ND	ND	ND

Only detected compounds are listed.
All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
* Regulatory level shown is higher of PQL and Ground Water Criteria (GWQC) as per NJAC 7:9-6.
Exceedances of the GWQC are highlighted and printed in **bold-faced** type.
ND: Not Detected

Table 2
PCB Geoprobe Groundwater Investigation Results
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	Arochlor 1016	Arochlor 1242	Arochlor 1260	Total PCB
Regulatory Level (ug/L)*				0.50	0.50	0.50	0.50
24B Field Dup	8-11'	4965.28	11/24/99	ND	ND	ND	ND
Field Blank	-	4281.02	2/17/99	ND	ND	ND	ND
Field Blank	-	4285.01	2/19/99	ND	ND	ND	ND
Field Blank	-	4290.01	2/22/99	ND	ND	ND	ND
Field Blank	-	4294.01	2/23/99	ND	ND	ND	ND
Field Blank	-	4299.01	2/24/99	ND	ND	ND	ND
Field Blank	-	4313.01	3/2/99	ND	ND	ND	ND
Field Blank	-	4316.01	3/3/99	ND	ND	ND	ND
Field Blank	-	4320.01	3/5/99	ND	ND	ND	ND
Field Blank	-	4897.01	10/29/99	ND	ND	ND	ND
Field Blank	-	4903.01	11/1/99	ND	ND	ND	ND
Field Blank	-	4963.01	11/23/99	ND	ND	ND	ND
Field Blank	-	4965.01	11/24/99	ND	ND	ND	ND

Only detected compounds are listed.
All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
* Regulatory level shown is higher of PQL and Ground Water Criteria (GWQC) as per NJAC 7:9-6.
Exceedances of the GWQC are highlighted and printed in **bold-faced** type.
ND: Not Detected

Table 3
Results of Geoprobe Soil Investigation - VOC
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	MeCl	Carbon Dl	Chloro-benzene	Benzene	Ethyl-benzene	Total Xylenes	2-Butanone	Toluene	Acetone	Chloroform
NJDEP RDCSCC*				49	NLE	37	3	1000	410	1000	1000	1000	19
31	78"	4328.03	3/8/99	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
32	78"	4328.05	3/8/99	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
33	78"	4328.07	3/8/99	0.510 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
34	78"	4332.03	3/9/99	0.940	ND	ND	ND	ND	ND	ND	ND	ND	ND
35	36"	4332.05	3/9/99	ND	ND	2.8	ND	ND	ND	ND	ND	ND	ND
36	42"	4332.07	3/9/99	0.85	ND	0.72	ND	ND	ND	ND	ND	ND	ND
37	78"	4332.09	3/9/99	0.82	ND	ND	ND	ND	ND	ND	ND	ND	ND
38	78"	4334.03	3/10/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
39	78"	4334.05	3/10/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
40	78"	4334.07	3/10/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
41	78"	4334.09	3/10/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
42	78"	4334.11	3/10/99	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND
43	78"	4339.03	3/11/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
44	78"	4339.05	3/11/99	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND
45	78"	4350.03	3/16/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
46	72"	4350.05	3/16/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
47	72"	4350.07	3/16/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
48	72"	4350.09	3/16/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
49	72"	4355.03	3/17/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
50	72"	4355.05	3/17/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
51	72"	4355.07	3/17/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
52	72"	4355.09	3/17/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
53	72"	4355.11	3/17/99	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
54	72"	4355.13	3/17/99	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
55	72"	4355.15	3/17/99	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Dup	72"	4355.17	3/17/99	0.56 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
56	72"	4358.03	3/18/99	ND	1.5	1.4	ND	ND	ND	ND	ND	ND	ND
57	72"	4358.05	3/18/99	ND	ND	0.43	ND	ND	ND	ND	ND	ND	ND
58	72"	4358.07	3/18/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
59	72"	4358.09	3/18/99	ND	ND	2.7	ND	ND	ND	ND	ND	ND	ND
59A	72"	4368.03	3/23/99	ND	ND	3.7	ND	ND	ND	ND	ND	ND	ND
60	72"	4368.05	3/23/99	ND	ND	1.00	ND	ND	0.710 J	ND	ND	ND	ND
61	72"	4368.07	3/23/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
62	39"	4368.09	3/23/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
63	72"	4368.11	3/23/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
64	72"	4368.13	3/23/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
65	72"	4368.15	3/23/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

Only detected compounds are listed.

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

*NJDEP RDCSCC - NJDEP Residential Direct Contact Soil Cleanup Criteria

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

J: Compound Identified Below Detection Limit

ND: Not Detected

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

Table 3
Results of Geoprobe Soil Investigation - VOC
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	MeCl	Carbon Dl	Chloro-benzene	Benzene	Ethyl-benzene	Total Xylenes	2-Butanone	Toluene	Acetone	Chloroform
NJDEP RDCSCC*				49	NLE	37	3	1000	410	1000	1000	1000	19
66	78"	4381.03	3/30/99	ND	ND	ND	0.43	ND	ND	ND	ND	ND	ND
67	78"	4381.05	3/30/99	ND	ND	0.51	ND	0.4 J	0.55	ND	ND	ND	ND
68	48"	4381.07	3/30/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
69	48"	4381.09	3/30/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
70	78"	4381.11	3/30/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
71	72"	4396.03	4/6/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72	66"	4396.05	4/6/99	ND	ND	ND	0.600	0.680 J	2.75	ND	0.420	ND	ND
73	66"	4396.07	4/6/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
74	72"	4407.03	4/9/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75	72"	4407.05	4/9/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
76	48"	4407.07	4/9/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Dup	48"	4407.09	4/9/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
77	78"	4414.03	4/13/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
78	78"	4414.05	4/13/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
79	42"	4414.07	4/13/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
80	54"	4414.09	4/13/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
81	66"	4417.03	4/14/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
82	46"	4417.05	4/14/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
83	90"	4417.07	4/14/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84	90"	4417.09	4/14/99	1.6	ND	ND	0.62	0.41 J	2.5	ND	2	ND	ND
85	90"	4417.11	4/14/99	ND	ND	ND	0.68	ND	ND	ND	ND	ND	ND
86	90"	4417.13	4/14/99	ND	ND	ND	0.47	ND	ND	ND	ND	ND	ND
87	60"	4422.03	4/16/99	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
88	46"	4422.05	4/16/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
89	72"	4422.07	4/16/99	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
90	72"	4422.09	4/16/99	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
91	72"	4422.11	4/16/99	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
92	90"	4433.03	4/21/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
93	72"	4433.05	4/21/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
94	72"	4433.07	4/21/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95	90"	4433.09	4/21/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
96	90"	4433.11	4/21/99	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND
97	78"	4442.03	4/26/99	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
98	78"	4442.05	4/26/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
99	66"	4442.07	4/26/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100	60"	4442.09	4/26/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
101	108"	4442.11	4/26/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

Only detected compounds are listed.

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

*NJDEP RDCSCC - NJDEP Residential Direct Contact Soil Cleanup Criteria

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

J: Compound Identified Below Detection Limit

ND: Not Detected

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

Table 3
Results of Geoprobe Soil Investigation - VOC
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	MeCl	Carbon Dl	Chloro-benzene	Benzene	Ethyl-benzene	Total Xylenes	2-Butanone	Toluene	Acetone	Chloroform
NJDEP RDCSCC*				49	NLE	37	3	1000	410	1000	1000	1000	19
102	90"	4445.03	4/27/99	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
103	90"	4445.05	4/27/99	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
104	96"	4445.07	4/27/99	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
105	60"	4445.09	4/27/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106	72"	4445.11	4/27/99	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
107	108"	4445.13	4/27/99	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Dup	90"	4445.15	4/27/99	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
108	60"	4461.03	5/4/99	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
109	60"	4461.05	5/4/99	1.1	ND	ND	0.34	ND	ND	ND	ND	ND	ND
110	60"	4461.07	5/4/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
111	48"	4461.09	5/4/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
112	48"	4461.11	5/4/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
113	60"	4465.03	5/6/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
114	60"	4465.05	5/6/99	ND	ND	ND	ND	ND	ND	ND	ND	4.6	ND
115	60"	4465.07	5/6/99	ND	ND	ND	ND	ND	ND	ND	ND	5.0	ND
116	60"	4465.09	5/6/99	ND	ND	ND	ND	ND	ND	ND	ND	5.1	ND
117	54"	4465.11	5/6/99	ND	ND	ND	ND	ND	ND	ND	ND	5.5	ND
118	54"	4465.13	5/6/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Dup	60"	4465.15	5/6/99	ND	ND	ND	ND	ND	ND	ND	ND	5.9	ND
64A	90"	4912.03	11/3/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
65A	90"	4912.05	11/3/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
66A	90"	4912.07	11/3/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67A	90"	4912.09	11/3/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
68A	90"	4912.11	11/3/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
69A	90"	4912.13	11/3/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
64B	90"	4915.03	11/4/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
65B	90"	4915.05	11/4/99	0.99	ND	ND	ND	ND	ND	ND	ND	ND	ND
66B	90"	4915.07	11/4/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67B	90"	4915.09	11/4/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
68B	90"	4915.11	11/4/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
69B	90"	4915.13	11/4/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
113A	90"	4931.03	11/8/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
114A	90"	4931.05	11/8/99	ND	ND	0.77	ND	ND	ND	ND	ND	ND	ND
115A	90"	4931.07	11/8/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
116A	90"	4931.09	11/8/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117A	90"	4933.03	11/10/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
114B	90"	4933.05	11/10/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

Only detected compounds are listed.

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

*NJDEP RDCSCC - NJDEP Residential Direct Contact Soil Cleanup Criteria

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

J: Compound Identified Below Detection Limit

ND: Not Detected

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

Table 3
Results of Geoprobe Soil Investigation - VOC
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	MeCl	Carbon Dl	Chloro-benzene	Benzene	Ethyl-benzene	Total Xylenes	2-Butanone	Toluene	Acetone	Chloroform
NJDEP RDCSCC*				49	NLE	37	3	1000	410	1000	1000	1000	19
115B	90"	4933.07	11/10/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
116B	90"	4933.09	11/10/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117B	90"	4933.11	11/10/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
118B	90"	4933.13	11/10/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Dup	90"	4933.15	11/10/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
114C	90"	4968.03	11/30/99	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
115C	90"	4968.05	11/30/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
116C	90"	4968.07	11/30/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117C	90"	4968.09	11/30/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
118C	90"	4968.11	11/30/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
119C	90"	4968.13	11/30/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
113D	90"	4971.03	12/1/99	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND
114D	90"	4971.05	12/1/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
115D	90"	4971.07	12/1/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
116D	90"	4971.09	12/1/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117D	90"	4971.11	12/1/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.35
118D	90"	4972.03	12/2/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
113E	90"	4972.05	12/2/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.39
114E	90"	4972.07	12/2/99	ND	ND	ND	ND	1.1	4	ND	0.54	ND	0.49
115E	90"	4972.09	12/2/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
116E	90"	4972.11	12/2/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Dup	90"	4972.13	12/2/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117E	90"	4979.03	12/3/99	5.0	ND	ND	ND	ND	ND	ND	ND	ND	0.31
118E	90"	4979.05	12/3/99	1.2	ND	ND	ND	ND	ND	ND	ND	ND	0.29
64C	96"	4979.07	12/3/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
65C	96"	4979.09	12/3/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
66C	96"	4979.11	12/3/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67C	96"	4979.13	12/3/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
68C	96"	4979.15	12/3/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
64D	96"	4990.03	12/6/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
65D	96"	4990.05	12/6/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
66D	96"	4990.07	12/6/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67D	96"	4990.09	12/6/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
68D	96"	4995.03	12/7/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55
64E	96"	4995.05	12/7/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.43
65E	96"	4995.07	12/7/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.34
66E	96"	4995.09	12/7/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.33

NOTES:

Only detected compounds are listed.

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

*NJDEP RDCSCC - NJDEP Residential Direct Contact Soil Cleanup Criteria

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

J: Compound Identified Below Detection Limit

ND: Not Detected

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

Table 3
Results of Geoprobe Soil Investigation - VOC
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	MeCl	Carbon Dl	Chloro-benzene	Benzene	Ethyl-benzene	Total Xylenes	2-Butanone	Toluene	Acetone	Chloroform
NJDEP RDCSCC*				49	NLE	37	3	1000	410	1000	1000	1000	19
67E	96"	4995.11	12/7/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.41
Field Dup	96"	4995.13	12/7/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.44
113F	32-42"	5058.03	1/3/00	ND	ND	ND	ND	ND	ND	6.7	ND	ND	0.55
113F	60-66"	5058.04	1/3/00	ND	ND	ND	ND	ND	ND	7.3	ND	ND	0.76
114F	30-36"	5058.05	1/3/00	ND	ND	ND	ND	ND	ND	7.6	ND	ND	0.86
114F	60-66"	5058.06	1/3/00	ND	ND	ND	ND	ND	ND	7.5	ND	ND	0.83
115F	36-42"	5058.07	1/3/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
115F	54-60"	5058.08	1/3/00	ND	ND	ND	ND	ND	ND	6.2	ND	ND	0.77
115F	60-66"	5058.09	1/3/00	ND	ND	ND	ND	ND	ND	7.2	ND	ND	0.84
116F	12-18"	5058.10	1/3/00	ND	ND	ND	ND	ND	ND	7.00	ND	ND	0.78
116F	60-66"	5058.11	1/3/00	ND	ND	ND	ND	ND	ND	5.00	ND	ND	0.52
117F	30-36"	5058.12	1/3/00	0.67	ND	ND	ND	ND	ND	4.9	ND	ND	0.59
117F	72-78"	5058.13	1/3/00	0.37 J	ND	ND	ND	ND	ND	4.5	ND	ND	0.68
118F	36-42"	5058.14	1/3/00	ND	ND	ND	ND	ND	ND	4.7	ND	ND	0.67
118F	60-66"	5058.15	1/3/00	ND	ND	ND	ND	ND	ND	4.5	ND	ND	0.74
113G	30-36"	5064.03	1/4/00	0.64	ND	ND	ND	ND	ND	1.7	ND	ND	1.4
113G	60-66"	5064.04	1/4/00	ND	ND	ND	ND	ND	ND	1.6	ND	2.3	1.5
113G	66-72"	5064.05	1/4/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6
114G	60-66"	5064.06	1/4/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0
115G	18-24'	5064.07	1/4/00	ND	ND	ND	ND	ND	ND	1.4	ND	ND	1.5
115G	72-78"	5064.08	1/4/00	ND	ND	ND	ND	ND	ND	1.6	ND	2.4	1.7
116G	72-78"	5064.09	1/4/00	ND	ND	ND	ND	ND	ND	1.5	ND	ND	1.5
117G	18-24"	5064.10	1/4/00	ND	ND	ND	ND	ND	ND	1.5	ND	ND	1.3
117G	72-78"	5064.11	1/4/00	ND	ND	ND	ND	ND	ND	1.6	ND	2.6	1.6
118G	30-36"	5064.18	1/4/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9
118G	42-48"	5064.19	1/4/00	ND	ND	ND	ND	ND	ND	1.5	ND	2.5	1.6
115H	36-42"	5072.03	1/5/00	ND	ND	ND	ND	ND	ND	1.4	ND	2.8	0.40
115H	60-66"	5072.04	1/5/00	ND	ND	ND	ND	ND	ND	2.2	ND	4.7	0.52
116H	36-42"	5072.05	1/5/00	ND	ND	ND	ND	ND	ND	1.4	ND	2.8	0.44
116H	54-60"	5072.06	1/5/00	ND	ND	ND	ND	ND	ND	1.7	ND	3.5	0.52
116H	72-78"	5072.07	1/5/00	ND	ND	ND	ND	ND	ND	1.7	ND	3.5	0.50
117H	24-30"	5072.08	1/5/00	ND	ND	ND	ND	ND	ND	1.5	ND	3.3	0.44
117H	54-60"	5072.09	1/5/00	ND	0.99	ND	ND	ND	ND	4.5	ND	10	1.3
117H	60-66"	5072.10	1/5/00	ND	ND	ND	ND	ND	ND	1.8	ND	3.3	ND
118H	18-24"	5072.11	1/5/00	ND	ND	ND	ND	ND	ND	1.8	ND	4.2	0.42
118H	36-42"	5072.12	1/5/00	ND	ND	ND	ND	ND	ND	2.4	ND	5.3	0.52
113H	48-54"	5072.13	1/5/00	ND	ND	ND	ND	ND	ND	2.0	ND	4.3	0.54

NOTES:

Only detected compounds are listed.

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

*NJDEP RDCSCC - NJDEP Residential Direct Contact Soil Cleanup Criteria

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

J: Compound Identified Below Detection Limit

ND: Not Detected

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

Table 3
Results of Geoprobe Soil Investigation - VOC
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	MeCl	Carbon Dl	Chloro-benzene	Benzene	Ethyl-benzene	Total Xylenes	2-Butanone	Toluene	Acetone	Chloroform
NJDEP RDCSCC*				49	NLE	37	3	1000	410	1000	1000	1000	19
113H	54-60"	5072.14	1/5/00	ND	ND	0.84	ND	ND	ND	2.7	ND	5.6	0.93
114H	24-30"	5072.15	1/5/00	ND	ND	ND	ND	ND	ND	ND	ND	3.5	0.56
114H	54-60'	5072.16	1/5/00	ND	ND	ND	ND	ND	ND	1.7	ND	3.6	0.59
114H	60-66"	5072.17	1/5/00	ND	ND	ND	ND	ND	ND	1.5	ND	ND	0.33
118I	54-60"	5075.03	1/6/00	ND	ND	ND	ND	ND	ND	1.4	ND	2.7	0.55
116I	54-60"	5075.04	1/6/00	ND	ND	ND	ND	ND	ND	4.6	ND	9.5	0.98
113I	54-60"	5075.05	1/6/00	ND	ND	ND	ND	ND	ND	1.7	ND	ND	0.81
114I	54-60"	5075.06	1/6/00	ND	ND	ND	ND	ND	ND	1.5	ND	ND	0.63
115I	54-60"	5075.07	1/6/00	ND	ND	ND	ND	ND	ND	ND	ND	5.1	0.68
117I	54-60"	5075.08	1/6/00	ND	ND	ND	ND	ND	ND	1.3	ND	ND	0.62
67F	24-30"	5085.02	1/10/00	ND	ND	ND	ND	ND	ND	1.2	ND	2.4	0.49
67F	48-54"	5085.03	1/10/00	ND	ND	ND	ND	ND	ND	0.99	ND	1.7	0.48
65F	48-54"	5085.04	1/10/00	ND	ND	5.1	ND	ND	ND	1.6 J	ND	2.8	0.86
64F	48-54"	5085.05	1/10/00	ND	ND	ND	ND	ND	ND	0.97	ND	1.8	0.44
66F	48-54"	5085.06	1/10/00	ND	ND	6.0	ND	ND	ND	1.0	ND	2.0	0.51
68F	78-84"	5091.03	1/11/00	3.0	ND	5.0	ND	ND	ND	2.4	ND	5.3	1.2
69F	78-84"	5091.04	1/11/00	1.1	ND	ND	ND	ND	ND	1.2	ND	3.0	0.53
64G	84-90"	5091.05	1/11/00	0.94	ND	ND	ND	ND	ND	1.1	ND	2.3	0.49
65G	84-90"	5091.06	1/11/00	0.81	ND	ND	ND	ND	ND	1.8	ND	3.9	0.55
66G	80-86"	5091.07	1/11/00	0.84	ND	ND	ND	ND	ND	0.88 J	ND	1.7	0.5
67G	78-84"	5091.08	1/11/00	0.96	ND	ND	ND	ND	ND	ND	ND	2.0	0.51
69G	60-66"	5096.03	1/12/00	ND	ND	ND	ND	ND	0.35 J	ND	ND	ND	0.87
68G	60-66"	5096.04	1/12/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.86
64H	60-66"	5096.05	1/12/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5
65H	60-66"	5096.06	1/12/00	ND	ND	ND	ND	ND	ND	ND	ND	4.1	1.0
66H	60-66"	5096.07	1/12/00	ND	ND	ND	ND	ND	ND	ND	ND	3.2	0.85
67H	60-66"	5096.08	1/12/00	ND	ND	ND	ND	ND	ND	ND	ND	4.9	1.4
H68	18-24"	5102.03	1/13/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H68	60-66"	5102.04	1/13/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H69	60-66"	5102.05	1/13/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

Only detected compounds are listed.

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

*NJDEP RDCSCC - NJDEP Residential Direct Contact Soil Cleanup Criteria

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

J: Compound Identified Below Detection Limit

ND: Not Detected

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

Table 4
Results of Geoprobe Groundwater Investigation - VOC
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	MeCl	Carbon DiSulfide	Chloro-benzene	Benzene	Ethyl-benzene	Total Xylenes	Toluene	Acetone	Chloroform	1,4-DCB	1,2-DCB	1,3-DCB	PCE	TCE	Vinyl Chloride	trans-1,2-DCE	cis-1,2-DCE	2-Butanone	tert-Butyl alcohol	Methyl-tert-Butyl ether
Regulatory Level (ug/L)				2	NLE	4	1	700	40	1000	700	6	75	600	600	1	1	5	100	10	1000	NLE	NLE
31	7-10'	4328.04	3/8/99	ND	ND	1.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
32	7-10'	4328.06	3/8/99	ND	ND	24.37	4.68	ND	ND	ND	ND	ND	4.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
33	7-10'	4328.08	3/8/99	ND	ND	14.80	4.65	ND	ND	ND	ND	ND	2.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
34	7-10'	4332.04	3/9/99	ND	ND	68.09	4.97	ND	ND	ND	ND	ND	10.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
35	7-10'	4332.06	3/9/99	ND	ND	45.46	5.43	ND	ND	ND	ND	ND	7.70	ND	2.81	ND	ND	ND	ND	ND	ND	ND	ND
36	7-10'	4332.08	3/9/99	ND	ND	32.66	1.76	ND	ND	ND	ND	ND	9.57	ND	2.61	ND	ND	ND	ND	ND	ND	ND	ND
37	7-10'	4332.10	3/9/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
38	7-10'	4334.04	3/10/99	ND	ND	17.70	4.64	1.12	7.82	ND	ND	ND	4.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
39	7-10'	4334.06	3/10/99	ND	ND	9.16	1.63	ND	ND	ND	ND	ND	2.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
40	7-10'	4334.08	3/10/99	ND	ND	20.75	3.60	ND	ND	ND	ND	ND	4.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
41	7-10'	4334.10	3/10/99	ND	ND	23.57	2.43	ND	ND	ND	ND	ND	7.52	ND	1.70	ND	ND	ND	ND	ND	ND	ND	ND
42	7-10'	4334.12	3/10/99	ND	ND	14.84	2.47	ND	ND	ND	ND	ND	5.78	ND	1.21	ND	ND	ND	ND	ND	ND	ND	ND
43	7-10'	4339.04	3/11/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
44	7-10'	4339.06	3/11/99	ND	ND	55.53	3.21	ND	ND	ND	ND	ND	5.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
45	7-10'	4350.04	3/16/99	ND	ND	17.42	3.03	ND	ND	ND	ND	ND	2.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
46	6.5-9.5'	4350.06	3/16/99	ND	ND	3.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
47	6.5-9.5'	4350.08	3/16/99	ND	ND	7.62	2.72	ND	ND	ND	ND	ND	3.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
48	6.5-9.5'	4350.10	3/16/99	ND	ND	5.66	1.30	ND	ND	ND	ND	ND	5.16	ND	ND	6.51	16.71	16.75	2.62	72.00	ND	ND	ND
49	6.5-9.5'	4355.04	3/17/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
50	6.5-9.5'	4355.06	3/17/99	ND	ND	6.64	ND	ND	ND	1.06	ND	ND	3.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
51	6.5-9.5'	4355.08	3/17/99	ND	ND	15.08	2.24	ND	ND	ND	ND	ND	5.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
52	6.5-9.5'	4355.10	3/17/99	ND	ND	11.64	1.26	ND	ND	ND	ND	ND	3.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
53	6.5-9.5'	4355.12	3/17/99	ND	ND	1.53	ND	ND	ND	ND	ND	ND	1.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
54	6.5-9.5'	4355.14	3/17/99	ND	ND	2.57	ND	ND	ND	ND	ND	ND	3.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
55	6.5-9.5'	4355.16	3/17/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Dup	6.5-9.5'	4355.18	3/17/99	ND	ND	11.68	1.32	ND	ND	ND	ND	ND	4.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
56	6.5-9.5'	4358.04	3/18/99	ND	ND	22.41	2.87	ND	ND	ND	ND	ND	4.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
57	6.5-9.5'	4358.06	3/18/99	ND	ND	23.95	1.68	ND	ND	ND	ND	ND	2.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
58	6.5-9.5'	4358.08	3/18/99	ND	ND	33.98	1.60	ND	ND	ND	ND	ND	3.24	ND	2.09	ND	ND	ND	ND	ND	ND	ND	ND
59	6.5-9.5'	4358.10	3/18/99	ND	ND	22.39	ND	ND	ND	ND	ND	ND	7.66	ND	1.91	ND	ND	ND	ND	ND	ND	ND	ND
59A	6.5-9.5'	4368.04	3/23/99	ND	ND	17.00	0.55	ND	ND	ND	ND	ND	5.42	ND	1.49	ND	ND	ND	ND	ND	ND	ND	ND
60	6.5-9.5'	4368.06	3/23/99	ND	ND	32.32	4.14	ND	ND	ND	ND	ND	4.73	1.10	1.38	ND	ND	ND	ND	ND	ND	ND	ND
61	6.5-9.5'	4368.08	3/23/99	ND	ND	23.13	4.01	ND	ND	ND	ND	ND	4.15	0.93	0.84	ND	ND	ND	ND	ND	ND	ND	ND
62	6.5-9.5'	4368.10	3/23/99	ND	ND	28.77	2.02	ND	ND	ND	ND	ND	2.96	ND	1.12	ND	ND	ND	ND	ND	ND	ND	ND
63	6.5-9.5'	4368.12	3/23/99	ND	ND	27.77	1.77	ND	ND	ND	ND	ND	3.00	ND	1.28	ND	ND	ND	ND	ND	ND	ND	ND
64	6.5-9.5'	4368.14	3/23/99	ND	ND	10.53	ND	ND	ND	ND	ND	ND	1.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
65	6.5-9.5'	4368.16	3/23/99	ND	ND	6.12	ND	ND	ND	ND	ND	ND	1.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES

Only detected compounds are listed.

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

* Regulatory level shown is higher of PQL and Ground Water Quality Criteria as per NJAC 7;9-6

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

D = Results are from a Dilution of the Sample

J = compound Identified Below Detection Limit

ND: Not Detected

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

PQL: Practical Quantitation Limit

Table 4
Results of Geoprobe Groundwater Investigation - VOC
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	MeCl	Carbon DiSulfide	Chloro-benzene	Benzene	Ethyl-benzene	Total Xylenes	Toluene	Acetone	Chloroform	1,4-DCB	1,2-DCB	1,3-DCB	PCE	TCE	Vinyl Chloride	trans-1,2-DCE	cis-1,2-DCE	2-Butanone	tert-Butyl alcohol	Methyl-tert-Butyl ether
Regulatory Level (ug/L)*				2	NLE	4	1	700	40	1000	700	6	75	600	600	1	1	5	100	10	1000	NLE	NLE
66	7-10'	4381.04	3/30/99	ND	ND	2.58	**3.51**	3.15	6.29	1.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67	7-10'	4381.06	3/30/99	ND	ND	**26.99**	**2.91**	ND	ND	ND	ND	ND	6.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
68	7-10'	4381.08	3/30/99	ND	ND	**5.13**	ND	ND	ND	ND	ND	ND	2.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
69	4-7'	4381.10	3/30/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
70	7-10'	4381.12	3/30/99	ND	ND	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
71	6.5-9.5'	4396.04	4/6/99	ND	ND	**12.20**	**1.75**	ND	ND	ND	ND	ND	1.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72	6-9'	4396.06	4/6/99	ND	ND	**20.04**	**3.86**	ND	ND	ND	ND	ND	2.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
73	6-9'	4696.08	4/6/99	ND	ND	**19.28**	**3.70**	ND	1.68	5.65	ND	ND	3.03	ND	1.02	ND	ND	ND	ND	ND	ND	ND	ND
74	6.5-9.5'	4407.04	4/9/99	ND	ND	**11.03**	**2.34**	ND	ND	ND	ND	ND	3.13	ND	3.20	ND	ND	ND	ND	ND	ND	ND	ND
75	6.5-9.5'	4407.06	4/9/99	ND	ND	**12.96**	**2.39**	ND	ND	ND	ND	ND	3.48	1.12	1.09	ND	ND	ND	ND	ND	ND	ND	ND
76	4-7'	4407.08	4/9/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Dup	4-7'	4407.10	4/9/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
77	7-10'	4414.04	4/13/99	ND	ND	**6.76**	ND	ND	ND	ND	ND	ND	2.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
78	7-10'	4414.06	4/13/99	ND	1.25	**5.44**	ND	ND	ND	ND	ND	ND	1.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
79	5-8'	4414.08	4/13/99	ND	ND	**7.09**	**2.41**	ND	ND	ND	ND	ND	1.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
80	5-8'	4414.10	4/13/99	ND	ND	1.21	ND	ND	ND	ND	24.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
81	6-9'	4417.04	4/14/99	ND	ND	1.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
82	4-7'	4417.06	4/14/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
83	8-11'	4417.08	4/14/99	ND	ND	**5.49**	ND	ND	ND	ND	ND	ND	1.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84	8-11'	4417.10	4/14/99	ND	ND	2.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
85	8-11'	4417.12	4/14/99	ND	ND	**4.90**	ND	ND	ND	ND	ND	ND	1.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
86	8-11'	4417.14	4/14/99	ND	ND	**4.74**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
87	5.5-8.5'	4422.04	4/16/99	ND	ND	1.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
88	4-7'	4422.06	4/16/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
89	6.5-9.5'	4422.08	4/16/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
90	6.5-9.5'	4422.10	4/16/99	ND	ND	**9.05**	**1.62**	ND	ND	ND	ND	ND	2.24	ND	2.29	ND	ND	ND	ND	ND	ND	ND	ND
91	6.5-9.5'	4422.12	4/16/99	ND	ND	**9.24**	**1.92**	ND	ND	ND	ND	ND	3.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
92	8-11'	4433.04	4/21/99	ND	ND	2.10	ND	ND	ND	ND	ND	ND	2.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
93	6.5-9.5'	4433.06	4/21/99	ND	ND	**4.88**	ND	ND	ND	ND	ND	ND	3.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
94	6.5-9.5'	4433.08	4/21/99	ND	ND	**4.42**	ND	ND	ND	ND	ND	ND	3.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95	8-11'	4433.10	4/21/99	ND	2.05	**23.11**	**4.08**	ND	ND	ND	ND	ND	3.13	1.47	1.27	ND	ND	ND	ND	ND	ND	ND	ND
96	8-11'	4433.12	4/21/99	ND	ND	**6.38**	**1.54**	ND	ND	ND	ND	ND	1.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
97	7-10'	4442.04	4/26/99	ND	ND	2.58	**1.69**	ND	ND	ND	7.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
98	7-10'	4442.06	4/26/99	ND	ND	2.71	**2.02**	ND	ND	ND	9.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
99	6-9'	4442.08	4/26/99	ND	ND	ND	ND	ND	ND	ND	10.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100	5.5-8.5'	4442.10	4/26/99	ND	ND	ND	ND	ND	ND	ND	11.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
101	9.5-12.5'	4442.12	4/26/99	ND	ND	**14.46**	**1.20**	ND	ND	ND	12.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES

Only detected compounds are listed.

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

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

D = Results are from a Dilution of the Sample

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

PQL: Practical Quantitation Limit

Table 4
Results of Geoprobe Groundwater Investigation - VOC
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	MeCl	Carbon DiSulfide	Chloro-benzene	Benzene	Ethyl-benzene	Total Xylenes	Toluene	Acetone	Chloroform	1,4-DCB	1,2-DCB	1,3-DCB	PCE	TCE	Vinyl Chloride	trans-1,2-DCE	cis-1,2-DCE	2-Butanone	tert-Butyl alcohol	Methyl-tert-Butyl ether
Regulatory Level (ug/L)*				2	NLE	4	1	700	40	1000	700	6	75	600	600	1	1	5	100	10	1000	NLE	NLE
102	8-11'	4445.04	4/27/99	ND	ND	19.39	4.41	ND	ND	1.68	ND	ND	3.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
103	8-11'	4445.06	4/27/99	ND	ND	15.43	2.62	ND	ND	1.15	4.82	ND	4.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104	8.5-11.5'	4445.08	4/27/99	ND	1.72	14.78	3.88	ND	ND	ND	8.05	ND	9.00	1.63	1.17	ND	ND	ND	ND	ND	2.46	ND	ND
105	5.5-8.5'	4445.10	4/27/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106	6.5-9.5'	4445.12	4/27/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
107	9.5-12.5'	4445.144	4/27/99	ND	ND	25.71	ND	ND	ND	ND	ND	ND	4.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Dup	8-11'	4445.16	4/27/99	ND	ND	16.83	3.01	ND	ND	1.35	4.74	ND	3.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108	5.5-8.5'	4461.04	5/4/99	ND	ND	42.54	1.43	ND	ND	ND	9.08	ND	3.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
109	5.5-8.5'	4461.06	5/4/99	ND	ND	45.15	1.37	ND	ND	ND	7.72	ND	7.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
110	5.5-8.5'	4461.08	5/4/99	ND	ND	57.37	1.66	ND	ND	ND	2.39	ND	8.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
111	4.5-7.5'	4461.10	5/4/99	ND	ND	ND	1.12	ND	ND	ND	3.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
112	4.5-7.5'	4461.12	5/4/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
113	5.5-8.5'	4465.04	5/6/99	ND	ND	10.02	ND	ND	ND	ND	ND	ND	2.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
114	5.5-8.5'	4465.06	5/6/99	ND	ND	8.83	ND	ND	ND	ND	ND	ND	1.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
115	5.5-8.5'	4465.08	5/6/99	ND	ND	8.41	ND	ND	ND	ND	ND	ND	2.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
116	5.5-8.5'	4465.10	5/6/99	ND	ND	ND	ND	ND	ND	ND	4.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117	5-8'	4465.12	5/6/99	ND	ND	2.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
118	5-8'	4465.14	5/6/99	ND	ND	ND	ND	ND	ND	ND	2.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Dup	5.5-8.5'	4465.16	5/6/99	ND	ND	9.66	ND	ND	ND	ND	ND	ND	2.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
64A	8-11'	4912.04	11/3/99	ND	ND	11.62	ND	ND	ND	ND	12.02	ND	1.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
65A	8-11'	4912.06	11/3/99	ND	ND	7.57	1.17	ND	ND	ND	ND	ND	2.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
66A	8-11'	4912.08	11/3/99	ND	ND	11.94	2.15	1.42	2.49	1.62	53.79	ND	1.90	ND	ND	ND	ND	ND	ND	ND	186.75 D	ND	ND
67A	8-11'	4912.10	11/3/99	ND	ND	16.36	2.75	ND	3.93	1.31	ND	ND	3.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
68A	8-11'	4912.12	11/3/99	ND	ND	20.47	ND	ND	ND	ND	ND	ND	2.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
69A	8-11'	4912.14	11/3/99	ND	ND	4.52	ND	ND	1.39	ND	ND	ND	2.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
64B	8-11'	4915.04	11/4/99	ND	ND	42.09	1.12	ND	ND	ND	ND	ND	3.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
65B	8-11'	4915.06	11/4/99	ND	ND	46.35	1.25	ND	ND	ND	ND	ND	3.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
66B	8-11'	4915.08	11/4/99	ND	ND	21.25	3.82	ND	ND	ND	ND	ND	4.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67B	8-11'	4915.10	11/4/99	ND	1.10	13.46	4.05	ND	ND	ND	ND	ND	3.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
68B	8-11'	4915.12	11/4/99	ND	ND	8.92	2.17	ND	ND	ND	ND	ND	2.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
69B	8-11'	4915.14	11/4/99	ND	1.71	24.21	3.84	ND	ND	ND	ND	ND	4.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
113A	8-11'	4931.04	11/8/99	ND	ND	32.01	ND	ND	ND	ND	ND	ND	10.36	2.27	1.88	ND	ND	ND	ND	ND	ND	ND	ND
114A	8-11'	4931.06	11/8/99	ND	ND	15.37	1.88	ND	ND	ND	10.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
115A	8-11'	4931.08	11/8/99	ND	ND	14.12	3.86	ND	ND	ND	ND	ND	1.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
116A	8-11'	4931.10	11/8/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117A	8-11'	4933.04	11/10/99	ND	ND	20.31	4.73	ND	ND	ND	ND	ND	2.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
114B	8-11'	4933.06	11/10/99	ND	ND	65.75	14.97	ND	ND	ND	ND	ND	3.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES

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PQL: Practical Quantitation Limit

Table 4
Results of Geoprobe Groundwater Investigation - VOC
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	MeCl	Carbon DiSulfide	Chloro-benzene	Benzene	Ethyl-benzene	Total Xylenes	Toluene	Acetone	Chloroform	1,4-DCB	1,2-DCB	1,3-DCB	PCE	TCE	Vinyl Chloride	trans-1,2-DCE	cis-1,2-DCE	2-Butanone	tert-Butyl alcohol	Methyl-tert-Butyl ether
Regulatory Level (ug/L)*				2	NLE	4	1	700	40	1000	700	6	75	600	600	1	1	5	100	10	1000	NLE	NLE
Field Dup	8-11'	4933.16	11/10/99	ND	ND	**61.73**	**12.70**	ND	ND	ND	10.89	**26.80**	2.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
115B	8-11'	4933.08	11/10/99	ND	ND	**70.53**	**13.32**	ND	ND	ND	ND	**26.06**	4.02	ND	1.20	ND	ND	ND	ND	ND	ND	ND	ND
116B	8-11'	4933.10	11/10/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117B	8-11'	4933.12	11/10/99	ND	ND	**9.90**	**5.18**	ND	ND	ND	ND	ND	1.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
118B	8-11'	4933.14	11/10/99	ND	ND	3.84	**1.67**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
114C	8-11'	4968.04	11/30/99	ND	ND	**80.15**	**9.47**	ND	3.48	2.29	ND	ND	11.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
115C	8-11'	4968.06	11/30/99	ND	ND	**40.81**	**8.84**	ND	ND	ND	ND	ND	2.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
116C	8-11'	4968.08	11/30/99	ND	ND	**48.22**	**4.68**	ND	ND	ND	8.40	ND	2.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117C	8-11'	4968.10	11/30/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
118C	8-11'	4968.12	11/30/99	ND	ND	**13.57**	**4.03**	ND	ND	ND	18.59	ND	3.45	ND	ND	ND	ND	ND	ND	ND	6.40	ND	ND
119C	8-11'	4968.14	11/30/99	ND	ND	**8.58**	**2.59**	ND	ND	ND	8.83	ND	2.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
113D	8-11'	4971.04	12/1/99	ND	ND	**19.33**	**2.63**	ND	ND	ND	ND	ND	1.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
114D	8-11'	4971.06	12/1/99	ND	ND	**15.18**	**4.02**	ND	ND	1.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
115D	8-11'	4971.08	12/1/99	ND	1.13	**17.44**	**3.87**	ND	ND	ND	ND	ND	1.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
116D	8-11'	4971.10	12/1/99	ND	ND	**12.99**	**2.46**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117D	8-11'	4971.12	12/1/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
118D	8-11'	4972.04	12/2/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
113E	8-11'	4972.06	12/2/99	ND	ND	**23.96**	ND	ND	ND	ND	ND	ND	6.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
114E	8-11'	4972.08	12/2/99	ND	ND	**13.98**	ND	ND	ND	ND	ND	ND	3.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
115E	8-11'	4972.10	12/2/99	ND	1.60	**6.69**	**2.13**	ND	ND	ND	ND	ND	1.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
116E	8-11'	4972.12	12/2/99	ND	ND	**12.85**	**4.60**	ND	ND	ND	ND	ND	2.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Dup	8-11'	4972.14	12/2/99	ND	ND	**9.47**	ND	ND	ND	ND	ND	ND	3.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117E	8-11'	4979.04	12/3/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
118E	8-11'	4979.06	12/3/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
64C	8.5-11.5'	4979.08	12/3/99	ND	ND	ND	ND	ND	ND	ND	3.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
65C	8.5-11.5'	4979.10	12/3/99	ND	ND	ND	ND	ND	ND	ND	ND	1.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
66C	8.5-11.5'	4979.12	12/3/99	ND	ND	ND	ND	ND	ND	ND	ND	1.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67C	8.5-11.5'	4979.14	12/3/99	ND	ND	**5.85**	**1.12**	ND	ND	ND	ND	ND	1.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
68C	8.5-11.5'	4979.16	12/3/99	ND	ND	2.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
64D	8.5-13.5'	4990.04	12/6/99	ND	ND	ND	ND	ND	ND	ND	3.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
65D	8.5-13.5'	4990.06	12/6/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
66D	8.5-13.5'	4990.08	12/6/99	ND	ND	**14.00**	**1.88**	ND	ND	ND	ND	ND	2.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67D	8.5-13.5'	4990.10	12/6/99	ND	ND	**28.94**	**3.83**	ND	ND	ND	ND	ND	4.87	1.80	1.22	ND	ND	ND	ND	ND	ND	ND	ND
68D	8.5-13.5'	4995.04	12/7/99	ND	ND	**22.58**	**3.58**	ND	ND	ND	11.21	ND	5.12	1.40	1.13	ND	ND	ND	ND	ND	ND	ND	ND
64E	8.5-13.5'	4995.06	12/7/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
65E	8.5-13.5'	4995.08	12/7/99	ND	ND	**1.75**	ND	ND	ND	ND	ND	ND	1.07	ND	ND	ND	ND	ND	ND	ND	ND	53.08	ND
66E	8.5-13.5'	4995.10	12/7/99	ND	ND	**12.33**	ND	ND	ND	ND	ND	ND	1.76	ND	ND	ND	ND	ND	ND	ND	ND	91.11	ND

NOTES

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M-2 Landfill
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Boring	Depth	Lab I.D.	Sample Date	MeCl	Carbon DiSulfide	Chloro-benzene	Benzene	Ethyl-benzene	Total Xylenes	Toluene	Acetone	Chloroform	1,4-DCB	1,2-DCB	1,3-DCB	PCE	TCE	Vinyl Chloride	trans-1,2-DCE	cis-1,2-DCE	2-Butanone	tert-Butyl alcohol	Methyl-tert-Butyl ether
Regulatory Level (ug/L)*				2	NLE	4	1	700	40	1000	700	6	75	600	600	1	1	5	100	10	1000	NLE	NLE
67E	8.5-13.5'	4995.12	12/7/99	ND	ND	5.92	ND	ND	1.99	ND	ND	ND	1.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Dup	8.5-13.5'	4995.14	12/7/99	ND	ND	13.87	ND	ND	ND	ND	ND	ND	1.97	ND	ND	ND	ND	ND	ND	ND	ND	88.24	ND
113F	7-12'	5058.16	1/3/00	ND	3.35	99.56	4.47	ND	ND	ND	ND	ND	5.14	ND	2.26	ND	ND	ND	ND	ND	ND	ND	ND
114F	7-12'	5058.17	1/3/00	ND	20.61	16.74	3.11	ND	ND	ND	ND	ND	2.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
115F	7-12'	5058.18	1/3/00	ND	4.64	15.70	4.37	ND	ND	ND	5.06	ND	2.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
116F	7-12'	5058.19	1/3/00	ND	ND	2.86	2.24	ND	ND	ND	7.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117F	7-12'	5058.20	1/3/00	ND	2.39	1.66	ND	ND	ND	ND	6.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
118F	7-12'	5058.21	1/3/00	ND	2.75	ND	ND	ND	ND	ND	8.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
113G	7-12'	5064.12	1/4/00	ND	ND	ND	1.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
114G	7-12'	5064.13	1/4/00	ND	17.05	17.61	1.99	ND	ND	ND	ND	ND	6.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
115G	7-12'	5064.14	1/4/00	ND	ND	8.87	2.17	ND	ND	ND	ND	ND	5.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.31
116G	7-12'	5064.15	1/4/00	ND	1.69	23.75	8.22	ND	ND	ND	5.96	ND	11.01	ND	ND	ND	ND	ND	ND	ND	6.35	ND	ND
117G	7-12'	5064.16	1/4/00	ND	15.71	9.14	0.65	ND	ND	ND	ND	ND	5.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.04
118G	7-12'	5064.17	1/4/00	ND	10.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
113H	7-12'	5072.18	1/5/00	ND	3.70	6.14	2.35	ND	ND	ND	ND	ND	3.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
114H	7-12'	5072.19	1/5/00	ND	1.69	27.05	4.14	ND	1.94	ND	4.02	ND	4.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
115H	7-12'	5072.20	1/5/00	ND	ND	4.90	1.10	ND	ND	ND	ND	ND	6.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
116H	7-12'	5072.21	1/5/00	ND	1.66	34.42	1.99	ND	ND	ND	ND	ND	17.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117H	7-12'	5072.22	1/5/00	ND	3.76	1.22	ND	ND	ND	ND	ND	ND	2.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
118H	7-12'	5072.23	1/5/00	ND	ND	ND	ND	ND	ND	ND	2.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
113I	7-12'	5075.14	1/6/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
114I	7-12'	5075.10	1/6/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
115I	7-12'	5075.11	1/6/00	ND	1.86	ND	ND	ND	ND	ND	ND	ND	1.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
116I	7-12'	5075.12	1/6/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117I	7-12'	5075.13	1/6/00	ND	ND	ND	ND	ND	ND	ND	19.22	ND	1.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
118I	7-12'	5075.09	1/6/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
64F	7-12'	5091.09	1/11/00	ND	ND	159.22 D	2.25	ND	ND	ND	ND	ND	8.34	1.90	2.23	ND	ND	ND	ND	ND	ND	ND	ND
65F	7-12'	5091.10	1/11/00	ND	ND	181.39 D	6.32	ND	ND	ND	ND	ND	9.32	2.05	4.76	ND	ND	ND	ND	ND	ND	ND	ND
66F	7-12'	5091.11	1/11/00	ND	1.15	69.69	3.45	ND	ND	ND	ND	ND	10.63	2.51	3.15	ND	ND	ND	ND	ND	ND	ND	ND
67F	7-12'	5091.12	1/11/00	ND	1.34	92.13	4.16	ND	ND	ND	2.23	ND	11.15	1.43	2.98	ND	ND	ND	ND	ND	ND	ND	ND
68F	7-12'	5091.13	1/11/00	ND	1.91	55.12	2.80	ND	ND	ND	ND	ND	14.12	0.98	4.87	ND	ND	ND	ND	ND	ND	ND	ND
69F	7-12'	5091.14	1/11/00	ND	1.39	59.31	2.65	ND	ND	ND	ND	ND	12.82	1.45	4.18	ND	ND	ND	ND	ND	ND	ND	ND
64G	7-12'	5091.15	1/11/00	ND	1.47	9.32	ND	ND	ND	ND	4.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
65G	7-12'	5091.16	1/11/00	ND	1.44	6.72	ND	ND	ND	ND	ND	ND	3.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67G	7-12'	5091.17	1/11/00	ND	ND	6.93	ND	ND	ND	ND	ND	ND	3.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
66G	7-12'	5091.18	1/11/00	ND	1.17	7.45	ND	ND	ND	ND	ND	ND	3.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
68G	7-12'	5096.09	1/12/00	ND	ND	3.43	1.29	ND	ND	ND	ND	ND	7.92	1.29	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES

Only detected compounds are listed.

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

* Regulatory level shown is higher of PQL and Ground Water Quality Criteria as per NJAC 7;9-6

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

D = Results are from a Dilution of the Sample

J = compound Identified Below Detection Limit

ND: Not Detected

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

PQL: Practical Quantitation Limit

Table 4
Results of Geoprobe Groundwater Investigation - VOC
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	MeCl	Carbon DiSulfide	Chloro-benzene	Benzene	Ethyl-benzene	Total Xylenes	Toluene	Acetone	Chloroform	1,4-DCB	1,2-DCB	1,3-DCB	PCE	TCE	Vinyl Chloride	trans-1,2-DCE	cis-1,2-DCE	2-Butanone	tert-Butyl alcohol	Methyl-tert-Butyl ether
Regulatory Level (ug/L)*				2	NLE	4	1	700	40	1000	700	6	75	600	600	1	1	5	100	10	1000	NLE	NLE
69G	7-12'	5096.10	1/12/00	ND	1.73	26.77	ND	ND	ND	ND	ND	ND	3.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
64H	7-12'	5096.11	1/12/00	ND	ND	3.87	ND	ND	3.27	ND	ND	ND	2.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
65H	7-12'	5096.12	1/12/00	ND	ND	3.24	ND	ND	ND	ND	ND	ND	1.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
66H	7-12'	5096.13	1/12/00	ND	ND	ND	ND	ND	ND	ND	9.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.49	ND	ND
67H	7-12'	5096.14	1/12/00	ND	18.11	2.64	ND	ND	ND	ND	1.95	ND	2.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
68H	7-12'	5102.06	1/13/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
69H	7-12'	5102.07	1/13/00	ND	1.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4328.02	3/8/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4332.02	3/9/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4334.02	3/10/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4339.02	3/11/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4350.02	3/16/99	3.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4355.02	3/17/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4358.02	3/18/99	4.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4368.02	3/23/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4381.02	3/30/99	3.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4396.02	4/6/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4407.02	4/9/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4414.02	4/13/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4417.02	4/14/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4422.02	4/16/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4433.02	4/21/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4442.02	4/26/99	ND	ND	ND	ND	ND	ND	ND	11.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4445.02	4/27/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4461.02	5/4/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4465.02	5/6/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4912.02	11/3/99	5.00	ND	ND	ND	ND	ND	ND	13.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4915.02	11/4/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4931.02	11/8/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4933.02	11/10/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4968.02	11/30/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4971.02	12/1/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4972.02	12/2/99	3.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4979.02	12/3/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4990.02	12/6/99	ND	ND	ND	ND	ND	ND	ND	ND	1.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	4995.02	12/7/99	ND	ND	ND	ND	ND	ND	ND	ND	1.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	5058.02	1/3/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES

Only detected compounds are listed.

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

* Regulatory level shown is higher of PQL and Ground Water Quality Criteria as per NJAC 7;9-6

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

D = Results are from a Dilution of the Sample

J = compound Identified Below Detection Limit

ND: Not Detected

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

PQL: Practical Quantitation Limit

Table 4
Results of Geoprobe Groundwater Investigation - VOC
M-2 Landfill
Ft. Monmouth, New Jersey

Boring	Depth	Lab I.D.	Sample Date	MeCl	Carbon DiSulfide	Chloro-benzene	Benzene	Ethyl-benzene	Total Xylenes	Toluene	Acetone	Chloroform	1,4-DCB	1,2-DCB	1,3-DCB	PCE	TCE	Vinyl Chloride	trans-1,2-DCE	cis-1,2-DCE	2-Butanone	tert-Butyl alcohol	Methyl-tert-Butyl ether
Regulatory Level (ug/L)*				2	NLE	4	1	700	40	1000	700	6	75	600	600	1	1	5	100	10	7000	NLE	NLE
Field Blan	-	5064.02	1/4/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	5072.02	1/5/00	2.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	5075.02	1/6/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	5091.02	1/11/00	ND	ND	ND	ND	ND	ND	ND	ND	4.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	5096.02	1/12/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blan	-	5102.02	1/13/00	ND	ND	ND	ND	ND	ND	ND	ND	3.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES

Only detected compounds are listed.

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

* Regulatory level shown is higher of PQL and Ground Water Quality Criteria as per NJAC 7;9-6

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

D = Results are from a Dilution of the Sample

J = compound Identified Below Detection Limit

ND: Not Detected

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

PQL: Practical Quantitation Limit

Table 5
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW01, Landfill M-2
May 1997 - March 2000

Lab Sample ID	2502.05	2880.03	3094.05	3336.03	3504.03	3744.03	4036.01	4241.03	4551.03	4628.03	4844.04	5227.04	NJDEP GWQC (ug/L)
Sample Date	5/2/97	8/6/97	10/23/97	2/11/98	4/23/98	7/22/98	11/6/98	2/3/99	6/15/99	7/20/99	10/7/99	3/7/00	
Volatiles													
Acetone	ND	ND	ND	ND	ND	7.27	ND	ND	ND	ND	ND	ND	700
Methyl-tert-Butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.02	ND	ND	NLE
Semi-Volatiles													
2-Methylnaphthalene	3.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NLE
4-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.18	ND	NLE
bis(2-Ethylhexyl)phthalate	1.39	ND	ND	1.89	ND	1.25	ND	ND	ND	ND	ND	ND	30
Butylbenzylphthalate	2.03	ND	ND	19.71	ND	ND	ND	ND	ND	ND	ND	ND	100
Diethylphthalate	ND	ND	ND	ND	ND	1.42	ND	ND	ND	ND	ND	ND	5000
Di-n-butylphthalate	121.97	ND	6.45	29.15	ND	ND	ND	ND	ND	ND	ND	ND	900
Naphthalene	8.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NLE
Pesticides/PCBs)													
4,4'-DDE	ND	ND	ND	ND	ND	0.003	ND	ND	ND	ND	ND	ND	0.10
4,4'-DDT	ND	ND	ND	ND	ND	0.002	ND	ND	ND	ND	ND	ND	0.10
Metals													
Aluminum	**362.4**	**236.3**	**344.0**	**578**	**239**	**2480**	**402**	ND	**561**	**762**	**393**	**840**	200
Arsenic	2.0	1	ND	ND	ND	4.88	ND	ND	ND	ND	ND	ND	8
Barium	77.3	ND	63.8	53.3	57.2	83.1	67.6	76.6	45.5	56.6	50.4	70.6	2000
Beryllium	0.18	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20
Cadmium	ND	ND	1.6	3.5	2.5	2.5	**6.23**	3.27	1.56	1.94	1.53	3.31	4
Calcium	13050.0	10480	12680.0	15460	10090	12600	12200	18100	13400	12900	11400	21400	NLE
Chromium	0.6	26	2.5	1.7	ND	7.10	1.40	4.76	2.34	4.90	3.24	3.53	100
Cobalt	ND	ND	5.4	4.9	2.1	3.81	5.25	5.42	5.06	5.03	5.26	6.48	NLE
Copper	21.0	ND	13.0	11	ND	ND	ND	ND	ND	10.2	8.99	ND	1000
Iron	100.0	**400**	**488.0**	**500**	233	**7790**	**1480**	**1390**	**698**	**2420**	**3170**	**1160**	300
Lead	ND	ND	**11.0**	ND	ND	ND	6.95	ND	ND	ND	4.10	ND	10
Magnesium	4270.0	128	4670.0	3710	1739	4100	4330	4510	4230	3780	3890	6560	NLE
Manganese	**154.0**	**4940**	**77.7**	**120**	**73.1**	**83.6**	**84.1**	**133**	**84.3**	**94.4**	**83.5**	**137**	50
Mercury	ND	ND	ND	ND	ND	ND	ND	0.25	ND	ND	0.2	ND	2
Nickel	ND	ND	16.9	17.9	9.7	16.2	20.9	23.1	19.4	19.1	20.0	22.5	100
Potassium	7090.0	5170	5020.0	5520	5217	8610	5490	6280	5980	5820	6200	5500	NLE
Silver	17.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20
Sodium	7500.0	10540	9040.0	9290	6370	10500	11000	15500	12800	12800	11400	13900	50000
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.07	10
Vanadium	ND	ND	ND	ND	ND	9.03	1.22	1.28	ND	1.85	ND	3.13	NLE
Zinc	2823.0	1027	646.0	1917	785	640	1410	2150	941	1310	836	2030	5000

NOTES
All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.
ND: Analyte not detected in sample.
NLE: No GWQC exists for this analyte.

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW02, Landfill M-2
May 1997 - March 2000

Lab Sample ID	2513.03	2880.01	3094.03	3336.04	3504.04	3744.04	4036.04	4241.04	4551.04	4628.04	4844.05	5227.05	NJDEP GWQC (ug/L)
Sample Date	5/8/97	8/6/97	10/23/97	2/11/98	4/23/98	7/22/98	11/6/98	2/3/99	6/15/99	7/20/99	10/7/99	3/7/00	
Volatiles													
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.35	ND	ND	ND	1.22	ND	ND	600
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.65	1.37	ND	ND	1.26	ND	1.98	600
1,4-Dichlorobenzene	ND	ND	ND	ND	3.31	4.02	3.01	2.27	ND	3.46	1.96	4.87	74
Acetone	ND	ND	ND	ND	ND	8.77	ND	ND	ND	ND	ND	ND	700
Benzene	ND	**1.36**	ND	ND	**3.12**	**6.44**	**2.73**	**5.84**	**4.70**	**4.39**	**1.88**	**5.86**	1
Carbon Disulfide	1.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NLE
Chlorobenzene	**17.99**	**18.56**	**10.88**	**7.39**	**24.07**	**36.51**	**44.00**	**37.30**	**22.30**	**23.13**	**37.17**	**69.55**	4
tert-Butyl alcohol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35.15	ND	NLE
Semi-Volatiles													
1,3-Dichlorobenzene	ND	1.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	600
1,4-Dichlorobenzene	ND	4.79	ND	ND	2.29	2.86	ND	2.87	2.78	1.43	1.74	2.83	75
2-Methylnaphthalene	ND	1.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NLE
4-Methylphenol	ND	ND	ND	ND	ND	ND	ND	3.53	ND	ND	ND	ND	NLE
bis(2-Ethylhexyl)phthalate	ND	1.36	ND	16.97	ND	ND	ND	ND	ND	ND	ND	2.88	30
Butylbenzylphthalate	ND	ND	ND	10.93	ND	ND	ND	ND	ND	ND	ND	ND	100
Di-n-butylphthalate	1.54	ND	3.75	29.04	ND	ND	ND	ND	ND	ND	ND	ND	900
n-Nitrosodiphenylamine	ND	1.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20
Pesticides/PCBs													
not detected													
Metals													
Aluminum	49.1	51.7	107.0	129	108	44.7	48.2	ND	ND	29.4	ND	75.5	200
Antimony	ND	ND	ND	ND	ND	ND	2.76	ND	ND	ND	ND	2.84	20
Arsenic	2.0	3	ND	ND	2.8	2.35	ND	ND	ND	ND	ND	ND	8
Barium	270.4	580	120.0	171	354	264	229	273	258	226	214	341	2000
Beryllium	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20
Cadmium	ND	ND	ND	ND	1.1	ND	0.913	ND	0.968	0.737	1.66	ND	4
Calcium	70240.0	110100	62570.0	66770	75020	88600	68300	81300	101000	80600	75500	88500	NLE
Chromium	0.4	30	1.7	1.2	ND	ND	4.53	5.65	2.32	3.10	3.22	4.29	100
Cobalt	ND	ND	1.2	ND	ND	0.769	ND	0.652	1.21	0.680	0.630	0.633	NLE
Copper	8.0	ND	8.0	8.0	ND	ND	24.7	6.01	ND	4.68	4.82	ND	1000
Iron	**35180.0**	**82680**	**16230.0**	**22520**	**76160**	**26800**	**33700**	**50800**	**17000**	**13200**	**31400**	**46200**	300
Lead	0.7	1.3	7.0	ND	ND	ND	ND	ND	ND	3.61	ND	2.39	10
Magnesium	7400.0	11760	5470.0	5930	7788	8540	6650	9400	9140	7260	6800	10600	NLE
Manganese	**265.0**	**474**	**145.4**	**157**	**282**	**290**	**262**	**456**	**254**	**196**	**249**	**445**	50
Mercury	ND	0.6	ND	ND	ND	ND	ND	0.26	0.17	ND	0.3	ND	2
Nickel	ND	ND	1.8	3.9	2.1	2.06	2.47	2.25	ND	2.27	2.42	1.24	100
Potassium	7230.0	11210	6930.0	ND	24570	42900	10300	22200	29000	22900	11000	13600	NLE
Selenium	1.0	3	ND	ND	ND	ND	4.14	5.93	3.44	3.95	4.95	6.06	50
Silver	**41.0****	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20
Sodium	8840.0	11310	7820.0	7130	11880	12600	9910	17700	15500	13600	9500	8660	50000
Vanadium	ND	ND	ND	ND	2.5	1.62	1.31	2.13	1.64	1.29	1.23	2.55	NLE
Zinc	16.0	4	63.0	38	7.6	32.4	5.83	22.9	ND	28.4	14.1	44.6	5000

NOTES

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

Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.

ND: Analyte not detected in sample.

NLE: No GWQC exists for this analyte.

** Calibration Blank result greater than GW criteria limit

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW03, Landfill M-2
May 1997 - March 2000

Lab Sample ID	2502.06	2880.02	3094.04	3336.05	3504.05	3744.05	4036.02	4241.05	4551.05	4628.05	4844.06	5227.06	NJDEP GWQC (ug/L)
Sample Date	5/2/97	8/6/97	10/23/97	2/11/98	4/23/98	7/22/98	11/6/98	2/3/99	6/15/99	7/20/99	10/7/99	3/7/00	
Volatiles													
1,4-Dichlorobenzene	ND	ND	ND	5.36	9.32	ND	2.38	ND	ND	ND	1.30	ND	74
Benzene	ND	ND	**1.31**	**3.78**	**4.26**	ND	**1.78**	ND	ND	ND	**1.59**	ND	1
Chlorobenzene	**4.69**	1.49	**17.75**	**78.82**	**107.81**	**10.51**	**11.90**	**7.14**	**4.29**	3.68	**11.20**	3.42	4
Semi-Volatiles													
1,4-Dichlorobenzene	ND	ND	ND	2.60	5.13	ND	ND	ND	ND	ND	ND	ND	75
4-Nitrophenol	ND	ND	ND	ND	2.71	ND	ND	ND	ND	ND	ND	ND	NLE
Acenaphthene	ND	ND	ND	7.36	13.76	ND	ND	1.91	ND	ND	ND	ND	400
Anthracene	ND	ND	ND	1.27	ND	ND	ND	ND	ND	ND	ND	ND	2000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	2.44	ND	ND	ND	ND	ND	ND	ND	30
Butylbenzylphthalate	ND	ND	ND	9.78	ND	ND	ND	ND	ND	ND	ND	ND	100
Dibenzofuran	ND	ND	ND	2.27	4.90	ND	ND	ND	ND	ND	ND	ND	NLE
Di-n-butylphthalate	5.99	2.20	4.03	39.74	ND	ND	ND	ND	ND	ND	ND	ND	900
Fluorene	ND	ND	ND	2.46	4.79	ND	ND	ND	ND	ND	ND	ND	300
Naphthalene	0.77	ND	ND	1.76	3.12	ND	ND	ND	ND	ND	ND	ND	NLE
Phenanthrene	ND	ND	ND	1.26	1.91	ND	ND	ND	ND	ND	ND	ND	NLE
Pesticides/PCBs													
gamma-BHC	ND	ND	ND	ND	ND	ND	ND	0.020	ND	ND	ND	ND	0.20
Metals													
Aluminum	61.9	26.1	145.0	256	58	28.5	66.3	531	25.0	18.6	12.4	47.6	200
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.47	ND	ND	20
Arsenic	3.0	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8
Barium	90.6	90	47.4	317	566	86.4	114	141	84.5	88.1	116	75.3	2000
Beryllium	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20
Cadmium	ND	ND	ND	ND	ND	ND	ND	2.83	0.845	0.928	1.08	ND	4
Calcium	59650.0	63130	64240.0	154300	145200	72700	111000	86500	69300	66300	79400	71900	NLE
Chromium	0.6	30	1.5	ND	ND	ND	4.40	8.05	2.00	3.74	4.37	2.93	100
Cobalt	ND	ND	ND	ND	ND	ND	ND	1.88	0.593	ND	ND	0.567	NLE
Copper	46.0	ND	25.0	13	ND	ND	ND	10.5	ND	ND	10.3	ND	1000
Iron	**12230.0**	**9300**	**10010.0**	**39970**	**69260**	**14500**	**13700**	**16500**	**13500**	**16600**	**13000**	**11400**	300
Lead	1.1	ND	**13.0**	ND	2.8	ND	2.83	5.02	ND	5.31	ND	5.83	10
Magnesium	5360.0	511	4780.0	11200	9303	5010	12000	8750	5800	5250	7160	5570	NLE
Manganese	**503.0**	**5890**	**426.8**	**513**	**516**	**395**	**586**	**407**	**412**	**464**	**475**	**495**	50
Mercury	ND	ND	ND	ND	ND	ND	ND	0.32	0.25	ND	0.2	ND	2
Nickel	ND	ND	1.7	6.0	ND	0.566	2.88	50.9	ND	1.20	3.41	3.11	100
Potassium	8680.0	8920	9120.0	18580	17930	11900	22100	13900	11400	9980	14100	8230	NLE
Selenium	ND	ND	ND	ND	ND	3.95	6.65	ND	ND	ND	5.57	ND	50
Silver	**36.0****	**9170**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20
Sodium	21060.0	ND	10300.0	18180	11200	11600	28600	15800	10200	9860	13500	6860	50000
Vanadium	1.4	ND	ND	ND	1.2	ND	1.25	4.04	1.94	1.70	2.18	1.57	NLE
Zinc	31.0	ND	71.0	48	ND	31.1	11.0	433	54.8	64.4	31.8	25.6	5000

NOTES
All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.
ND: Analyte not detected in sample.
NLE: No GWQC exists for this analyte.
** Calibration Blank result greater than GW criteria limit

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW04, Landfill M-2
February 1998 - March 2000

Lab Sample ID	3336.06	3509.03	3744.06	4036.03	4241.06	4551.06	4628.06	4844.07	5227.07	NJDEP GWQC (ug/L)
Sample Date	2/11/98	4/27/98	7/22/98	11/6/98	2/3/99	6/15/99	7/20/99	10/7/99	3/7/00	
Volatiles										
Benzene	ND	ND	ND	ND	ND	ND	ND	**1.23**	ND	1
Chlorobenzene	2.41	ND	1.29	ND	ND	ND	2.75	**5.96**	2.38	4
Semi-Volatiles										
Benzo[g,h,l]perylene	ND	1.70	ND	ND	ND	ND	ND	ND	ND	NLE
Butylbenzylphthalate	4.59	ND	ND	ND	ND	ND	ND	ND	ND	100
Dibenz[a,h]anthracene	ND	1.03	ND	ND	ND	ND	ND	ND	ND	20
Di-n-butylphthalate	28.88	ND	ND	ND	ND	ND	ND	ND	ND	900
Indeno[1,2,3-cd]pyrene	ND	1.16	ND	ND	ND	ND	ND	ND	ND	20
Naphthalene	ND	ND	ND	ND	ND	1.27	ND	ND	ND	NLE
Pesticides/PCBs										
not detected										
Metals										
Aluminum	**514**	ND	**302**	**209**	20.3	57.6	52.3	73.6	57.8	200
Arsenic	ND	3.6	ND	ND	ND	ND	ND	ND	ND	8
Barium	177	111	131	132	132	155	180	227	195	2000
Cadmium	ND	ND	ND	1.47	1.38	0.873	2.32	1.87	ND	4
Calcium	5250	33070	33700	36300	45600	34000	40200	52200	34700	NLE
Chromium	1.7	ND	ND	3.78	9.31	1.52	3.07	5.86	2.80	100
Cobalt	ND	ND	ND	ND	ND	0.562	ND	ND	ND	NLE
Copper	9.0	ND	ND	ND	24.9	ND	66.3	47.9	ND	1000
Iron	**30140**	**17800**	**26300**	**23900**	**33300**	**31300**	**32600**	**43000**	**33700**	300
Lead	ND	ND	ND	3.27	ND	ND	**16.1**	2.97	9.26	10
Magnesium	6840	5041	3780	5230	4220	3770	4790	6160	3710	NLE
Manganese	**534**	**757**	**401**	**180**	**2010**	**311**	**670**	**1160**	**312**	50
Mercury	ND	ND	ND	0.2	0.41	ND	ND	0.2	ND	2
Nickel	4.5	3.5	1.81	4.16	4.41	ND	7.86	4.21	1.71	100
Potassium	7700	7929	7670	7470	7140	6950	7270	8250	6010	NLE
Selenium	ND	ND	ND	ND	3.73	ND	ND	3.94	ND	50
Sodium	7540	8592	8500	8050	9840	8040	8330	8710	5260	50000
Vanadium	ND	ND	1.71	1.61	ND	1.59	1.13	1.47	1.55	NLE
Zinc	39	38.9	41.6	51.3	68.4	18.8	114	41.2	18.5	5000

NOTES

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

Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.

ND: Analyte not detected in sample.

NLE: No GWQC exists for this analyte.

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW05, Landfill M-2
October 1998 - March 2000

Lab Sample ID Sample Date	3983.03 10/19/98	4022.08 11/2/98	4241.07 2/3/99	4551.07 6/15/99	4628.07 7/20/99	4844.08 10/7/99	5227.08 3/7/00	NJDEP GWQC (ug/L)
Volatiles								
Acetone	ND	5.49	ND	ND	ND	ND	ND	700
2-Butanone	9.29	3.19	ND	ND	ND	ND	ND	300
Semi-Volatiles								
bis(2-Ethylhexyl)phthalate	ND	ND	**40.90**	ND	ND	ND	ND	30
Di-n-octylphthalate	ND	ND	1.58	ND	ND	ND	ND	100
Pesticides/PCBs								
not detected								
Metals								
Aluminum	**1080**	**4860**	**633**	**2040**	**1360**	**1590**	**370**	200
Antimony	4.37	14.3	ND	ND	ND	ND	ND	20
Arsenic	ND	**8.63**	3.20	6.18	3.39	ND	2.80	8
Barium	35.8	65.4	171	419	243	115	309	2000
Beryllium	ND	0.583	ND	ND	ND	ND	ND	20
Cadmium	ND	ND	2.05	1.88	1.81	2.10	ND	4
Calcium	14300	15200	13800	16100	14900	15000	15600	NLE
Chromium	15.1	65.6	7.66	19.2	12.4	18.9	5.93	100
Cobalt	1.29	4.08	ND	2.26	2.31	1.23	ND	NLE
Copper	21.6	3.43	34.2	ND	ND	10.7	ND	1000
Iron	**15800**	**29900**	**35300**	**72000**	**45800**	**28300**	**74400**	300
Lead	4.09	**15.3**	4.62	7.58	4.71	4.59	5.24	10
Magnesium	2660	4270	1970	2780	2570	2760	2460	NLE
Manganese	34.2	45.5	48.2	41.5	38.1	36.5	43.2	50
Mercury	ND	0.30	0.43	ND	ND	0.3	ND	2
Nickel	6.31	13.7	3.30	1.72	2.59	5.44	2.61	100
Potassium	6550	10200	4630	6720	5910	6510	4450	NLE
Sodium	5070	4830	6910	5340	5050	4970	3290	50000
Vanadium	5.71	29.7	3.32	13.9	7.10	9.33	3.03	NLE
Zinc	16.4	53.5	43.4	32.7	22.0	31.7	26.7	5000

NOTES

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

Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.

ND: Analyte not detected in sample.

NLE: No GWQC exists for this analyte.

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW06, Landfill M-2
October 1998 - March 2000

Lab Sample ID	3983.04	4022.07	4241.08	4551.08	4628.08	4844.09	5227.09	NJDEP GWQC (ug/L)
Sample Date	10/19/98	11/2/98	2/3/99	6/15/99	7/20/99	10/7/99	3/7/00	
Volatiles								
2-Butanone	8.86	4.65	ND	ND	ND	ND	ND	300
Acetone	ND	7.45	ND	ND	ND	ND	ND	700
Chlorobenzene	1.36	ND	ND	ND	ND	ND	ND	4
Semi-Volatiles								
not detected								
Pesticides/PCBs								
Arochlor 1016	**0.865**	**2.260**	**0.611**	ND	ND	ND	ND	0.50
Arochlor 1260	ND	ND	ND	ND	**0.581**	ND	ND	0.50
gamma-BHC	ND	ND	0.058	ND	ND	ND	ND	0.20
Metals								
Aluminum	**1240**	**10300**	**1330**	**749**	**992**	**616**	**753**	200
Antimony	ND	3.76	ND	ND	ND	ND	**566**	20
Arsenic	ND	**16.5**	ND	ND	ND	ND	5.60	8
Barium	102	175	185	175	128	90.3	189	2000
Beryllium	ND	1.52	ND	ND	ND	ND	ND	20
Cadmium	ND	ND	0.969	0.941	0.948	2.17	3.28	4
Calcium	48700	49100	54000	40300	39300	40800	41600	NLE
Chromium	13.1	**105**	14.8	6.40	9.23	7.44	**16000**	100
Cobalt	0.854	5.41	0.688	0.944	0.771	0.579	29.3	NLE
Copper	16.3	55.1	13.2	ND	5.22	10.9	9.64	1000
Iron	**16500**	**43500**	**50700**	**38100**	**36700**	**26100**	**45000**	300
Lead	**22.4**	**90.5**	**13.6**	6.26	9.72	6.95	ND	10
Magnesium	4970	8030	5620	4710	4830	4810	14100	NLE
Manganese	**72.5**	**92.7**	**138**	**55.0**	**59.6**	**52.4**	**247**	50
Mercury	ND	0.47	0.46	0.21	ND	0.3	ND	2
Nickel	3.62	18.9	5.53	ND	2.31	3.32	ND	100
Potassium	7660	15100	7000	6470	6380	6430	5490	NLE
Silver	ND	ND	3.83	ND	ND	ND	ND	20
Sodium	6970	8090	8620	7190	7200	6990	4540	50000
Thallium	ND	ND	ND	ND	ND	ND	6.70	10
Vanadium	6.97	46.6	6.40	4.62	4.71	3.53	35.8	NLE
Zinc	83.5	392	100	33.6	51.7	47.0	11.3	5000

NOTES

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

Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.

ND: Analyte not detected in sample.

NLE: No GWQC exists for this analyte.

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW07, Landfill M-2
October 1998 - March 2000

Lab Sample ID	3983.05	4022.06	4241.09	4551.09	4628.09	4844.10	5227.10	NJDEP
Sample Date	10/19/98	11/2/98	2/3/99	6/15/99	7/20/99	10/7/99	3/7/00	GWQC (ug/L)
Volatiles								
2-Butanone	11.29	5.45	ND	ND	11.10	ND	ND	300
Acetone	ND	6.63	ND	ND	ND	ND	ND	700
Semi-Volatiles								
not detected								
Pesticides/PCBs								
not detected								
Metals								
Aluminum	**1480**	**3870**	**433**	**780**	**1150**	**1680**	**248**	200
Antimony	ND	2.69	ND	ND	2.63	ND	ND	20
Arsenic	ND	6.24	5.13	2.95	ND	ND	ND	8
Barium	96.6	107	103	209	89.7	119	339	2000
Beryllium	0.811	1.05	ND	ND	ND	ND	ND	20
Cadmium	ND	2.36	1.94	1.96	1.29	1.67	ND	4
Calcium	51700	51000	48300	51200	49700	52600	56600	NLE
Chromium	16.1	48.8	4.25	5.82	6.68	9.55	ND	100
Cobalt	3.18	4.10	ND	1.17	ND	0.991	ND	NLE
Copper	8.25	24.3	ND	ND	ND	8.27	ND	1000
Iron	**14800**	**23800**	**41800**	**71900**	**19800**	**35100**	**118000**	300
Lead	**13.0**	**16.4**	3.41	ND	4.93	4.53	ND	10
Magnesium	6010	6450	5240	5660	5740	5900	5760	NLE
Manganese	**94.8**	**82.2**	**79.6**	**80.3**	**70.1**	**81.7**	**156**	50
Mercury	0.1	0.24	0.34	ND	ND	0.4	ND	2
Nickel	8.01	12.0	2.46	ND	0.999	4.09	6.52	100
Potassium	7310	8570	5260	5890	5480	6050	4560	NLE
Selenium	ND	ND	3.34	ND	ND	ND	ND	50
Sodium	13500	8650	9530	8800	9750	18700	5780	50000
Vanadium	12.9	23.3	2.11	6.35	2.79	5.70	2.63	NLE
Zinc	93.8	144	70.1	28.0	28.0	74.1	26.5	5000

NOTES

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

Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.

ND: Analyte not detected in sample.

NLE: No GWQC exists for this analyte.

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW08, Landfill M-2
October 1998 - March 2000

Lab Sample ID	3983.06	4022.05	4241.10	4551.10	4628.10	4844.11	5227.11	NJDEP GWQC (ug/L)
Sample Date	10/19/98	11/2/98	2/3/99	6/15/99	7/20/99	10/7/99	3/7/00	
Volatiles								
2-Butanone	86.82	28.18	ND	ND	ND	ND	ND	300
Acetone	17.89	11.27	ND	ND	ND	ND	ND	700
Benzene	**7.46**	**5.88**	**5.56**	**4.13**	**2.66**	ND	ND	1
Semi-Volatiles								
not detected								
Pesticides/PCBs								
not detected								
Metals								
Aluminum	**1490**	**8250**	**1350**	**3630**	**1560**	**935**	**616**	200
Antimony	2.78	5.31	ND	ND	ND	ND	ND	20
Arsenic	ND	7.03	ND	2.86	ND	ND	ND	8
Barium	72.6	87.2	136	562	120	98.5	197	2000
Beryllium	ND	1.14	ND	ND	ND	ND	ND	20
Cadmium	ND	ND	1.16	**4.14**	0.925	1.46	ND	4
Calcium	40000	42700	39400	44800	39700	41500	39500	NLE
Chromium	54.8	111	11.5	28.8	16.5	8.57	ND	100
Cobalt	1.72	2.75	ND	ND	ND	ND	ND	NLE
Copper	ND	6.50	9.24	ND	ND	3.64	ND	1000
Iron	**18400**	**46100**	**76500**	**142000**	**37200**	**32500**	**73100**	300
Lead	**11.0**	**45.0**	5.57	**13.5**	**10.6**	6.65	3.37	10
Magnesium	5200	8600	4460	5910	5220	5090	4750	NLE
Manganese	**55.1**	**69.9**	**61.7**	**74.6**	**56.5**	**55.5**	**56.5**	50
Mercury	ND	0.18	0.36	ND	ND	0.3	ND	2
Nickel	5.21	10.5	3.71	ND	2.13	4.70	2.50	100
Potassium	9010	19100	7260	10300	8020	7760	6100	NLE
Sodium	7560	8240	8690	7820	7890	8040	4770	50000
Vanadium	24.0	41.5	4.10	17.9	6.62	3.44	4.57	NLE
Zinc	32.5	95.3	96.4	34.5	28.6	32.9	21.7	5000

NOTES

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

Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.

ND: Analyte not detected in sample.

NLE: No GWQC exists for this analyte.

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW09, Landfill M-2
October 1998 - March 2000

Lab Sample ID	3983.07	4022.04	4241.11	4551.11	4628.11	4844.12	5227.12	NJDEP GWQC (ug/L)
Sample Date	10/19/98	11/2/98	2/3/99	6/15/99	7/20/99	10/7/99	3/7/00	
Volatiles								
2-Butanone	5.47	3.19	ND	ND	ND	ND	ND	300
Acetone	6.30	6.22	ND	ND	ND	ND	ND	700
Benzene	**538.24 D**	**205.68 D**	**236.20 D**	**23.39**	**14.32**	**3.91**	**2.21**	1
Chlorobenzene	ND	ND	1.99	ND	ND	ND	ND	4
Semi-Volatiles								
Phenol	ND	ND	4.47	ND	ND	ND	ND	4000
Pesticides/PCBs								
4,4'-DDD	ND	ND	ND	0.007	0.046	ND	ND	0.10
4,4'-DDE	ND	ND	ND	ND	ND	0.033	ND	0.10
Arochlor 1016	**0.700**	0.260	0.244	ND	ND	ND	ND	0.50
Arochlor 1254	**3.850**	**1.470**	**1.187**	ND	**1.456**	ND	ND	0.50
Metals								
Aluminum	**455**	**7880**	**3250**	**32300**	**5850**	**5000**	**2850**	200
Antimony	ND	4.08	ND	ND	ND	ND	ND	20
Arsenic	ND	**13.3**	4.20	**22.1**	3.90	5.86	ND	8
Barium	87.0	146	178	279	104	131	77.5	2000
Beryllium	ND	1.45	0.704	4.47	0.787	1.16	ND	20
Cadmium	ND	0.987	**4.49**	**15.2**	2.93	**5.64**	1.65	4
Calcium	68200	56200	99300	57900	50700	53600	46000	NLE
Chromium	7.97	**116**	39.6	**309**	69.1	62.2	36.8	100
Cobalt	ND	5.03	2.09	16.8	3.54	4.99	1.94	NLE
Copper	ND	24.0	193	126	19.1	39.3	13.2	1000
Iron	**10400**	**36100**	**30900**	**99300**	**24900**	**27500**	**15200**	300
Lead	7.00	**41.6**	**13.1**	**95.9**	**20.5**	**29.3**	**11.2**	10
Magnesium	5650	7540	7820	14100	6210	5590	5260	NLE
Manganese	**1920**	**1560**	**4260**	**1430**	**1200**	**1460**	**1310**	50
Mercury	0.3	0.76	0.71	**3.46**	0.5	1.2	ND	2
Nickel	1.10	14.2	9.70	46.8	10.2	16.7	7.50	100
Potassium	8290	16000	10600	31600	10100	8730	6860	NLE
Selenium	ND	ND	4.10	6.57	ND	ND	ND	50
Silver	ND	ND	ND	4.90	ND	ND	ND	20
Sodium	7600	7580	10500	7280	7300	7230	4560	50000
Vanadium	3.29	46.9	9.55	145	27.2	26.8	20.6	NLE
Zinc	105	565	474	2300	406	679	263	5000

NOTES

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

Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.

ND: Analyte not detected in sample.

NLE: No GWQC exists for this analyte.

D = Value from dilution

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW10, Landfill M-2
October 1998 - March 2000

Lab Sample ID Sample Date	3983.08 10/19/98	4022.03 11/2/98	4241.12 2/3/99	4551.12 6/15/99	4628.12 7/20/99	4844.13 10/7/99	5227.13 3/7/00	NJDEP GWQC (ug/L)
Volatiles								
2-Butanone	9.93	2.85	ND	12.64	ND	ND	ND	300
Acetone	9.04	5.21	ND	ND	ND	ND	ND	700
Semi-Volatiles								
not detected								
Pesticides/PCBs								
not detected								
Metals								
Aluminum	**486**	**3670**	**638**	**5610**	**1010**	98.4	**442**	200
Antimony	ND	4.19	ND	ND	ND	2.41	ND	20
Arsenic	ND	3.08	ND	5.29	ND	ND	ND	8
Barium	23.1	58.6	168	404	79.2	65.9	504	2000
Beryllium	ND	0.748	ND	0.777	ND	ND	ND	20
Cadmium	ND	ND	0.845	2.03	1.02	1.10	ND	4
Calcium	24600	45300	44100	53400	43600	44000	50000	NLE
Chromium	5.72	49.9	6.28	47.3	12.8	2.32	6.30	100
Cobalt	0.680	1.98	ND	3.18	0.576	ND	ND	NLE
Copper	ND	ND	42.7	ND	4.00	4.47	ND	1000
Iron	**4280**	**20600**	**24300**	**65600**	**10700**	**6390**	**46200**	300
Lead	2.94	4.47	ND	7.75	8.20	ND	ND	10
Magnesium	1750	4300	2600	4430	3260	2960	3220	NLE
Manganese	22.5	47.4	**68.6**	**79.2**	**63.1**	37.7	**104**	50
Mercury	ND	ND	0.22	ND	ND	0.3	ND	2
Nickel	1.26	4.86	1.17	1.43	1.44	2.16	1.58	100
Potassium	3290	9530	5120	8860	5670	5350	4940	NLE
Sodium	3870	7600	8080	7800	7540	7310	4850	50000
Vanadium	3.25	24.7	2.09	30.8	5.65	1.25	4.69	NLE
Zinc	20.1	38.4	31.2	41.9	40.5	18.2	25.1	5000

NOTES

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

Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.

ND: Analyte not detected in sample.

NLE: No GWQC exists for this analyte.

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW11, Landfill M-2
May 2000 - June 2000

Lab Sample ID Sample Date	5446.04 5/31/00	5475.04 6/14/00	NJDEP GWQC (ug/L)
Volatiles			
Benzene	**98.01**	ND	1
Semi-Volatiles			
not detected			
Pesticides/PCBs			
not detected			
Metals			
Aluminum	68.3	80.9	200
Antimony	ND	3.56	20
Barium	38.1	35.0	2000
Calcium	39800	40500	NLE
Chromium	ND	6.06	100
Copper	5.90	400	1000
Iron	**397**	**306**	300
Lead	ND	**84.5**	10
Magnesium	3910	3900	NLE
Manganese	24.6	24.7	50
Nickel	0.745	18.4	100
Potassium	6060	5850	NLE
Selenium	ND	3.45	50
Sodium	3870	3720	50000
Vanadium	1.52	ND	NLE
Zinc	5.80	551	5000

NOTES
All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.
ND: Analyte not detected in sample.
NLE: No GWQC exists for this analyte.

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW12, Landfill M-2
May 2000 - June 2000

Lab Sample ID Sample Date	5446.03 5/31/00	5475.03 6/14/00	NJDEP GWQC (ug/L)
Volatiles			
not detected			
Semi-Volatiles			
bis(2-Ethylhexyl)phthalate	1.81	3.04	30
Pesticides/PCBs			
not detected			
Metals			
Aluminum	100	136	200
Antimony	ND	3.80	20
Barium	35.1	40.8	2000
Calcium	34900	35400	NLE
Chromium	0.901	3.38	100
Copper	7.85	51.0	1000
Iron	**792**	**1410**	300
Lead	ND	4.84	10
Magnesium	3790	3750	NLE
Manganese	28.1	33.7	50
Nickel	ND	7.20	100
Potassium	6060	5720	NLE
Sodium	3500	3200	50000
Vanadium	1.49	ND	NLE
Zinc	37.1	89.3	5000

NOTES
All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.
ND: Analyte not detected in sample.
NLE: No GWQC exists for this analyte.

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW13, Landfill M-2
May 2000 - June 2000

Lab Sample ID Sample Date	5440.05 5/30/00	5471.05 6/13/00	NJDEP GWQC (ug/L)
Volatiles			
not detected			
Semi-Volatiles			
bis(2-Ethylhexyl)phthalate	4.86	ND	30
Pesticides/PCBs			
not detected			
Metals			
Aluminum	83.1	71.6	200
Barium	54.2	53.6	2000
Calcium	19200	19500	NLE
Chromium	0.679	2.77	100
Cobalt	0.753	ND	NLE
Copper	ND	5.77	1000
Iron	**13200**	**11400**	300
Lead	ND	2.72	10
Magnesium	2150	2090	NLE
Manganese	**101**	**90.4**	50
Nickel	ND	2.49	100
Potassium	5680	5680	NLE
Sodium	13200	11500	50000
Vanadium	1.35	ND	NLE
Zinc	1.46	16.9	5000

NOTES
All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.
ND: Analyte not detected in sample.
NLE: No GWQC exists for this analyte.

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW14, Landfill M-2
May 2000 - June 2000

Lab Sample ID Sample Date	5440.04 5/30/00	5471.04 6/13/00	NJDEP GWQC (ug/L)
Volatiles			
not detected			
Semi-Volatiles			
2-Methylnaphthalene	ND	1.36	NLE
Acenaphthene	ND	1.19	400
Naphthalene	1.59	3.46	NLE
Pesticides/PCBs			
not detected			
Metals			
Aluminum	165	**206**	200
Barium	34.3	34.0	2000
Calcium	14600	15400	NLE
Chromium	3.54	5.69	100
Iron	**36000**	**38900**	300
Magnesium	5590	6110	NLE
Manganese	**284**	**329**	50
Mercury	ND	0.2	2
Nickel	0.644	3.60	100
Potassium	1400	1520	NLE
Sodium	16000	15900	50000
Vanadium	3.14	3.08	NLE
Zinc	3.73	20.6	5000

NOTES

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

Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.

ND: Analyte not detected in sample.

NLE: No GWQC exists for this analyte.

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW15, Landfill M-2
May 2000 - June 2000

Lab Sample ID Sample Date	5440.07 5/30/00	5471.07 6/13/00	NJDEP GWQC (ug/L)
Volatiles)			
Toluene	1.47	2.14	1000
Semi-Volatiles			
2-Methylnaphthalene	18.22	17.34	NLE
4-Methylphenol	3.40	3.90	NLE
Acenaphthene	23.81	23.50	400
Anthracene	1.47	1.70	2000
Benzoic Acid	4.59	2.09	NLE
Dibenzofuran	17.50	17.74	NLE
Fluoranthene	1.79	1.81	300
Fluorene	16.63	16.33	300
Naphthalene	51.43	49.72	NLE
Phenanthrene	9.97	10.68	NLE
Phenol	ND	2.51	4000
Pesticides/PCBs			
not detected			
Metals			
Aluminum	184	**217**	200
Arsenic	ND	4.96	8
Barium	58.1	67.0	2000
Cadmium	0.677	ND	4
Calcium	27500	32800	NLE
Chromium	1.65	4.76	100
Cobalt	3.08	1.45	NLE
Copper	59.2	150	1000
Iron	**4390**	**4950**	300
Lead	**14.0**	**41.5**	10
Magnesium	4060	4480	NLE
Manganese	**85.2**	**79.1**	50
Nickel	10.1	12.5	100
Potassium	7940	8000	NLE
Sodium	16500	18400	50000
Vanadium	5.10	7.47	NLE
Zinc	141	274	5000

NOTES

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.
ND: Analyte not detected in sample.
NLE: No GWQC exists for this analyte.

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW16, Landfill M-2
May 2000 - June 2000

Lab Sample ID Sample Date	5440.10 5/30/00	5471.11 6/13/00	NJDEP GWQC (ug/L)
Volatiles			
not detected			
Semi-Volatiles			
bis(2-Ethylhexyl)phthalate	ND	1.74	30
Pesticides/PCBs			
not detected			
Metals			
Aluminum	38.1	ND	200
Barium	89.9	97.4	2000
Cadmium	1.40	ND	4
Calcium	20600	20400	NLE
Chromium	ND	2.03	100
Cobalt	1.21	0.578	NLE
Copper	22.5	ND	1000
Iron	**7660**	**13700**	300
Magnesium	3320	3060	NLE
Manganese	**280**	**247**	50
Nickel	11.2	8.23	100
Potassium	1250	1210	NLE
Sodium	11200	11800	50000
Zinc	384	109	5000

NOTES

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.
ND: Analyte not detected in sample.
NLE: No GWQC exists for this analyte.

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW17, Landfill M-2
May 2000 - June 2000

Lab Sample ID Sample Date	5440.12 5/30/00	5471.12 6/13/00	NJDEP GWQC (ug/L)
Volatiles			
not detected			
Semi-Volatiles			
not detected			
Pesticides/PCBs			
not detected			
Metals			
Aluminum	**613**	**515**	200
Barium	ND	133	2000
Calcium	14600	17900	NLE
Chromium	1.67	3.60	100
Cobalt	2.52	2.86	NLE
Copper	5.50	ND	1000
Iron	**767**	**325**	300
Magnesium	5160	6340	NLE
Manganese	31.3	35.8	50
Nickel	4.97	7.78	100
Potassium	2480	2760	NLE
Sodium	9580	10400	50000
Vanadium	1.23	ND	NLE
Zinc	27.7	27.1	5000

NOTES

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.
ND: Analyte not detected in sample.
NLE: No GWQC exists for this analyte.

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW18, Landfill M-2
May 2000 - June 2000

Lab Sample ID Sample Date	5440.13 5/30/00	5471.09 6/13/00	NJDEP GWQC (ug/L)
Volatiles			
not detected			
Semi-Volatiles			
not detected			
Pesticides/PCBs			
not detected			
Metals			
Aluminum	171	23.1	200
Barium	59.0	59.3	2000
Calcium	25900	27200	NLE
Chromium	1.27	2.74	100
Iron	**13300**	**11000**	300
Magnesium	4270	4290	NLE
Manganese	**140**	**137**	50
Nickel	0.627	2.42	100
Potassium	7000	6870	NLE
Sodium	5970	5740	50000
Vanadium	1.41	ND	NLE
Zinc	33.8	22.5	5000

NOTES

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.
ND: Analyte not detected in sample.
NLE: No GWQC exists for this analyte.

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW19, Landfill M-2
May 2000 - June 2000

Lab Sample ID Sample Date	5446.05 5/31/00	5475.05 6/14/00	NJDEP GWQC (ug/L)
Volatiles			
not detected			
Semi-Volatiles			
not detected			
Pesticides/PCBs			
not detected			
Metals			
Aluminum	**555**	161	200
Antimony	ND	3.54	20
Barium	44.8	38.2	2000
Calcium	43100	43300	NLE
Chromium	3.16	2.50	100
Copper	3.36	16.0	1000
Iron	**1860**	**830**	300
Magnesium	3250	3110	NLE
Manganese	**74.4**	**66.7**	50
Mercury	ND	0.1	2
Nickel	ND	5.83	100
Potassium	6220	5700	NLE
Selenium	ND	4.38	50
Sodium	4710	4330	50000
Vanadium	4.17	ND	NLE
Zinc	ND	4.19	5000

NOTES

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.
ND: Analyte not detected in sample.
NLE: No GWQC exists for this analyte.

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW20, Landfill M-2
May 2000 - June 2000

Lab Sample ID Sample Date	5446.06 5/31/00	5475.06 6/14/00	NJDEP GWQC (ug/L)
Volatiles			
not detected			
Semi-Volatiles			
not detected			
Pesticides/PCBs			
not detected			
Metals			
Aluminum	**444**	46.9	200
Antimony	ND	3.33	20
Barium	41.7	37.1	2000
Calcium	43000	43100	NLE
Chromium	2.62	1.85	100
Copper	4.47	16.7	1000
Iron	**2040**	**437**	300
Magnesium	3180	2750	NLE
Manganese	47.9	35.4	50
Nickel	ND	5.58	100
Potassium	7650	9280	NLE
Sodium	9570	11100	50000
Vanadium	3.24	ND	NLE
Zinc	2.21	5.94	5000

NOTES
All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.
ND: Analyte not detected in sample.
NLE: No GWQC exists for this analyte.

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW21, Landfill M-2
May 2000 - June 2000

Lab Sample ID Sample Date	5440.08 5/30/00	5471.13 6/13/00	NJDEP GWQC (ug/L)
Volatiles			
1,2-Dichlorobenzene	1.38	ND	600
1,3-Dichlorobenzene	3.77	2.87	600
1,4-Dichlorobenzene	8.39	6.24	75
Benzene	**2.60**	**3.46**	1
Chlorobenzene	**43.73**	**49.92**	4
Semi-Volatiles			
1,3-Dichlorobenzene	2.37	2.06	600
1,4-Dichlorobenzene	5.29	4.13	75
2-Methylnaphthalene	4.02	3.34	NLE
bis(2-Ethylhexyl)phthalate	7.78	7.55	30
Pesticides/PCBs			
not detected			
Metals			
Aluminum	129	166	200
Barium	592	621	2000
Calcium	91500	94600	NLE
Chromium	6.12	6.35	100
Cobalt	1.69	0.641	NLE
Copper	47.4	ND	1000
Iron	**57700**	**63600**	300
Lead	**12.9**	**10.1**	10
Magnesium	7210	7290	NLE
Manganese	**680**	**643**	50
Nickel	2.73	3.37	100
Potassium	4380	4500	NLE
Selenium	ND	3.91	50
Sodium	16100	15700	50000
Vanadium	2.18	2.48	NLE
Zinc	66.5	21.1	5000

NOTES

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.
ND: Analyte not detected in sample.
NLE: No GWQC exists for this analyte.

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW22, Landfill M-2
May 2000 - June 2000

Lab Sample ID Sample Date	5440.11 5/30/00	5471.10 6/13/00	NJDEP GWQC (ug/L)
Volatiles			
tert-Butyl alcohol	373.98	462.08	NLE
Semi-Volatiles			
not detected			
Pesticides/PCBs			
not detected			
Metals			
Aluminum	20.8	ND	200
Barium	72.0	72.2	2000
Calcium	38800	38700	NLE
Chromium	1.11	3.28	100
Copper	ND	22.8	1000
Iron	**36100**	**33500**	300
Magnesium	5970	5780	NLE
Manganese	**267**	**295**	50
Nickel	1.11	3.39	100
Potassium	7730	7550	NLE
Sodium	13100	11900	50000
Vanadium	1.26	ND	NLE
Zinc	119	89.6	5000

NOTES
All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.
ND: Analyte not detected in sample.
NLE: No GWQC exists for this analyte.

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW23, Landfill M-2
May 2000 - June 2000

Lab Sample ID Sample Date	5440.06 5/30/00	5471.06 6/13/00	NJDEP GWQC (ug/L)
Volatiles			
1,4-Dichlorobenzene	4.46	3.67	75
Benzene	**5.92**	**5.17**	1
Chlorobenzene	**44.43**	**37.26**	4
Semi-Volatiles			
1,4-Dichlorobenzene	3.27	2.65	75
2-Methylnaphthalene	5.25	4.13	NLE
bis(2-Ethylhexyl)phthalate	4.33	4.11	30
n-Nitrosodiphenylamine	2.54	2.11	20
Pesticides/PCBs			
not detected			
Metals			
Aluminum	143	22.6	200
Barium	538	451	2000
Calcium	78000	72600	NLE
Chromium	4.35	7.39	100
Cobalt	1.07	0.557	NLE
Copper	ND	176	1000
Iron	**76900**	**61100**	300
Lead	ND	**39.3**	10
Magnesium	9230	8360	NLE
Manganese	**361**	**292**	50
Nickel	1.17	9.73	100
Potassium	5710	5250	NLE
Selenium	4.97	5.36	50
Sodium	14500	12600	50000
Vanadium	8.67	6.63	NLE
Zinc	5.44	260	5000

NOTES
All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.
ND: Analyte not detected in sample.
NLE: No GWQC exists for this analyte.

Table 5 (continued)
Quarterly Groundwater Sampling Results
Ft. Monmouth, New Jersey
Monitoring Well M2MW24, Landfill M-2
May 2000 - June 2000

Lab Sample ID Sample Date	5440.09 5/30/00	5471.08 6/13/00	NJDEP GWQC (ug/L)
Volatiles			
1,4-Dichlorobenzene	4.73	3.54	75
Benzene	**1.37**	**1.75**	1
Chlorobenzene	**5.21**	**5.67**	4
Semi-Volatiles			
1,4-Dichlorobenzene	3.34	2.52	75
2-Methylnaphthalene	12.10	8.30	NLE
Acenaphthene	1.33	ND	400
bis(2-Ethylhexyl)phthalate	6.97	4.70	30
Fluorene	1.30	ND	300
Naphthalene	ND	4.64	NLE
n-Nitrosodiphenylamine	1.39	ND	20
Pesticides/PCBs)			
not detected			
Metals			
Aluminum	**264**	155	200
Barium	348	329	2000
Cadmium	0.659	ND	4
Calcium	54200	56900	NLE
Chromium	12.3	5.93	100
Cobalt	0.780	ND	NLE
Copper	357	ND	1000
Iron	**60300**	**56100**	300
Lead	**49.5**	ND	10
Magnesium	4810	5040	NLE
Manganese	**748**	**682**	50
Nickel	16.7	3.37	100
Potassium	2940	3000	NLE
Selenium	ND	5.60	50
Sodium	8860	8050	50000
Vanadium	2.67	2.94	NLE
Zinc	448	14.5	5000

NOTES

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

Exceedances of the NJDEP Groundwater Quality Criteria (GWQC) are highlighted and printed in bold-faced type.

ND: Analyte not detected in sample.

NLE: No GWQC exists for this analyte.

Table 6
Stream Sampling Analytical Results
Main Post - M2 Landfill
Fort Monmouth, New Jersey

Stream Sampling Location - Site #13
October 1996 - June 2000

Lab Sample ID Sample Date	2178.13 10/8/96	2223.17 11/25/96	2298.17 1/29/97	2361.17 2/26/97	2375.17 3/10/97	2439.17 4/8/97	2810.17 7/17/97	3121.17 10/30/97	3331.17 2/10/98	3499.17 4/21/98	3816.17 8/19/98	4069.11 11/18/98	4300.17 2/25/99	4579.19 6/29/99	4806.10 9/22/99	4997.16 12/8/99	5211.16 3/1/00	5468.13 6/12/00	NJDEP SWQS (ug/L)
Acetone	NA	NA	3.60	ND	ND	2.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NLE
cis-1,2-Dichloroethene	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.35	ND	NLE
Methylene chloride	**3.76 B**	**2.72 B**	**2.59**	ND	ND	1.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.49
Methyl-tert-Butyl ether	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.80	2.40	ND	NLE
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3.94**	**6.92**	**5.56**	0.39
Trichloroethene (TCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.40**	ND	1.09

NOTES
Only detected compounds are listed.
All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
Exceedances of the NJDEP Surface Water Quality Standards (SWQS) are highlighted and printed in bold-faced type.
NA: Sample not analyzed for this parameter.
ND: Analyte not detected in sample.
B: Found in the Blank.
NLE: No regulatory limit has been established for this parameter.

Table 6 (continued)
Stream Sampling Analytical Results
Main Post - M2 Landfill
Fort Monmouth, New Jersey

Stream Sampling Location - Site #15
October 1996 - June 2000

Lab Sample ID Sample Date	2178.15 10/8/96	2223.09 11/25/96	2246.09 12/12/96	2298.09 1/29/97	2361.09 2/26/97	2375.09 3/10/97	2439.09 4/8/97	2810.09 7/17/97	3121.09 10/30/97	3331.09 2/10/98	3499.09 4/21/98	3816.09 8/19/98	4069.08 11/18/98	4300.09 2/25/99	4579.11 6/29/99	4802.11 9/21/99	4997.17 12/8/99	5211.17 3/1/00	5468.12 6/12/00	NJDEP SWQS (ug/L)
Acetone	NA	NA	NA	4.22	ND	ND	ND	ND	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	3.59	ND	1.39	ND	NLE
Methylene chloride	**3.85 B**	**2.98 B**	**5.51**	**2.68**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.49
Methyl-tert-Butyl ether	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.38	ND	NLE
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**	**2.61**	**4.08**	**6.95**	**5.94**	0.39
Trichloroethene (TCE)	**2.58**	**2.54**	**1.31**	**1.33**	ND	ND	**1.60**	**2.50**	ND	1.03	**1.21**	**2.06**	ND	ND	**2.40**	**1.37**	ND	**1.39**	ND	1.09

Stream Sampling Location - Site #16
November 1996 - June 2000

Lab Sample ID Sample Date	2223.10 11/25/96	2246.10 12/12/96	2298.10 1/29/97	2361.10 2/26/97	2375.10 3/10/97	2439.10 4/8/97	2810.10 7/17/97	3121.10 10/30/97	3331.10 2/10/98	3499.10 4/21/98	3816.10 8/19/98	4069.06 11/18/98	4300.10 2/25/99	4579.12 6/29/99	4806.03 9/22/99	4997.12 12/8/99	5211.13 3/1/00	5468.14 6/12/00	NJDEP SWQS (ug/L)
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	2.74	1.79	1.28	ND	NLE
Methylene chloride	**3.16 B**	**4.65**	**3.01**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.49
Methyl-tert-Butyl ether	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.33	ND	NLE
Tetrachloroethene (PCE)	**8.20**	**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**	**2.63**	**4.13**	**6.47**	**3.74**	0.39
Trichloroethene (TCE)	**2.24**	1.00	**1.14**	**1.20**	ND	**1.26**	ND	ND	ND	ND	**1.63**	ND	ND	**2.25**	ND	ND	**1.27**	ND	1.09

NOTES
Only detected compounds are listed.
All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
Exceedances of the NJDEP Surface Water Quality Standards (SWQS) are highlighted and printed in bold-faced type.
NA: Sample not analyzed for this parameter.
ND: Analyte not detected in sample.
B: Found in the Blank.
NLE: No regulatory limit has been established for this parameter.

Table 6 (continued)
Stream Sampling Analytical Results
Main Post - M2 Landfill
Fort Monmouth, New Jersey

Stream Sampling Location - Site #23
June 2000

Lab Sample ID Sample Date	5468.21 6/12/00	NJDEP SWQS (ug/L)
Methylene chloride	ND	2.49
Tetrachloroethene	**5.60**	0.39
Trichloroethene (TCE)	ND	1.09

Stream Sampling Location - Site #24
June 2000

Lab Sample ID Sample Date	5468.22 6/12/00	NJDEP SWQS (ug/L)
Methylene chloride	ND	2.49
Tetrachloroethene	**4.72**	0.39
Trichloroethene (TCE)	ND	1.09

NOTES
Only detected compounds are listed.
All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
Exceedances of the NJDEP Surface Water Quality Standards (SWQS) are highlighted and printed in **bold-faced** type.
NA: Sample not analyzed for this parameter.
ND: Analyte not detected in sample.
B: Found in the Blank.
NLE: No regulatory limit has been established for this parameter.

Table 7
Sediment Sampling Results
PCB Analysis - April 2000
Main Post - M2 Landfill
Fort Monmouth, New Jersey

Field ID Sample Location	Depth	Lab I.D.	Sample Time	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	Total PCB
Lowest Effect Level (LEL)*	-	-	-	0.007	NA	NA	NA	0.030	0.060	0.005	0.070
Severe Effects Level (SEL)*	-	-	-	53.000	NA	NA	NA	150.000	34.000	24.000	530.000
1	0-6"	5346.01	13:33	ND	ND	ND	ND	ND	ND	ND	ND
1	6-12"	5346.02	13:35	ND	ND	ND	ND	ND	ND	ND	ND
2	0-6"	5346.03	13:37	ND	ND	ND	ND	ND	ND	ND	ND
2	6-12"	5346.04	13:39	ND	ND	ND	ND	ND	ND	ND	ND
3	0-6"	5346.05	13:41	ND	ND	ND	ND	ND	ND	ND	ND
3	6-12"	5346.06	13:43	ND	ND	ND	ND	ND	ND	ND	ND
4	0-6"	5346.07	13:48	ND	ND	ND	ND	ND	ND	ND	ND
4	6-12"	5346.08	13:50	ND	ND	ND	ND	ND	ND	ND	ND
5	0-6"	5346.09	13:53	ND	ND	ND	ND	ND	ND	ND	ND
5	6-12"	5346.10	13:55	ND	ND	ND	ND	ND	ND	ND	ND
6	0-6"	5346.11	13:58	ND	ND	ND	ND	ND	ND	ND	ND
6	6-12"	5346.12	14:00	ND	ND	ND	ND	ND	ND	ND	ND
7	0-6"	5346.13	14:05	ND	ND	ND	ND	ND	ND	ND	ND
7	6-12"	5346.14	14:07	ND	ND	ND	ND	ND	ND	ND	ND
8	0-6"	5346.15	14:10	ND	ND	ND	ND	ND	ND	ND	ND
8	6-12"	5346.16	14:12	ND	ND	ND	ND	ND	ND	ND	ND
9	0-6"	5346.17	14:14	ND	ND	ND	ND	ND	ND	ND	ND
9	6-12"	5346.18	14:16	ND	ND	ND	ND	ND	ND	ND	ND
10	0-6"	5346.19	14:22	ND	ND	ND	ND	ND	ND	ND	ND
10	6-12"	5346.20	14:24	ND	ND	ND	ND	ND	ND	ND	ND
11	0-6"	5346.21	14:30	ND	ND	ND	ND	ND	0.047	ND	0.047
11	6-12"	5346.22	14:33	ND	ND	ND	ND	ND	ND	ND	ND
12	0-6"	5346.23	14:35	ND	ND	ND	ND	ND	ND	ND	ND
12	6-12"	5346.24	14:38	ND	ND	ND	ND	ND	ND	ND	ND
DUP	0-6"	5346.25	-	ND	ND	ND	ND	ND	0.055	ND	0.055
DUP	6-12"	5346.26	-	ND	ND	ND	ND	ND	ND	ND	ND

* NJDEP Guidance For Sediment Quality Evaluations, November 1998
Exceedances of the NJDEP Guidances are highlighted and printed in **bold-faced** type.
All concentrations are given in milligrams per kilogram (mg/Kg), equivalent to parts per million (ppm).
NA = Not Applicable
ND = Analyte Not Detected in Sample.

Table 8
Additional Surface Water Sampling Results
PCB Analysis
May - June 2000
Main Post - M2 Landfill
Fort Monmouth, New Jersey

#15 Upgradient to M2 Landfill

Field ID Sample Location	Lab I.D.	Sample Datw	Sample Time	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	Total PCB
Regulatory Level (ug/L) *				0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Round 1											
#15 Stream Enter M2	5442.02	5/31/00	8:43	ND	ND	ND	ND	ND	ND	ND	ND
#15 Stream Enter M2	5449.04	6/1/00	14:55	ND	ND	ND	ND	ND	ND	ND	ND
Round 2											
#15 Stream Enter M2	5462.04	6/8/00	11:10	ND	ND	ND	ND	ND	ND	ND	ND
#15 Stream Enter M2	5474.02	6/14/00	8:56	ND	ND	ND	ND	ND	ND	ND	ND

* Regulatory level shown is higher of PQL and Ground Water Quality Criteria (GWQC) as per NJAC 7:9-6
All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
ND: Analyte Not Detected in Sample.
PQL: Practical Quantitation Limit

Table 8 (continued)
Additional Surface Water Sampling Results
PCB Analysis
May - June 2000
Main Post - M2 Landfill
Fort Monmouth, New Jersey

#24 Downgradient to M2 Landfill

Field ID Sample Location	Lab I.D.	Sample Datw	Sample Time	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	Total PCB
Regulatory Level (ug/L) *				0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Round 1											
#24 Stream Exit M2	5442.01	5/31/00	8:30	ND	ND	ND	ND	ND	ND	ND	ND
#24 Stream Exit M2	5449.06	6/1/00	15:14	ND	ND	ND	ND	ND	ND	ND	ND
Round 2											
#24 Stream Exit M2	5462.06	6/8/00	10:57	ND	ND	ND	ND	ND	ND	ND	ND
#24 Stream Exit M2	5474.01	6/14/00	8:56	ND	ND	ND	ND	ND	ND	ND	ND

* Regulatory level shown is higher of PQL and Ground Water Quality Criteria (GWQC) as per NJAC 7:9-6
All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
ND: Analyte Not Detected in Sample.
PQL: Practical Quantitation Limit

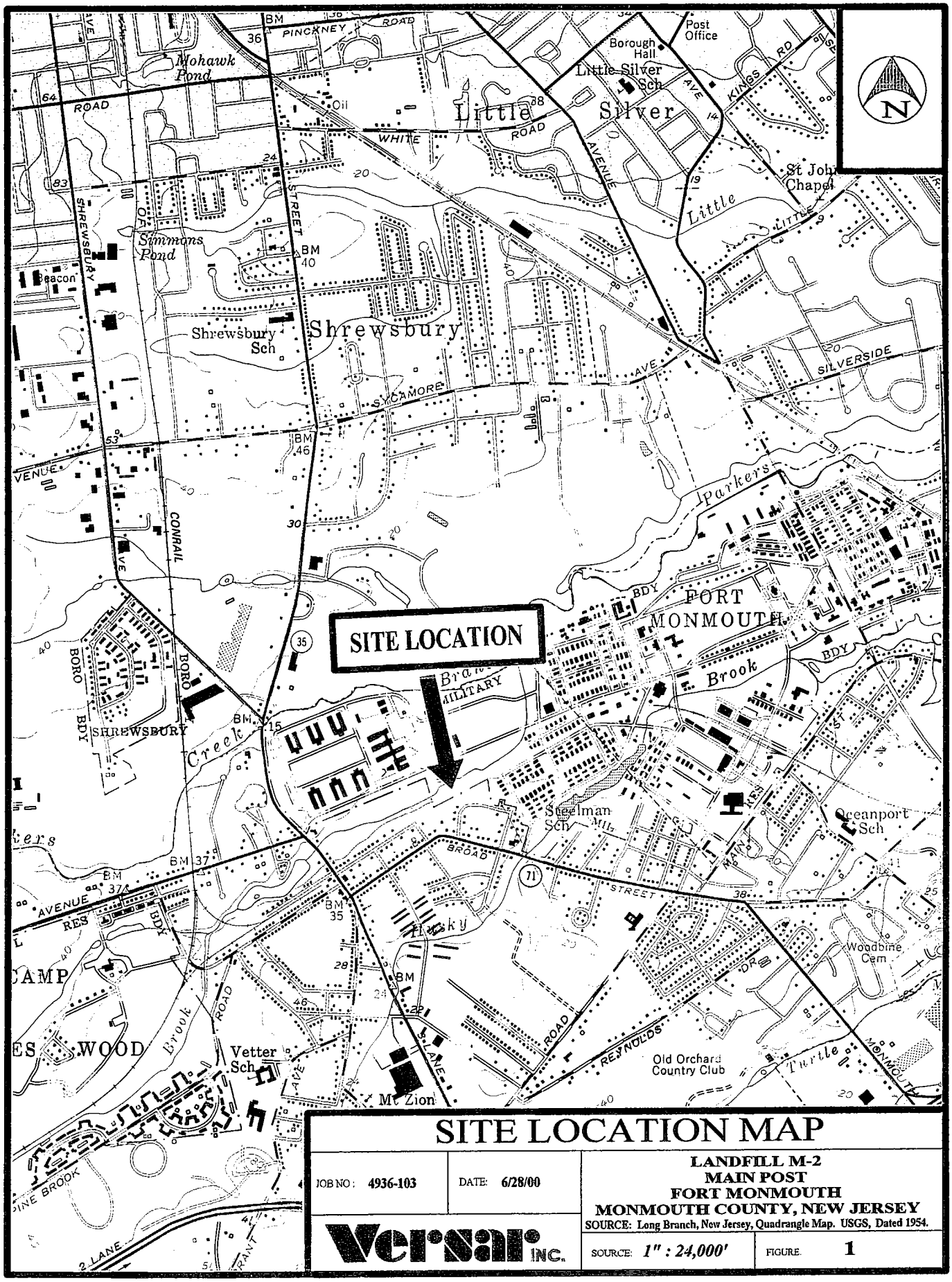
Table 8 (continued)
Additional Surface Water Sampling Results
PCB Analysis
May - June 2000
Main Post - M2 Landfill
Fort Monmouth, New Jersey

#23 Downgradient to Sediment Sample #11

Field ID Sample Location	Lab I.D.	Sample Datw	Sample Time	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	Total PCB
Regulatory Level (ug/L) *				0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Round 1											
#23 Below Sed. Sample #11	5442.03	5/31/00	8:37	ND	ND	ND	ND	ND	ND	ND	ND
#23 Below Sed. Sample #11	5449.05	6/1/00	15:02	ND	ND	ND	ND	ND	ND	ND	ND
Round 2											
#23 Below Sed. Sample #11	5462.05	6/8/00	11:02	ND	ND	ND	ND	ND	ND	ND	ND
#23 Below Sed. Sample #11	5474.03	6/14/00	9:06	ND	ND	ND	ND	ND	ND	ND	ND

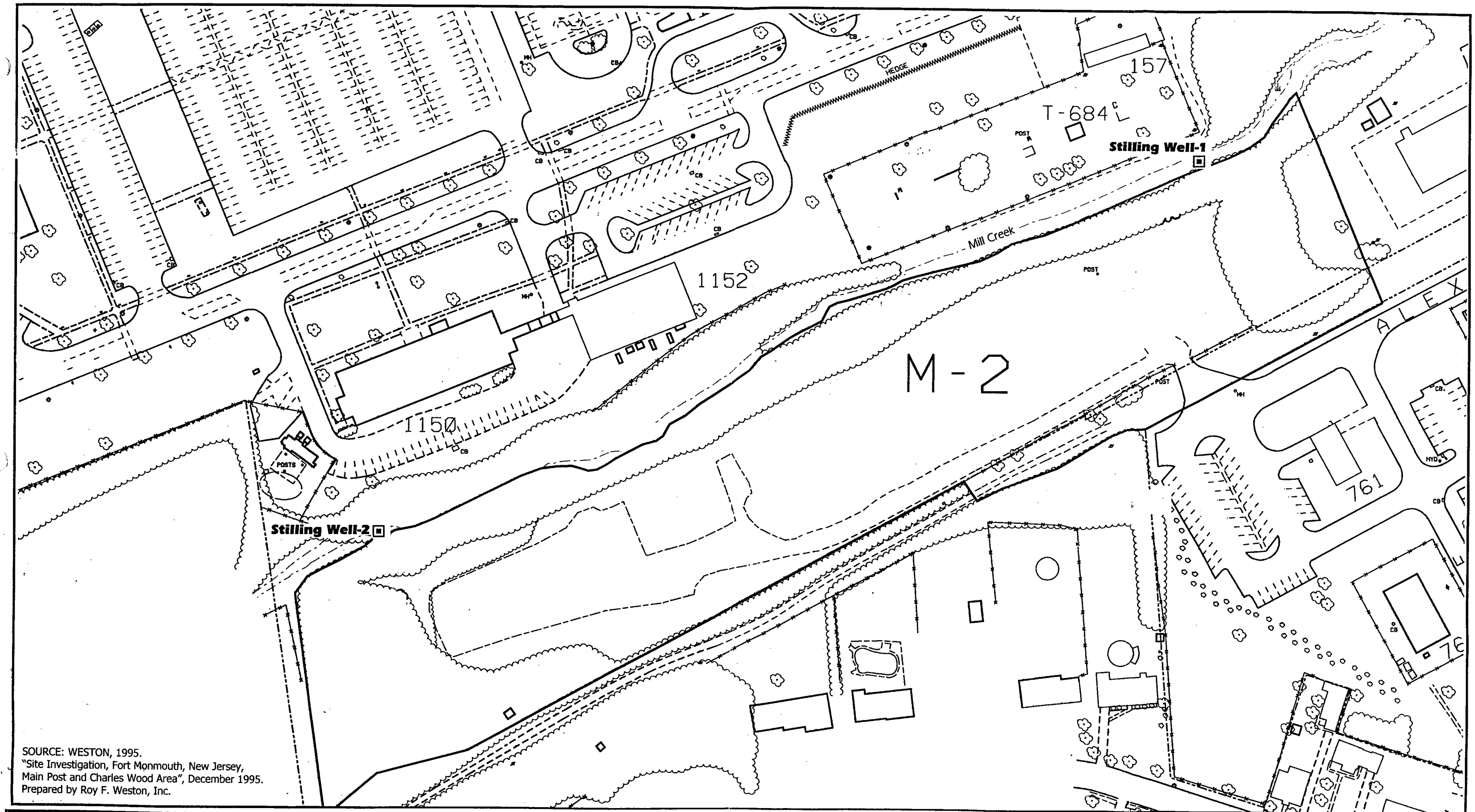
* Regulatory level shown is higher of PQL and Ground Water Quality Criteria (GWQC) as per NJAC 7:9-6
All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
ND: Analyte Not Detected in Sample.
PQL: Practical Quantitation Limit

FIGURES



SITE LOCATION MAP

JOB NO: 4936-103	DATE: 6/28/00	**LANDFILL M-2** **MAIN POST** **FORT MONMOUTH** **MONMOUTH COUNTY, NEW JERSEY** SOURCE: Long Branch, New Jersey, Quadrangle Map. USGS, Dated 1954.
Versar INC.		SOURCE: *1" : 24,000'* FIGURE: **1**



SOURCE: WESTON, 1995.
"Site Investigation, Fort Monmouth, New Jersey, Main Post and Charles Wood Area", December 1995.
Prepared by Roy F. Weston, Inc.

LEGEND

- Monitor Well
- Existing Surface Water Sampling Location
- Stilling Well
- Road (paved)
- Road/Trails (unpaved)
- Fence
- Building
- Wooded Area
- Tree/Bush
- Light Pole
- Utility Pole
- Site
- Brook/Creek
- Base Boundary
- Marshy Area
- Approximate Boundary

0 100 200
SCALE IN FEET

95P-3183 6/23/95

Fort Monmouth, Main Post

FIGURE 2
LANDFILL 2 (M-2)

Geologic Map of New Jersey

SEDIMENTARY ROCKS

CENOZOIC

Holocene: sand

Tertiary: sand, silt, clay

MESOZOIC

Cretaceous: sand, silt, clay

Jurassic: siltstone, shale, sandstone

Triassic: siltstone, shale, sandstone

PALEOZOIC

Devonian:conglomerate,sandstone,

Silurian: conglomerate,sandstone, shale, limestone

Ordovician: shale, limestone

Cambrian: limestone, sandstone

IGNEOUS AND METAMORPHIC ROCKS

MESOZOIC

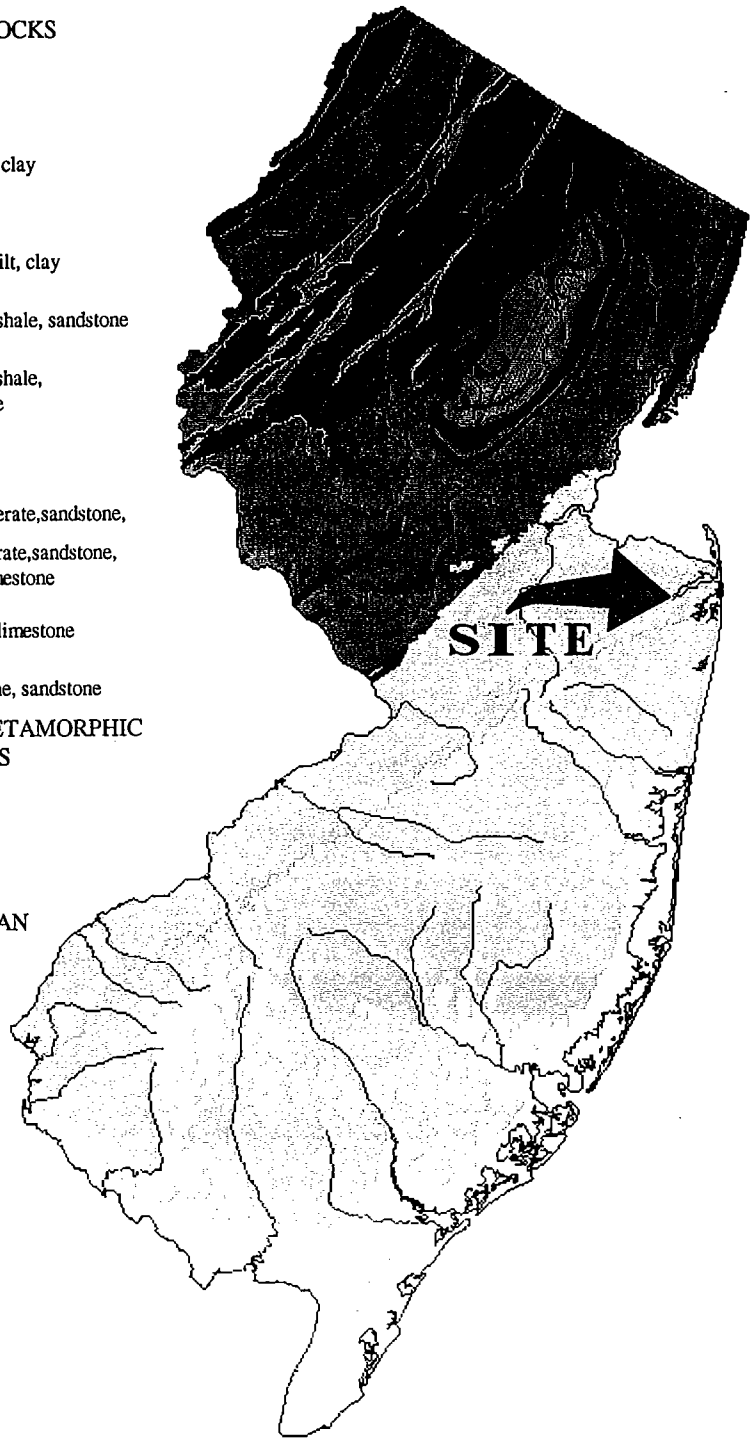
Jurassic: basalt

Jurassic: diabase

PRECAMBRIAN

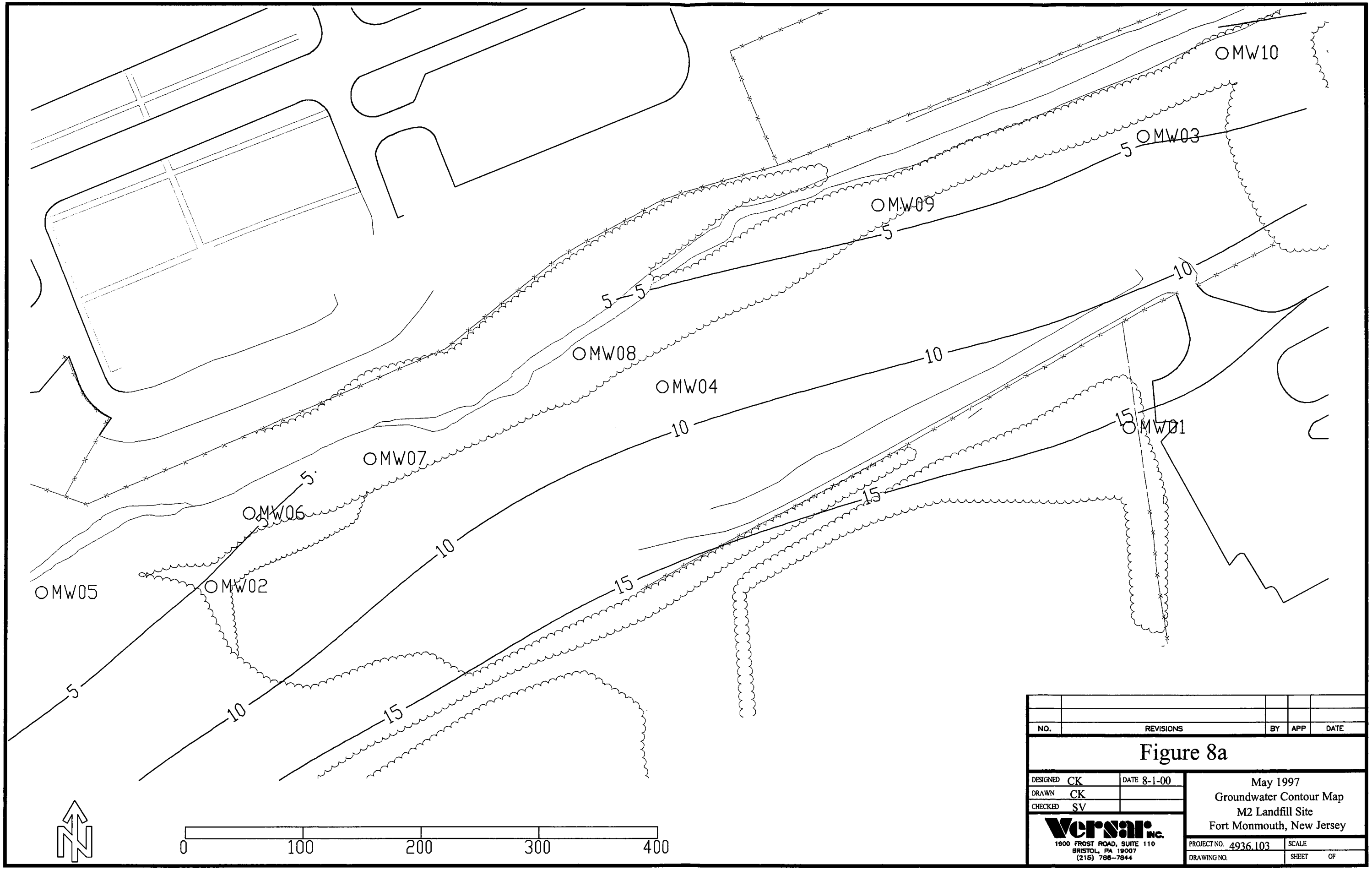
marble

gneiss, granite



GEOLOGICAL MAP

JOB NO.: 4936-103	DATE: 6/28/00	GEOLOGICAL MAP OF NEW JERSEY FORT MONMOUTH MONMOUTH COUNTY, NEW JERSEY
Versar INC.		FIGURE: 3



NO.	REVISIONS	BY	APP	DATE

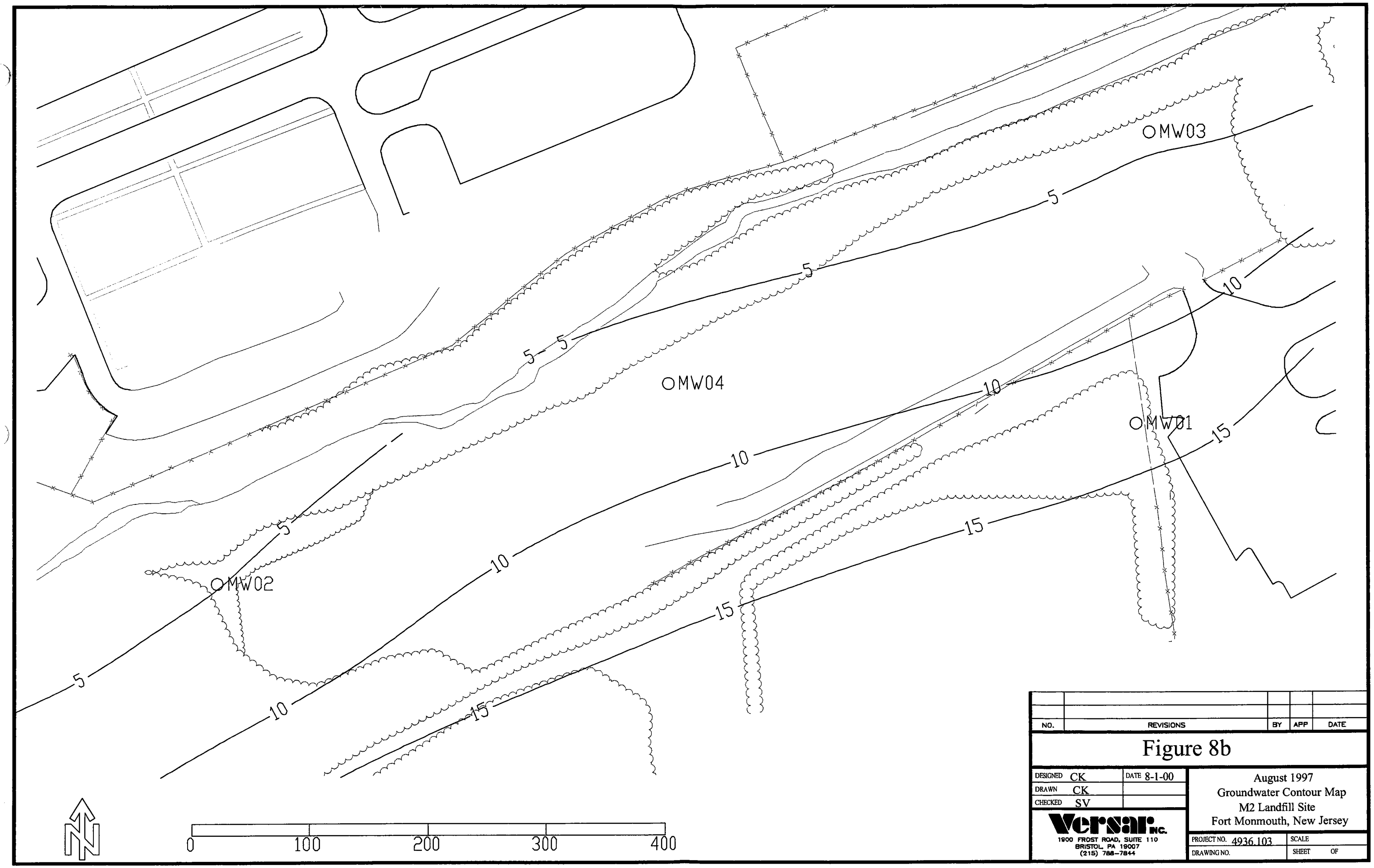
Figure 8a

DESIGNED CK DATE 8-1-00
DRAWN CK
CHECKED SV

Versar INC.
1900 FROST ROAD, SUITE 110
BRISTOL, PA 19007
(215) 788-7844

May 1997
Groundwater Contour Map
M2 Landfill Site
Fort Monmouth, New Jersey

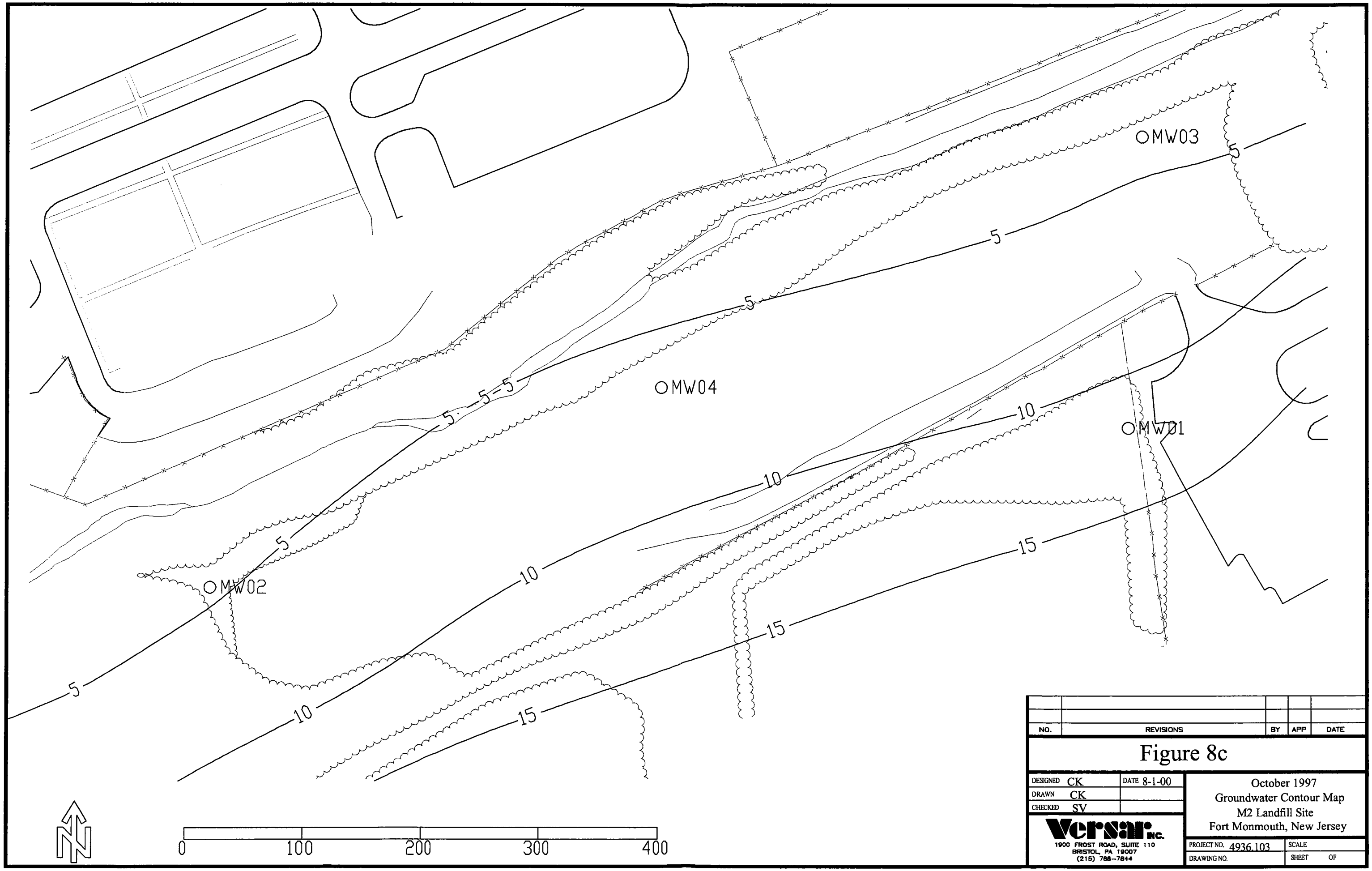
PROJECT NO. 4936.103 SCALE
DRAWING NO. SHEET OF



NO.	REVISIONS	BY	APP	DATE

Figure 8b

DESIGNED CK	DATE 8-1-00	August 1997 Groundwater Contour Map M2 Landfill Site Fort Monmouth, New Jersey	
DRAWN CK			
CHECKED SV			
Versar INC. 1900 FROST ROAD, SUITE 110 BRISTOL, PA 19007 (215) 788-7844		PROJECT NO. 4936.103	SCALE
		DRAWING NO.	SHEET OF



NO.	REVISIONS	BY	APP	DATE

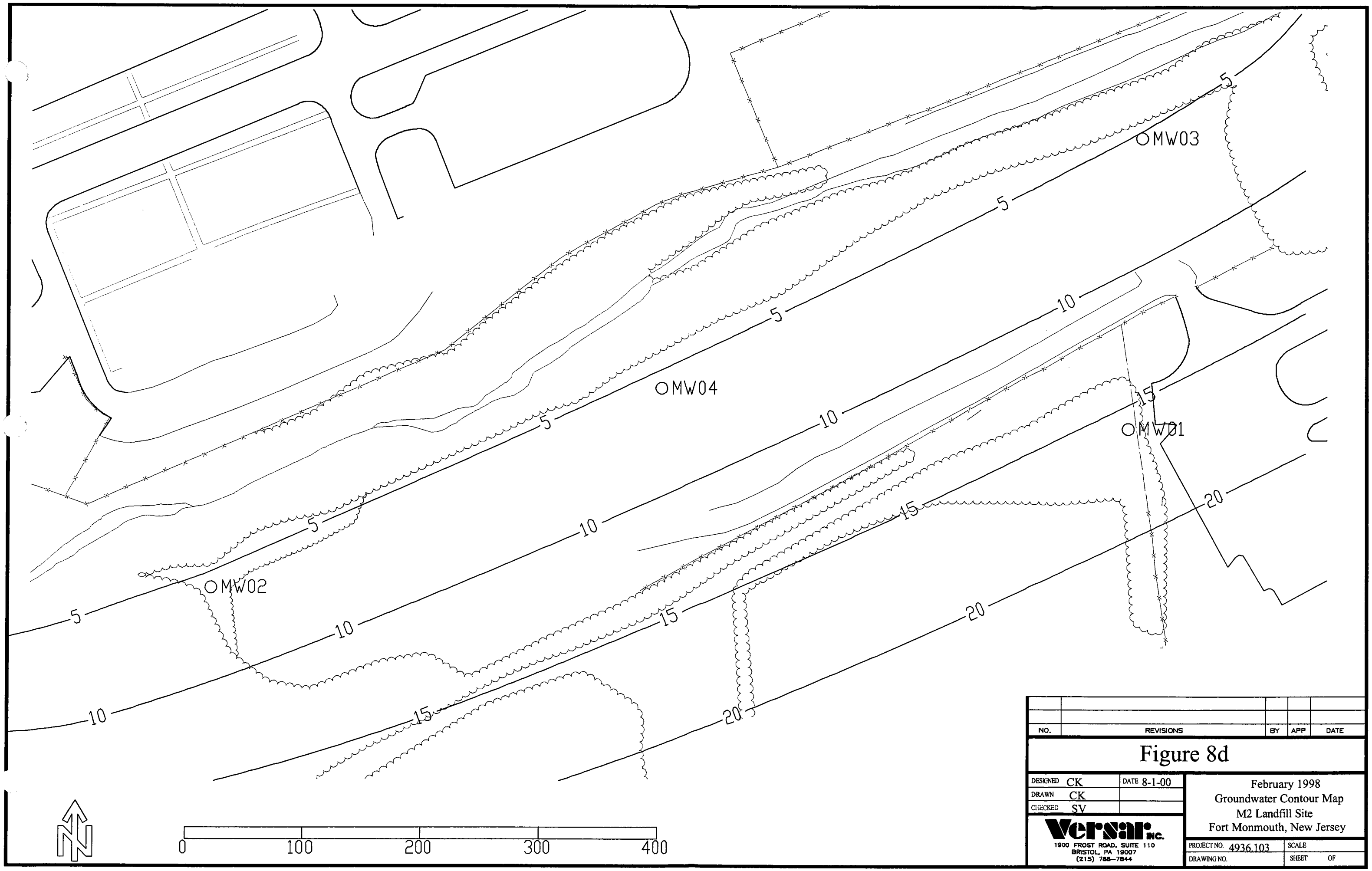
Figure 8c

DESIGNED CK	DATE 8-1-00
DRAWN CK	
CHECKED SV	

Versar INC.
1900 FROST ROAD, SUITE 110
BRISTOL, PA 19007
(215) 788-7844

October 1997
Groundwater Contour Map
M2 Landfill Site
Fort Monmouth, New Jersey

PROJECT NO. 4936.103	SCALE
DRAWING NO.	SHEET OF



NO.	REVISIONS	BY	APP	DATE

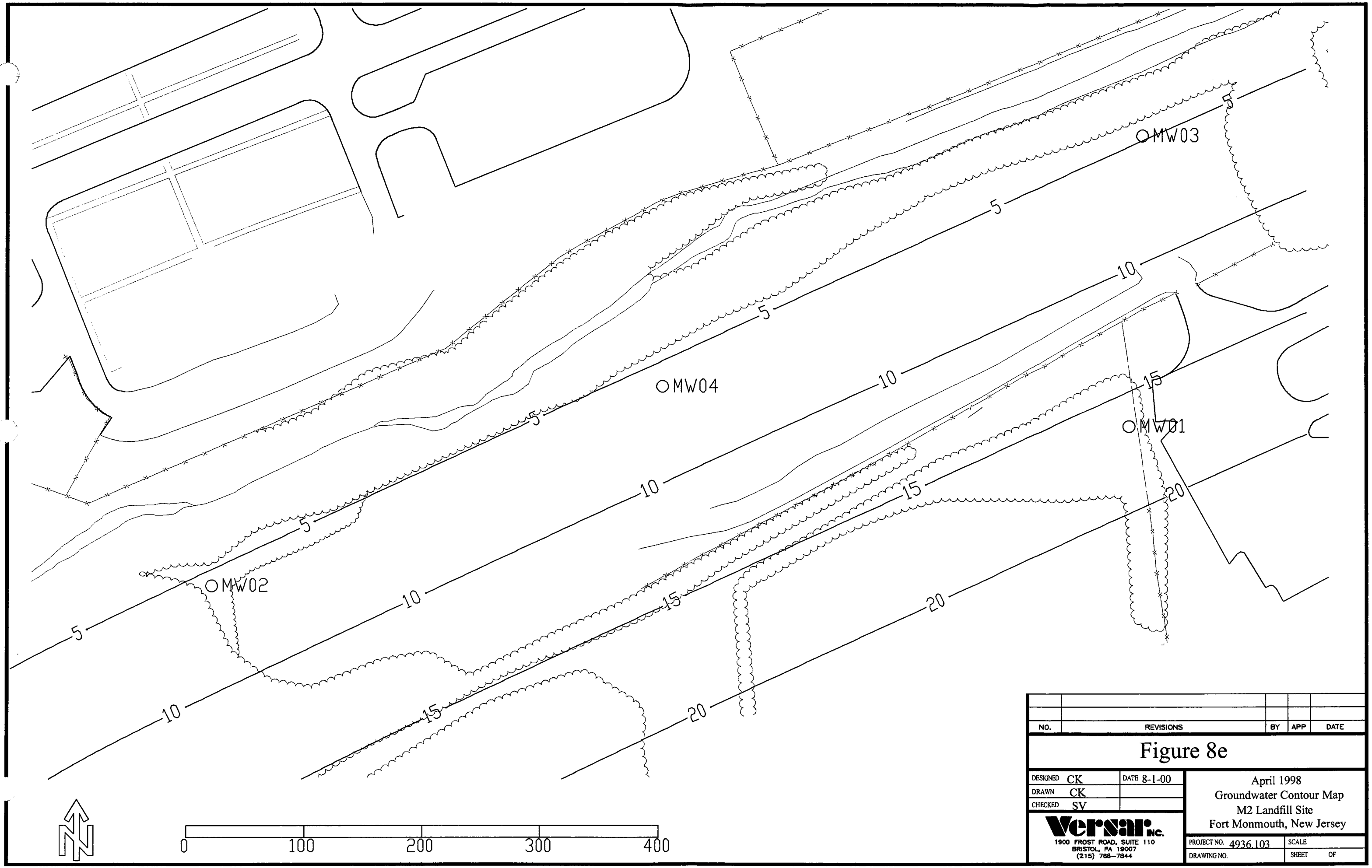
Figure 8d

DESIGNED	CK	DATE	8-1-00
DRAWN	CK		
CHECKED	SV		

Versar INC.
1900 FROST ROAD, SUITE 110
BRISTOL, PA 19007
(215) 788-7844

February 1998
Groundwater Contour Map
M2 Landfill Site
Fort Monmouth, New Jersey

PROJECT NO.	4936.103	SCALE	
DRAWING NO.		SHEET	OF



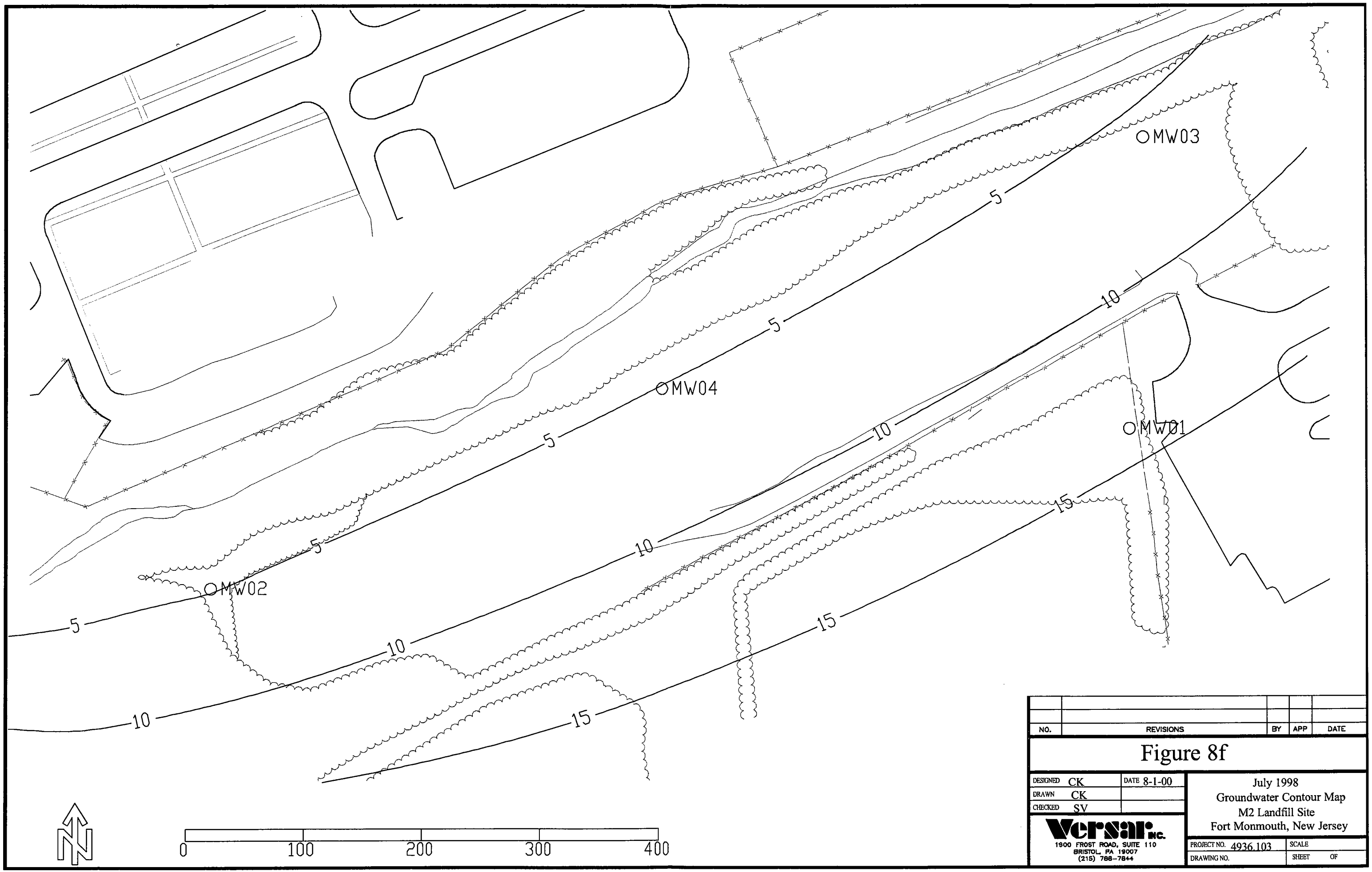
NO.	REVISIONS	BY	APP	DATE

Figure 8e

DESIGNED	CK	DATE 8-1-00	April 1998 Groundwater Contour Map M2 Landfill Site Fort Monmouth, New Jersey
DRAWN	CK		
CHECKED	SV		

Versar INC.
1900 FROST ROAD, SUITE 110
BRISTOL, PA 19007
(215) 788-7844

PROJECT NO. 4936.103		SCALE	
DRAWING NO.		SHEET	OF



NO.	REVISIONS	BY	APP	DATE

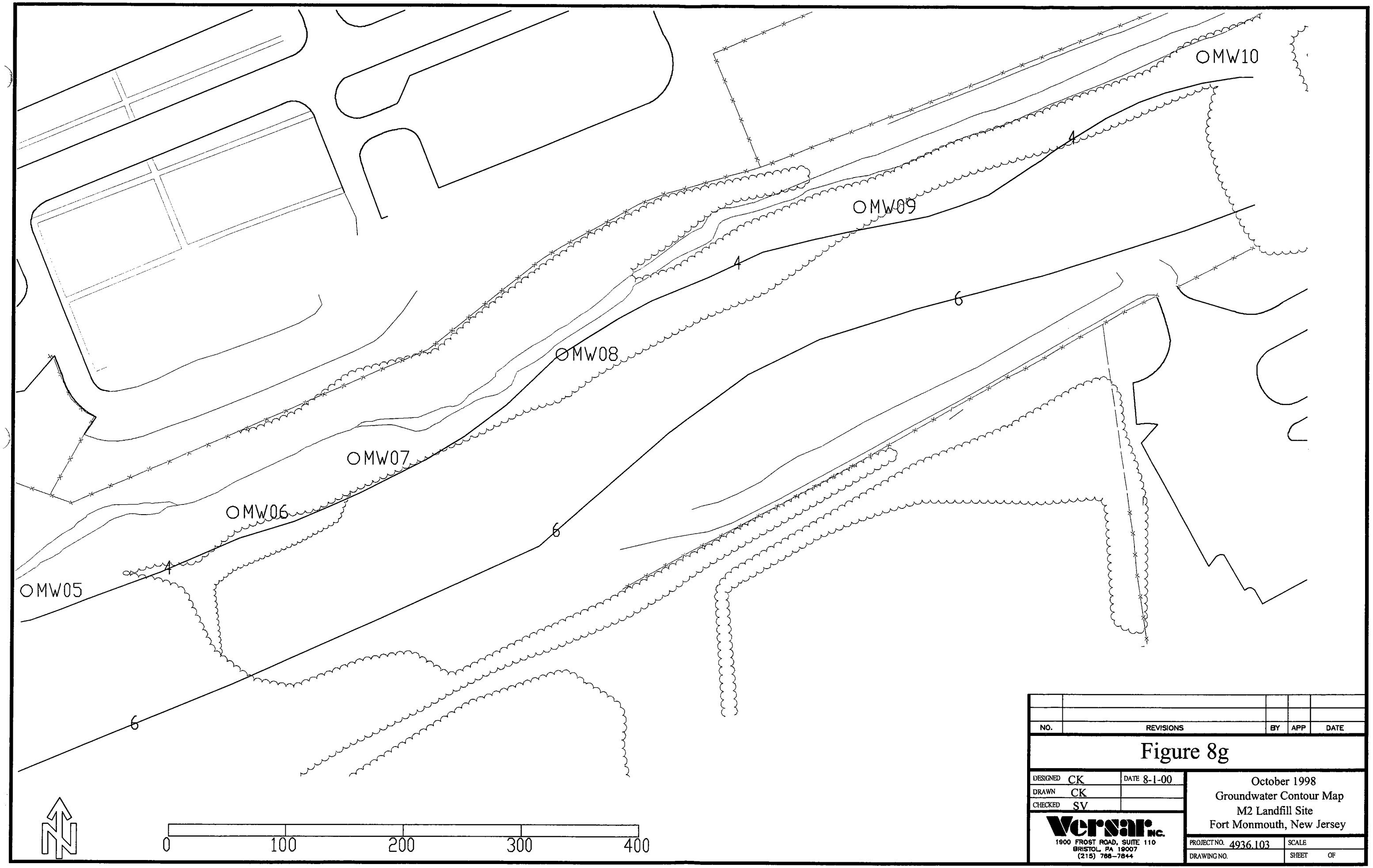
Figure 8f

DESIGNED CK	DATE 8-1-00
DRAWN CK	
CHECKED SV	

Versar INC.
1900 FROST ROAD, SUITE 110
BRISTOL, PA 19007
(215) 788-7844

July 1998
Groundwater Contour Map
M2 Landfill Site
Fort Monmouth, New Jersey

PROJECT NO. 4936.103	SCALE
DRAWING NO.	SHEET OF



NO.	REVISIONS	BY	APP	DATE

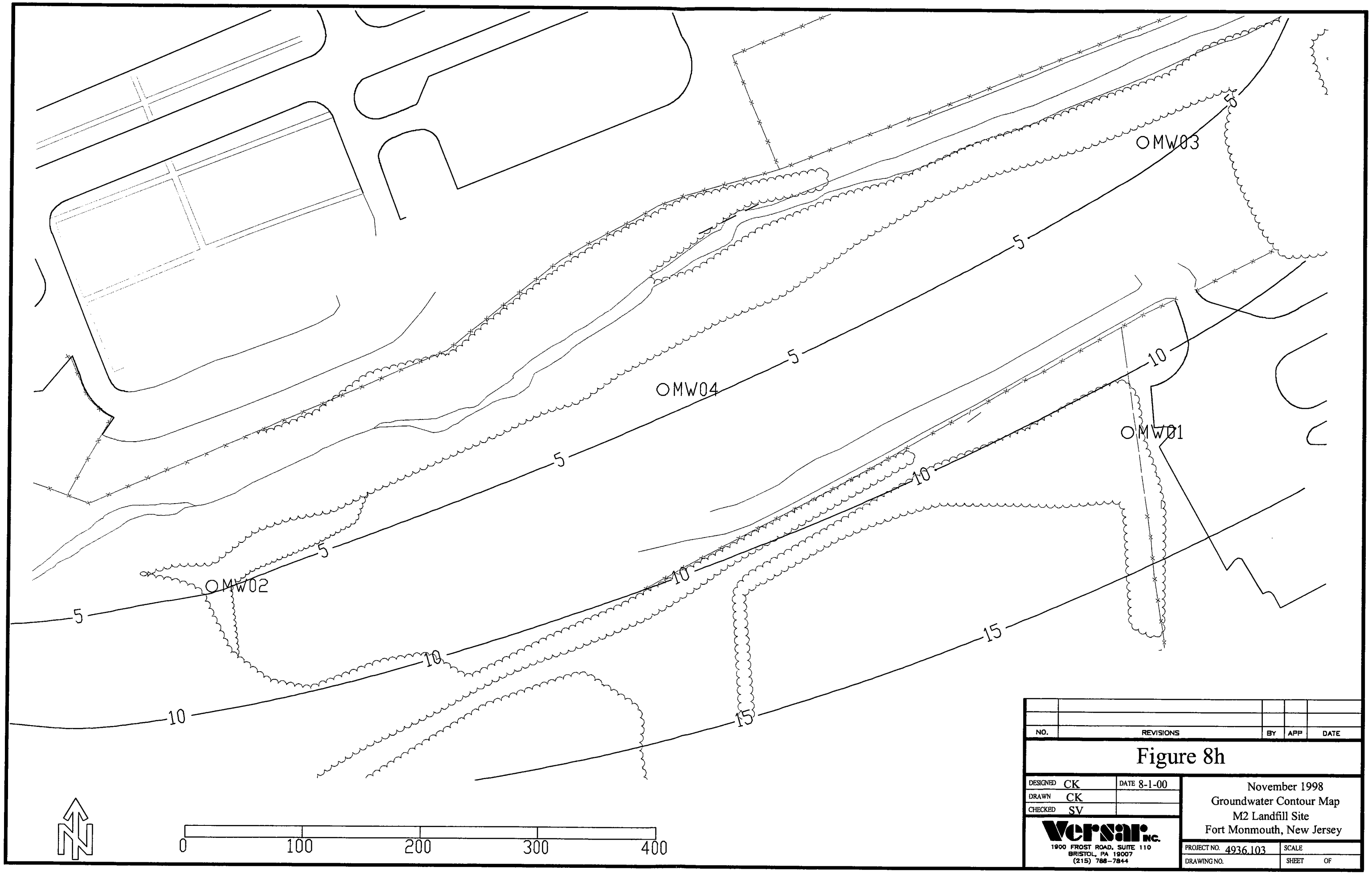
Figure 8g

DESIGNED	CK	DATE	8-1-00
DRAWN	CK		
CHECKED	SV		

Versar INC.
1900 FROST ROAD, SUITE 110
BRISTOL, PA 19007
(215) 788-7844

October 1998
Groundwater Contour Map
M2 Landfill Site
Fort Monmouth, New Jersey

PROJECT NO. 4936.103	SCALE
DRAWING NO.	SHEET OF



NO.	REVISIONS	BY	APP	DATE

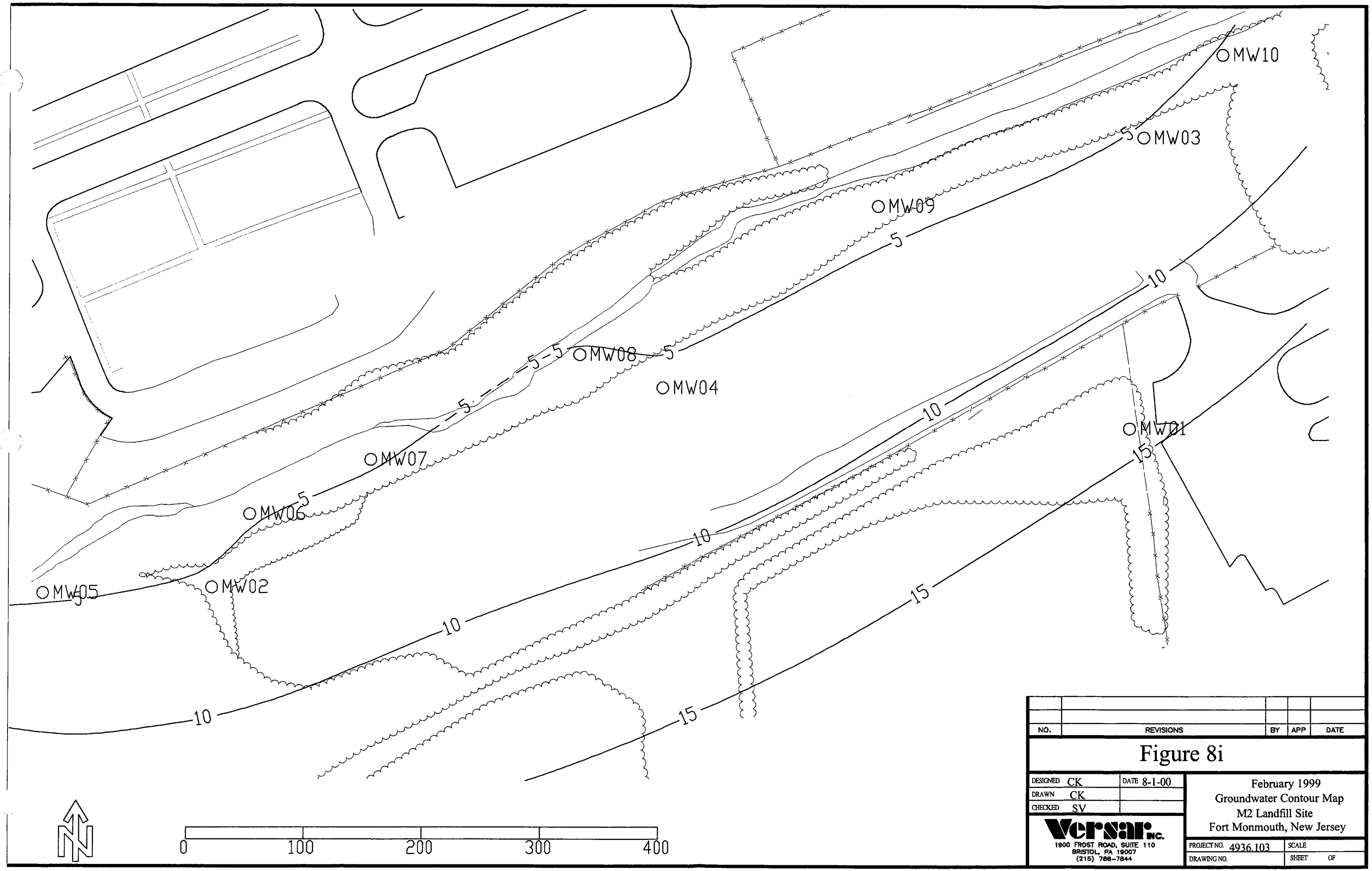
Figure 8h

DESIGNED	CK	DATE	8-1-00
DRAWN	CK		
CHECKED	SV		

November 1998
Groundwater Contour Map
M2 Landfill Site
Fort Monmouth, New Jersey

Versar INC.
1900 FROST ROAD, SUITE 110
BRISTOL, PA 19007
(215) 788-7844

PROJECT NO.	4936.103	SCALE	
DRAWING NO.		SHEET	OF



NO.	REVISIONS	BY	APP	DATE

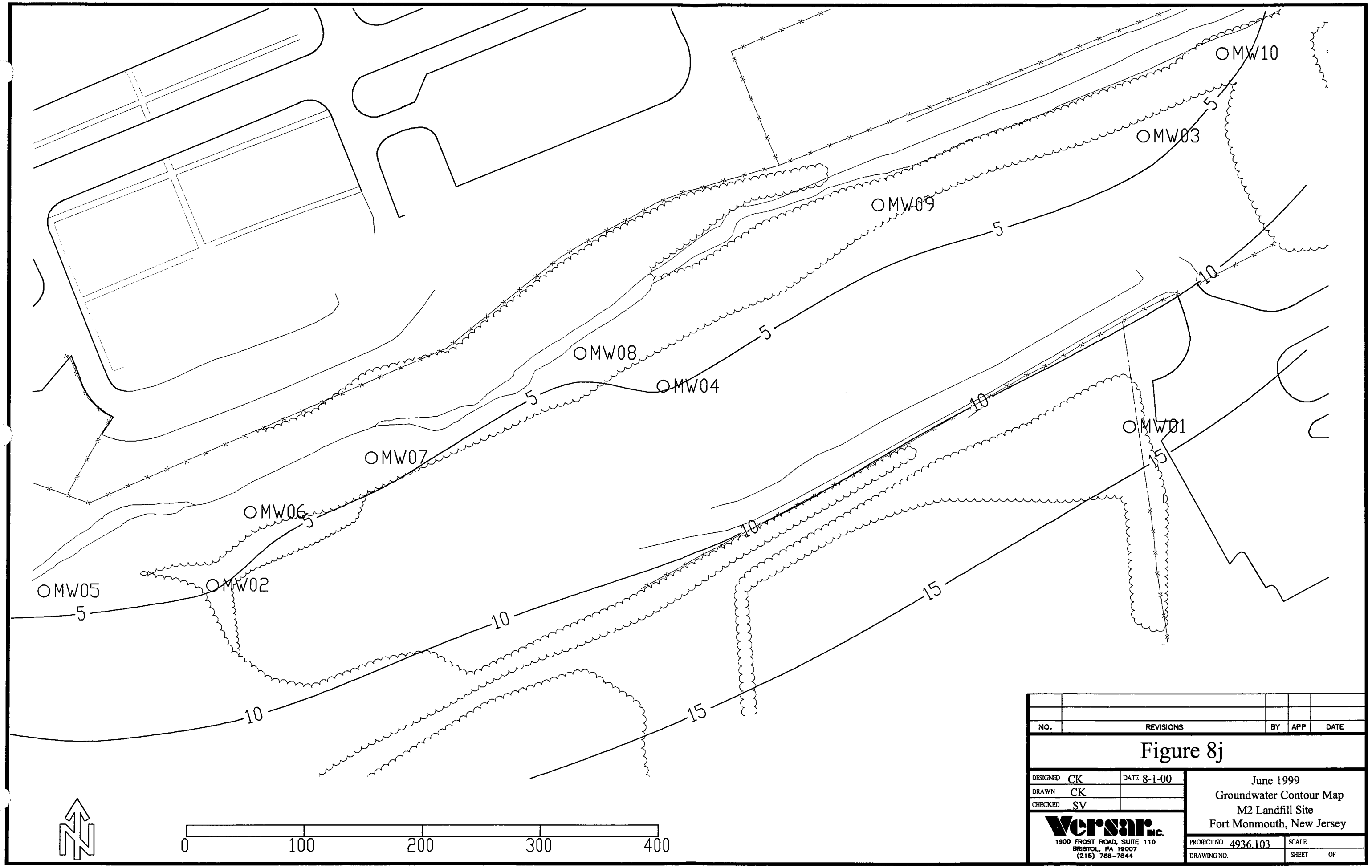
Figure 8i

DESIGNED	CK	DATE	8-1-00
DRAWN	CK		
CHECKED	SV		

Versar INC.
1900 FROST ROAD, SUITE 110
BRISTOL, PA 19007
(215) 788-7844

February 1999
Groundwater Contour Map
M2 Landfill Site
Fort Monmouth, New Jersey

PROJECT NO.	4936.103	SCALE	
DRAWING NO.		SHEET	OF



NO.	REVISIONS	BY	APP	DATE

Figure 8j

DESIGNED CK DATE 8-1-00
DRAWN CK
CHECKED SV

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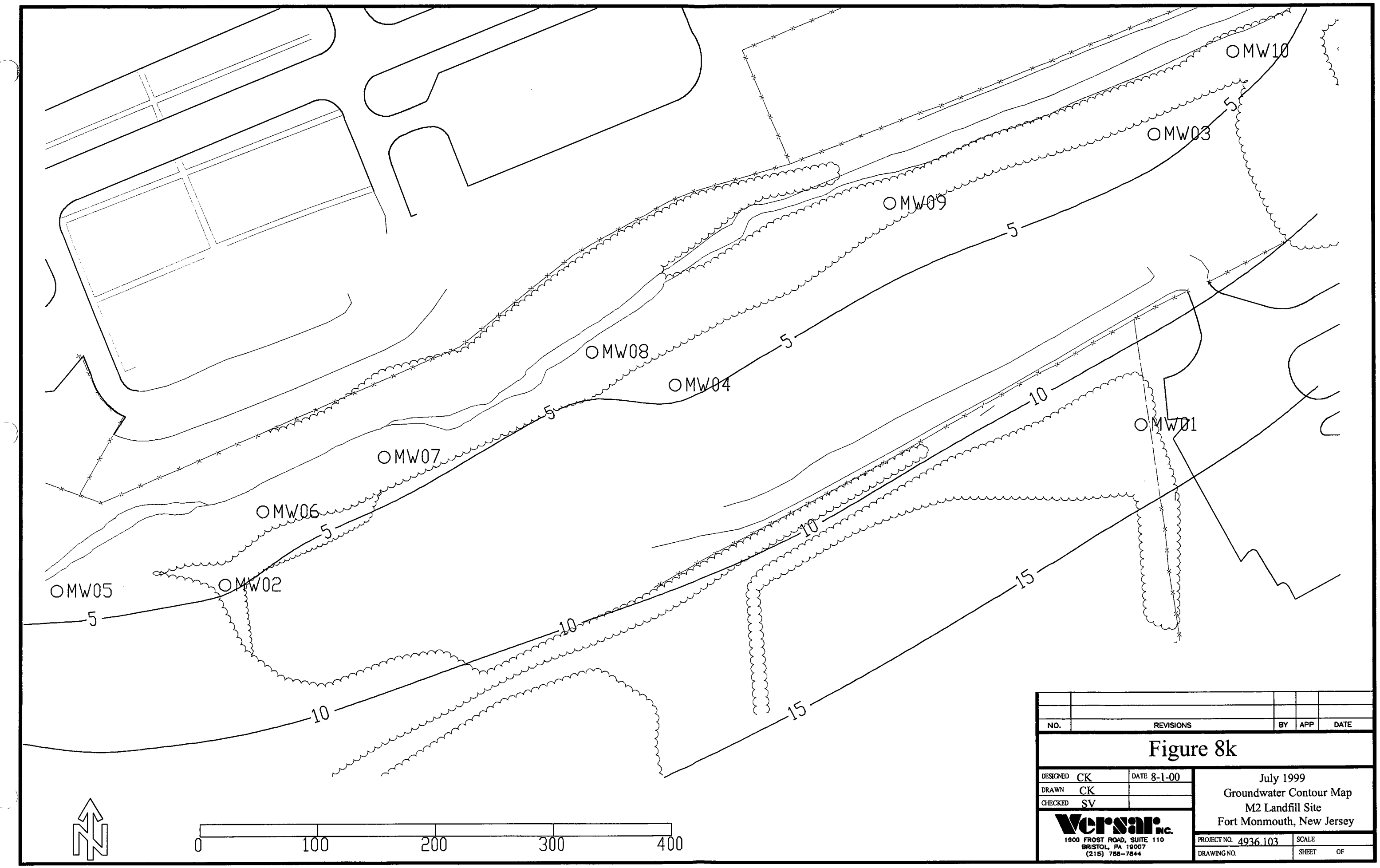
June 1999
Groundwater Contour Map
M2 Landfill Site
Fort Monmouth, New Jersey

PROJECT NO. 4936.103 SCALE
DRAWING NO. SHEET OF



NO.	REVISIONS	BY	APP	DATE

Figure 8k

DESIGNED	CK	DATE	8-1-00
DRAWN	CK		
CHECKED	SV		

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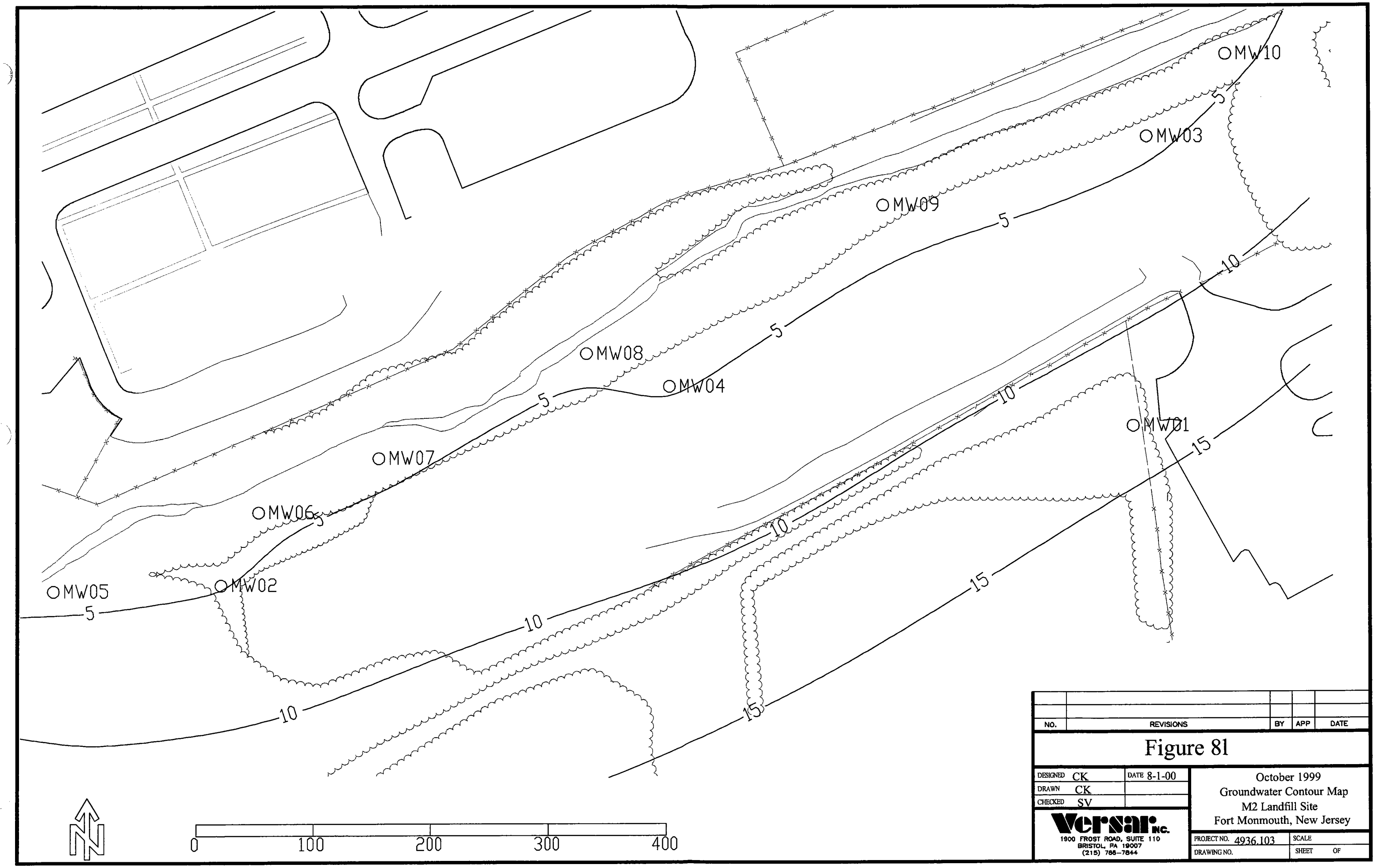
July 1999
Groundwater Contour Map
M2 Landfill Site
Fort Monmouth, New Jersey

PROJECT NO.	4936.103	SCALE	
DRAWING NO.		SHEET	OF



NO.	REVISIONS	BY	APP	DATE

Figure 81

DESIGNED CK	DATE 8-1-00	October 1999
DRAWN CK		Groundwater Contour Map
CHECKED SV		M2 Landfill Site
		Fort Monmouth, New Jersey

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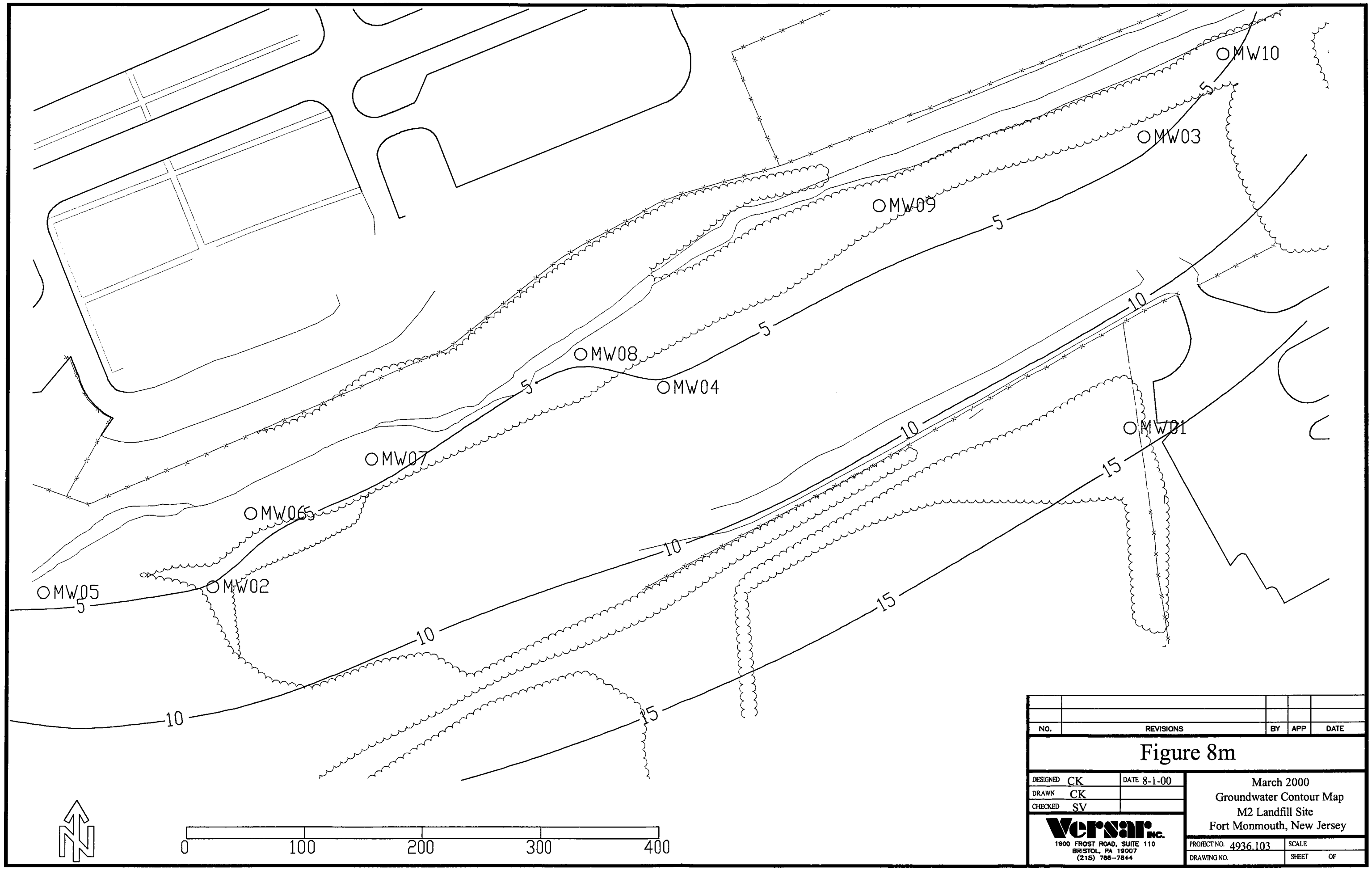
PROJECT NO. 4936.103 | SCALE
DRAWING NO. | SHEET OF



NO.	REVISIONS	BY	APP	DATE

Figure 8m

DESIGNED CK DATE 8-1-00
DRAWN CK
CHECKED SV

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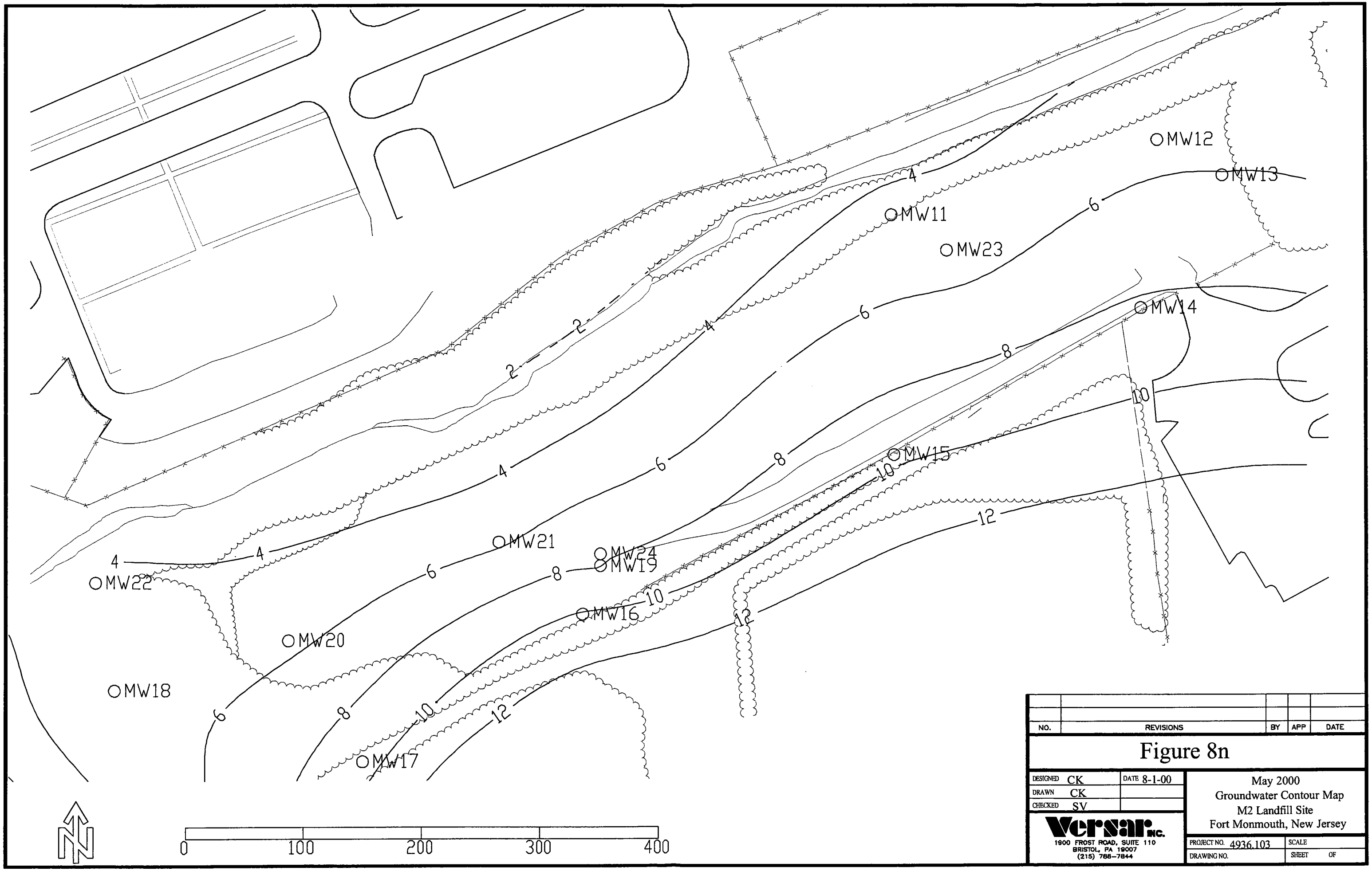
March 2000
Groundwater Contour Map
M2 Landfill Site
Fort Monmouth, New Jersey

PROJECT NO. 4936.103 SCALE
DRAWING NO. SHEET OF



NO.	REVISIONS	BY	APP	DATE

Figure 8n

DESIGNED CK
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DATE 8-1-00

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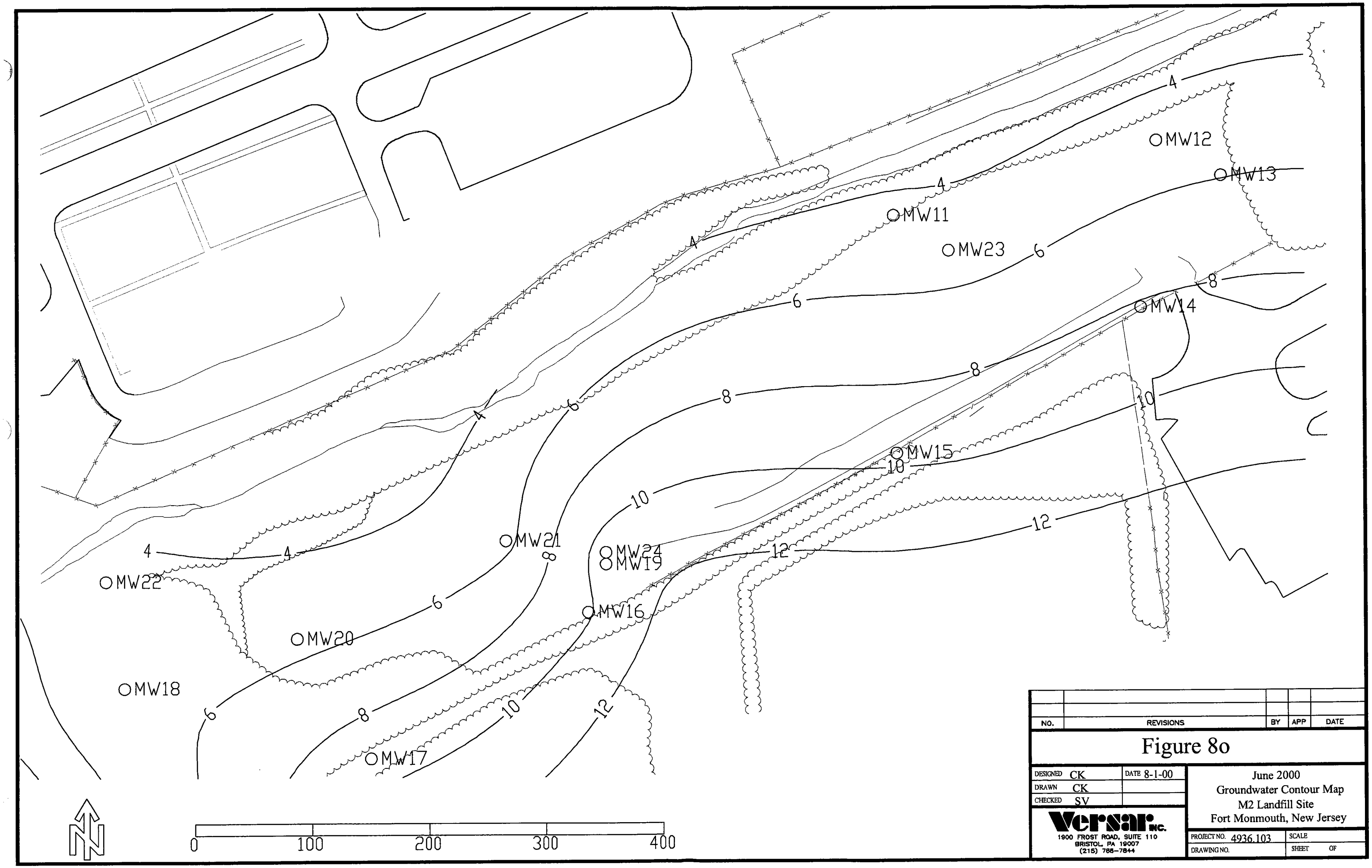
May 2000
Groundwater Contour Map
M2 Landfill Site
Fort Monmouth, New Jersey

PROJECT NO. 4936.103
SCALE
DRAWING NO.
SHEET OF



NO.	REVISIONS	BY	APP	DATE

Figure 8o

DESIGNED CK DATE 8-1-00
DRAWN CK
CHECKED SV

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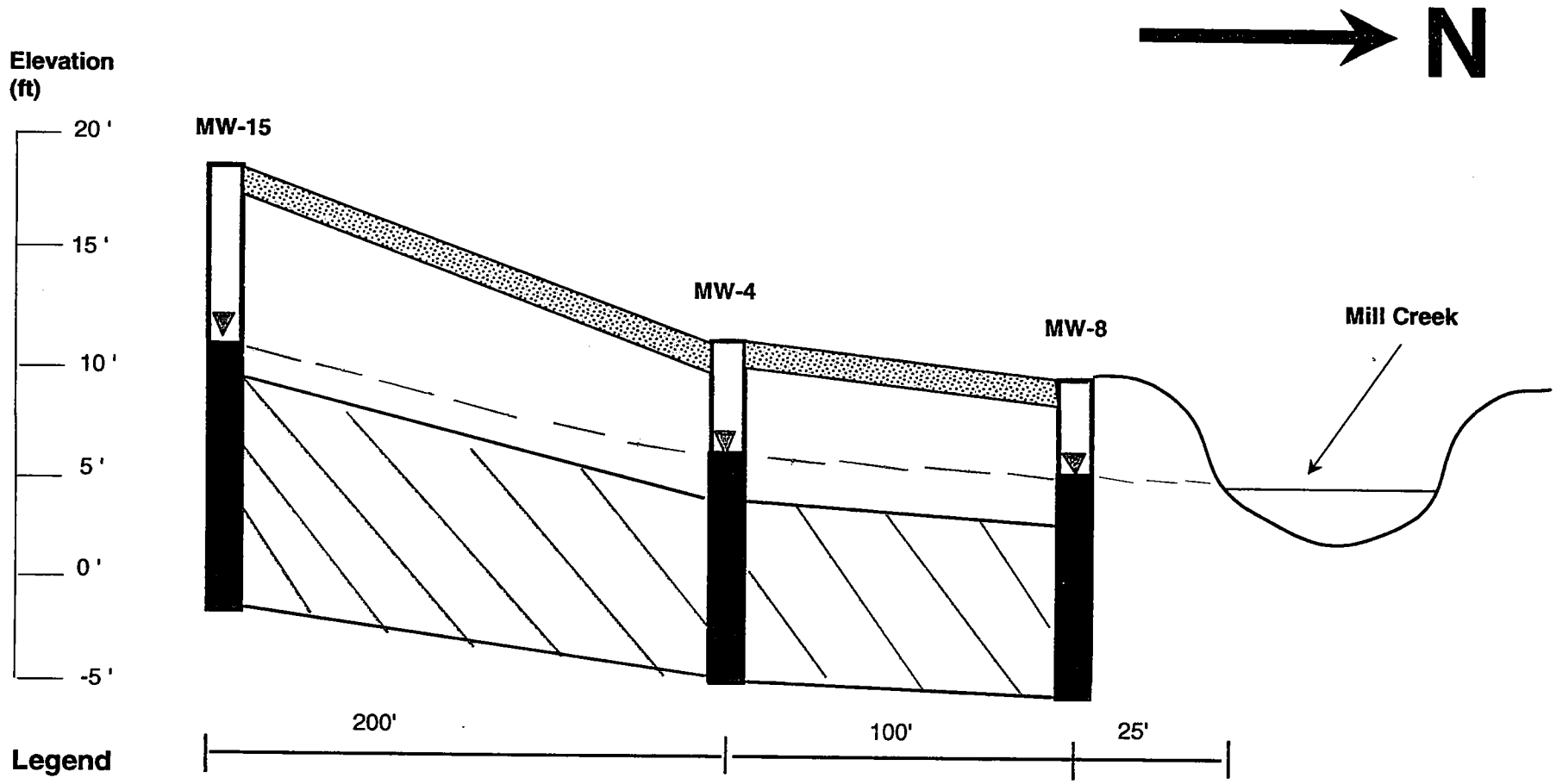
June 2000
Groundwater Contour Map
M2 Landfill Site
Fort Monmouth, New Jersey

PROJECT NO. 4936.103 SCALE
DRAWING NO. SHEET OF



Legend

- Surface Soil Organic Material/ Silty Sands
- Fill Organic Material/ Silty Sands
- Silty Sands and Clay/ Organic Material

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1900 Frost Road, Suite 110
Bristol, PA 19007
(215) 788-7844

Figure 12
Geologic Cross-Section Schematic
M-2 Landfill

Main Post
Fort Monmouth
New Jersey

Appendix B

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

4.2.2 Landfill 2 (M-2)

4.2.2.1 Site Location

Landfill 2 (M-2) is located in the southwestern corner of the Main Post, on the south bank of Mill Creek (Figures 4.2-1 and 4.2-3). The approximate area of Landfill 2 is 280,400 ft^2 (6.5 acres).

4.2.2.2 Site History

According to the Installation Assessment (IA) (USATHAMA, 1980), Landfill 2 was in use between 1964 and 1968. A review of aerial photographs suggests that the landfill was still in use in 1969. The 1969 aerial photograph shows that the western three-quarters of the site is mostly bare ground with abundant wheel tracks; a 50- by 300-ft area in the center of this western area is covered with small piles of debris; vegetation is visible between some of the piles, suggesting that the piles had been there for some time. The eastern quarter of the site is vegetated; a small square building and a steel storage igloo were located near the entrance to the landfill. At present, the Landfill 2 area is used for storage of wood chips.

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 (IA). According to the IA, specific wastes known to have been put in Landfill 2 include oil in cans, oil burner filters (with approximately 0.5 liter of oil in each), and soot. The banks along Mill Creek near the west end of Landfill 2 were reportedly covered with building rubble (concrete, cinder blocks, etc.) to stabilize the bank. Metal and concrete protrude from the banks of Mill Creek.

As part of a New Jersey Pollutant Discharge Elimination System (NJPDES) permit (permit No. 0057274), surface-water samples have been taken at two locations in Mill Creek since February 1986. The results are summarized in the recent report (WESTON, 1993). Two VOCs

(tetrachloroethene and trichloroethene) were detected in concentrations above the NJDEP surface-water criteria.

4.2.2.3 Sampling Effort

To identify the source of the halogenated hydrocarbons (HHCs) detected in surface-water samples collected from a previous investigation (WESTON, 1993), two new surface-water samples (M2SW-1 and M2SW-2) were collected (Figures 4.2-2 and 4.2-3). In addition, three shallow monitor wells (MW-1, MW-2, and MW-3) were installed. Monitor well locations (MW-1 through MW-3) and surface-water locations are presented in Figure 4.2-3. Tidal water-level monitoring was conducted for a minimum of 72 hours in the three monitor wells and at stilling well-1 and stilling well-2 prior to the collection of analytical samples. Two rounds of groundwater samples and one round of surface-water samples were analyzed for TCL +30 parameters (which include VOCs, SVOCs, pesticides, and PCBs), TAL metals, and cyanide.

4.2.2.4 Hydrogeologic Interpretation

Lithologic logs from MW-2 and MW-3 indicate that the lithology consists of a thin soil cover (0.2 ft) underlain by fill material. The components of the filled materials observed in both borings consist of coal and wood fragments, roof shingles, paper, and miscellaneous debris. Natural quartz sand, silt, and clays were intermixed with the manmade materials. Monitor well MW-1, located upgradient of the landfill boundary, indicates a lithology consisting primarily of silty medium-fine-grained sand that overlies a fine-medium-grained sandy silt.

Groundwater saturation was observed at approximately 8 ft bgs at all of the well locations. The three monitor wells were screened across the water table, with total depths of 23, 18, and 16 feet bgs in MW-1, MW-2, and MW-3, respectively. Water-level elevation data, measured on 6 March 1995, indicate that local groundwater flow is north toward Mill Creek (Figure 4.2-4). Based on groundwater elevation measurements, monitor wells MW-2 and MW-3 are downgradient of the M-2 area.

4.2.2.5 Groundwater Sampling Results

Monitor wells at site M-2 were sampled for the analytical parameters listed in Table 3.8-1. The analytical results in groundwater samples from the individual sampling rounds are listed in Appendix D. Table 4.2-3 compares the average concentrations of the detected compounds from the February and March sampling rounds with the NJDEP Groundwater Quality Criteria (GWQC), and then compares the results to the subsequent site-specific maximum background and/or Monmouth County background concentrations, where appropriate. Figure 4.2-5 presents the locations and averaged concentrations of compounds detected above both the NJDEP GWQC and the background concentrations established for the Main Post.

VOCs

Chlorobenzene was the only VOC detected in site M-2 groundwater (Figure 4.2-5). However, chlorobenzene was detected in concentrations exceeding the NJDEP GWQC from both sampling rounds in MW-2 and MW-3. Chlorobenzene was not detected in the February sampling round in MW-1, but was detected in the March sampling round in exceedance of the NJDEP GWQC.

SVOCs

SVOCs were not detected in site monitor wells above laboratory quantitation limits from either sampling round.

Pesticides/PCBs

Pesticides/PCBs were not detected in site monitor wells from either sampling round.

Metals

As indicated in Table 4.2-3, of the 20 metals detected in site groundwater, only 5 (aluminum, arsenic, iron, manganese, and lead) were found in concentrations exceeding the NJDEP GWQC.

Table 4.2-3
Fort Monmouth - Main Post
Summary of Average Concentrations of Detected Compounds in Groundwater - Site M-2

COMPOUND	METHOD DETECTION LIMIT (µg/L)	NJDEP GROUNDWATER QUALITY CRITERIA (µg/L)	MAXIMUM BACKGROUND CONCENTRATIONS (µg/L)	ANALYTICAL RESULTS (µg/L) SAMPLING DATE		
				MW1 2/15/95, 3/8/95 (avg.)	MW2 2/15/95, 3/8/95 (avg.)	MW3 2/15/95, 3/8/95 (avg.)
VOC's (µg/L)						
Chlorobenzene	2.7	4	ND	**17.5**	**29**	**10**
SVOCs (µg/L)						
1,4-Dichlorobenzene	4.8	75	ND	ND	3J	ND
4-Methylphenol	12.9	NLE	ND	ND	4J	ND
Naphthalene	8.4	NLE	ND	ND	3J	ND
2-Methylnaphthalene	8.7	NLE	ND	ND	2J	ND
METALS TOTAL (µg/L)						
Aluminum	24	200	121000	**5355 R**	**2061.5**	**1616.5**
Arsenic	1.9	8*	89.3	**8.95**	4.325	3.4
Barium	1.7	2000	699	135	440.5	105.55
Beryllium	0.9	20*	7[1]	0.775	ND	ND
Calcium	10.4	NLE	45400	14150	89350	64550
Cadmium	2.8	4	9.5	ND	2.7	ND
Cobalt	2.3	NLE	18.3	6.75	3.85	2.5
Chromium	2.9	100	191	66 R	22.5	15.25
Copper	1.9	1000	730[1]	5.3	6.575	5.85
Iron	6.4	300	431000	**15900 R**	**61250**	**20450**
Mercury	0.2	2	0.26	ND	0.25	0.195
Potassium	685	NLE	137000	7195	12000	11150
Magnesium	18.3	NLE	62700	8315	11400	5570
Manganese	1.8	50	480[1]	**78.55**	**286.5**	**483.5**
Sodium	30.5	50000	197000[1]	13100	10390	9170
Nickel	10.8	100	187	19.8	ND	ND
Lead	1.1	10*	22.7	4.4	**11.55**	**14.8**
Selenium	1.5	50	29.6	1.9	ND	ND
Vanadium	2.3	NLE	108	21.25	13.65	9.7
Zinc	3.8	5000	233	472	47.35	79.3

Compounds exceeding NJDEP groundwater quality criteria are noted by bold numbers.
NJDEP groundwater quality criteria consist of the higher number between the PQL or STANDARD
*PQL -Practical Quantitation Limit was used as the NJDEP groundwater quality criteria
NLE - No Level Established
ND - Indicates that the compound was not detected at the noted quantification limit
J - Indicates that the concentration value was estimated due to detection at or near the quantification limits
[1] - Monmouth County maximum background concentration.
R - Data rejected , URS the Data Validator

However, all five metals, with the exception of iron in MW-2 and manganese in MW-3, were found in concentrations below those determined for both site-specific and Monmouth County background at the Main Post. Although iron was found in samples collected from MW-2 in concentrations greater than the range established in the Monmouth County study, the concentrations were well below the site-specific maximum background concentration established at Main Post. Manganese was found in MW-3 in a concentration only slightly greater than the site-specific and Monmouth County background concentrations. As discussed in Subsection 4.1, groundwater flowing through glauconitic formations contains abundant manganese. In addition, manganese is a common metal found in tidally influenced environments. Therefore, manganese is not identified as a compound of concern.

Cyanide

Cyanide was not detected in site monitor wells from either sampling round.

4.2.2.6 Surface-Water Sampling Results

Figure 4.2-6 presents the Main Post surface-water and sediment sampling locations. Surface-water samples were collected from two locations at M-2: M2SW-1 and M2SW-2 (Figures 4.2-3 and 4.2-6). M2SW-1 is upgradient of M2SW-2. Both samples were determined to be freshwater, based on conductivity data, salinity data, and field observations. Total (unfiltered) and soluble (filtered) concentrations were compared to NJDEP freshwater criteria and background and are presented in Table 4.2-4.

VOCs

Two VOCs (tetrachloroethene and trichloroethene) were found in concentrations in the unfiltered samples greater than the NJDEP freshwater criteria and background at locations SW-1 and SW-2. Figure 4.2-5 presents the locations of the compounds detected above the established criteria and maximum background.

Table 4.2-4
Fort Monmouth - Main Post
Summary of Detected Compounds in Site Surface Water
Total and Soluble - Site M-2

COMPOUND	METHOD DETECTION LIMIT	NJDEP SURFACE WATER CRITERIA* FRESH WATER	MAXIMUM BACKGROUND CONCENTRATION (TOTAL)	MAXIMUM BACKGROUND CONCENTRATION (SOLUBLE)	ANALYTICAL RESULTS (µg/L) SAMPLING DATE - 12/1/1994			
					M2 (Total)		M2 (Soluble)	
					SW-1	SW-2	SW-1	SW-2
VOC's (µg/L)								
1,2-Dichloroethene (total)	4.4	592 (h)	ND	ND	3 J	2 J	NA	NA
Tetrachloroethene (PCE)	4.0	0.388 (hc)	ND	ND	**5 J**	**5 J**	NA	NA
Trichloroethene[1]	2.0	1.09 (hc)	ND	ND	**2 J**	**2 J**	NA	NA
SVOCs (µg/L)								
bis-(2-Ethylhexyl)phthalate	9.7	1.76 (hc)	ND	ND	ND	**4 J**	NA	NA
METALS TOTAL (µg/L)								
Aluminum	26.7	NLE	748	ND	258	263	ND	ND
Barium	2.1	2000 (h)	44.7	39.4	42.7	47	38.2	41.8
Calcium	12	NLE	31600	30900	18000	19400	17700	19000
Cobalt	2.4	NLE	8.1	4.1	4.5	4.8	4.1	ND
Copper	2.4	NLE	3.2	4	3.1	2.9	4.2	4.9
Iron	4.7	NLE	6210	405	2760	3020	493	681
Lead	1.6	5 (h)	10	ND	3.1	2.3	7.6	ND
Magnesium	38.2	NLE	5440	5120	2930	2860	2860	3070
Manganese	2.0	NLE	113	98.6	89.9	97.6	86.1	92.8
Nickel	12.8	516 (h)	22.9	16.1	ND	ND	14.7	ND
Potassium	821	NLE	5060	4280	2840	2860	2860	3180
Sodium	15.4	NLE	26700	26200	25400	27500	25200	26900
Zinc	2.8	NLE	35.1	23.8	29.1	19.4	19.4	21.1

1 - Same compound as listed by NJDEP tetrachloroethylene.
* NJDEP Surface Water Quality Standards (1993).
h -Non carcinogen effect-based human health criteria as a 30 day average.
hc - Carcinogen effect-based human health criteria as 70 year average.
ND - Indicates that the compound was not detected at the noted quantification limit.
J - Indicates that the concentration value was estimated due to detection at or near the quantification limit.
NLE - No Level Established.
NA - Not Analyzed.
Compounds detected above NJDEP Surface Water Criteria are noted by bold numbers.

SVOCs

Bis(2-ethylhexyl) phthalate was the only SVOC detected in site M-2 surface water. In addition, the compound was found in a concentration greater than the NJDEP freshwater criteria and background at location SW-2. Bis(2-ethylhexyl) phthalate is a common laboratory contaminant and can be attributed to sampling or laboratory contamination.

Pesticides/PCBs

Pesticides/PCBs were analyzed for but were not detected in site surface water.

Metals

Of the 13 metals detected in site surface water, only one (lead) was found in a concentration greater than the NJDEP freshwater criteria and maximum background. The compound exceeded the criteria in the filtered sample, but was not detected above criteria in the unfiltered sample (Figure 4.2-5).

4.2.2.7 Tidal Monitoring

Appendix E presents hydrographs of the comparisons between the monitor wells (MW-1 though MW-3) and the stilling wells (1 and 2) during the tidal monitoring tests.

Tidal fluctuations in Mill Creek and in site monitor wells were monitored at upstream tidal monitoring station (stilling well-2), downstream tidal monitoring station (stilling well-1), and site monitor wells (MW-1 through MW-3) (Figure 4.2-3). (Hydrographs are presented in Appendix E.) The tidal monitoring stations are approximately 2,400 ft apart. Changes in creek levels at the upstream location were compared to changes in water levels measured at well MW-2, and changes in creek levels at the downstream location were compared to changes in water levels measured at well MW-3. Wells MW-2 and MW-3 are approximately 150 feet from the creek.

Tidal fluctuations in the creek were also compared to water levels measured at well MW-1, approximately 1,100 feet from the creek. Monitor wells were screened below sea level.

The tidal monitoring data collected at Landfill 2 (M-2) suggest that the stream is influenced by incoming tides. Peaks representing the high tides at stilling well-1 and stilling well-2 are observed, but low tide peaks are not apparent because the elevation of the stream bed at Landfill 2 (M-2) is higher than the elevation of sea level at low tide. The streambed elevation is 1.37 feet above mean sea level (ft msl) at stilling well-1 and 1.28 ft msl at stilling well-2. The maximum change in creek stage at Landfill 2 (M-2) was 1.2 feet, and the maximum change in water level in the monitor wells was 0.2 foot.

Data collected from well MW-1 were useful as baseline data during the tidal monitoring study at Landfill 2 (M-2). The data suggest that there is no apparent tidal effect on the water levels at well MW-1 and creek levels measured at stilling well-1 or -2. Well MW-1 is approximately 1,100 feet from the creek and is too distant to be influenced by changing creek stage. Water levels in the water-bearing unit and creek levels declined by about 0.1 foot over the course of the monitoring study in March 1995.

The water levels recorded at MW-2 and MW-3 appear to be tidally influenced (see Appendix E). Water levels measured at both wells respond almost instantaneously to rising creek levels. The peak in water levels measured at both wells occurs approximately 20 to 40 minutes after the peak in creek stage. At both monitoring locations (stilling well-1, MW-2 and stilling well-2, MW-3) water-level peaks at each well are approximately 15% to 20% of the tidal peak in creek levels.

4.2.2.7.1 Conductivity and Salinity Results

Conductivity and salinity were measured in surface-water and groundwater samples at Landfill 2 (M-2) in January and March 1995, and are presented in tables in Appendix E. Measurements were collected at low tide and high tide each month to evaluate the extent of saltwater intrusion at each site. High conductivity and salinity readings indicate salty or brackish water, whereas low readings indicate freshwater.

The data indicate the presence of freshwater in the creek at Landfill 2 (M-2). Specific conductance measured in the creek at Landfill 2 (M-2) is consistently less than 240 μmhos. In addition, salinity measured in the creek at Landfill 2 (M-2) is consistently less than 0.2 parts per thousand (ppth). The results are consistent with the higher streambed elevation at Landfill 2 (M-2) when compared to Landfill 8 (M-8) and Landfills 12 and 14 (M-12, M-14).

Groundwater sampled from monitor wells MW-1 and MW-3 generally exhibits low conductivity and zero salinity, except well MW-2 at Landfill 2 (M-2). The moderate to high specific conductance at well MW-2 at Landfill 2 (M-2) is unexplained, but is likely caused by saltwater intrusion from Parkers Creek.

4.2.2.8 Recommendations

The surface-water sampling results indicate that two VOCs were detected at the two surface-water locations at concentrations greater than NJDEP surface-water criteria, and above maximum background concentrations. In addition, soluble lead was detected at a concentration greater than NJDEP criteria and the maximum background concentrations. Because the site formerly had an NJPDES permit (permit No. 0057274), surface water has been sampled since 1986. The results from the current round of surface-water sampling for VOCs are less than the maximum results from previous rounds.

Chlorobenzene was detected in the groundwater at concentrations exceeding the NJDEP GWQC and background in both downgradient monitor wells from both sampling rounds and in the upgradient well during one sampling round.

The results of the tidal monitoring indicate that there is no apparent relationship between the changing creek levels and the water levels in upgradient monitor well MW-1; however, a direct relationship was observed between changing creek levels and the water levels in downgradient monitor wells MW-2 and MW-3. Conductivity and salinity results indicate the presence of freshwater in the creek at site M-2. Freshwater was indicated at monitor wells MW-1 and

MW-3. A moderate to high specific conductance was measured at monitor well MW-2, which is unexplained.

Although groundwater sample results at site M-2 exceeded NJDEP criteria for one VOC, and surface-water results were slightly exceeded by two VOCs, immediate remedial action is not required for several reasons. Immediate remedial action is usually based on an immediate threat to human health. At this site, shallow groundwater flows toward and discharges to Mill Creek, as indicated by water-level measurements in site monitor wells. Also, there are no known uses of groundwater at or downgradient of the site. Although there is slight VOC contamination in Mill Creek, there is no use of this water for human consumption. In fact, Mill Creek becomes saline immediately downgradient of site M-2. Therefore, the groundwater and surface waters are not used for drinking water.

In addition, surface-water sampling has been performed at this site since 1986, and since the landfill has not been used for decades, the concentrations of VOCs seem, at worst, to be stable and possibly decreasing. Presumably, since no material is being added to the source (the landfill), natural degradation will decrease groundwater and surface-water contamination levels in the future. Although downgradient surface-water samples were not taken during this round, previous sampling at site M-8 indicated that NJDEP surface-water criteria were not exceeded for VOCs. Therefore, the only portion of Mill Creek for which NJDEP surface-water criteria are exceeded is the portion between sites M-2 and M-8. All of this portion is on Fort Monmouth property and, therefore, access to it is restricted.

Since the existing monitor wells and surface-water sampling locations are adequately placed to monitor downgradient groundwater and surface water, the Fort Monmouth Directorate of Public Works (DPW) proposes that a long-term surface-water and groundwater monitoring program be developed and implemented for the site. Aqueous samples would be collected and analyzed on a quarterly basis to further evaluate water quality conditions at the site. Groundwater samples would be collected from existing monitor wells, and surface-water samples would be collected from points yet to be determined. Compounds of concern identified in the first two rounds of sampling would be targeted for the monitoring program.

Appendix C

Material Safety Data Sheet for Oxygen Release Compound®

ORC® OXYGEN RELEASE COMPOUND

MATERIAL SAFETY DATA S

A printable PDF version of the MSDS is available here.

MATERIAL SAFETY DATA SHEET

Last Revised: March 27, 2003

Section 1 - Material Identification

Supplier: Regenesis Bioremediation Products, Inc.
1011 Calle Sombra
San Clemente, CA 92673

Telephone: (949) 366-8000

Facsimile: (949) 366-8090

Email: info@regenesis.com

CHEMICAL DESCRIPTION:
A mixture of Magnesium Peroxide [MgO_2], Magnesium Oxide [MgO], and Magnesium Hydroxide [$Mg(OH)_2$].

CHEMICAL FAMILY:
Inorganic Chemicals

PRODUCT NAME:
Oxygen Release Compound (ORC®)

PRODUCT USE:
Used for environmental remediation of contaminated soil and groundwater

Section 2 - Chemical Identification

CHEMICAL CHARACTERIZATION:
Magnesium Peroxide [MgO_2]: CAS Reg. No. 14452-57-4
Magnesium Oxide [MgO]: CAS Reg. No. 1309-48-4
Magnesium Hydroxide ($(Mg(OH)_2)$): CAS Reg. No. 1309-42-8

LEA
Hav
Exp
You

SITE
EVA
Req
Eval
Use
or H
Site

Brochures
ORC Bro

FORM : powder

COLOR: white

ODOR: odorless

ASSAY: 25 - 35% Magnesium Peroxide (MgO_2)

Section 3 - Physical and Technical Safety Data

Melting Point:	Not Determined
Boiling Point:	Not Determined
Density:	0.6-0.8 g/cc
Bulk Density:	---
Vapor Pressure	Data Not Available
Viscosity	---
Solubility	Reacts with water. Soluble in acid.
pH Value	Approx. 10 in saturated solution
Flash Point	Not Applicable
Self-Ignition Temperature	NA
Explosion Limits % By Volume	---
Thermal Decomposition	Spontaneous decomposition possible about 150° C
Hazardous Decomposition Products	Not Known
Hazardous Reactions	Hazardous polymerization will not occur
Further Information	Non-combustible, but will support combustion

Section 4 - Reactivity Data

STABILITY: Product is stable unless heated above 150°C. Magnesium Peroxide reacts with water to slowly release oxygen. Reaction by-product is magnesium hydroxide.

CONDITIONS TO AVOID: Heat above 150°C. Open flames.

INCOMPATIBILITY: Strong Acids. Strong chemical agents.

HAZARDOUS POLYMERIZATION: None known

Section 5 - Regulations

PERMISSIBLE EXPOSURE LIMITS IN AIR: Not established. Should be treated as a nuisance dust.

Section 6 - Protective Measures, Storage, and Handling

Technical Protective Measures

STORAGE: Keep container tightly closed. Keep away from combustible material.

HANDLING: Use only in well-ventilated areas.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION: Recommended (HEPA Filters).

HAND PROTECTION: Wear suitable gloves.

EYE PROTECTION: Use chemical safety goggles.

OTHER: ---

INDUSTRIAL HYGIENE: Avoid contact with skin and eyes.

PROTECTION AGAINST FIRE AND EXPLOSION: ---

DISPOSAL: Dispose via sanitary landfill per state/local authority.

FURTHER INFORMATION: Not flammable, but may intensify fire.

Section 7 - Measures in Case of Accidents and Fire

AFTER SPILLAGE/LEAKAGE/GAS LEAKAGE: Collect in suitable containers. Wash remainder with copious quantities of water.

EXTINGUISHING MEDIA

SUITABLE: Carbon dioxide, dry chemicals, foam.

NOT TO BE USED: ---

FURTHER INFORMATION: Self contained breathing apparatus or approved gas mask should be worn due to small particle size. Use extinguishing media appropriate for surrounding fire.

FIRST AID: After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical.

FURTHER INFORMATION: ---

Section 8 - Information on Toxicology

TOXICITY DATA: Data not available.

Section 9 - Information on Ecology

WATER POLLUTION HAZARD RATING (WGK): 0

Section 10 - Futher Information

After the reaction of magnesium peroxide to form oxygen the resulting material, magnesium hydroxide is mildly basic. The amounts of magnesium oxide (magnesia) and magnesium hydroxide in the initial product have an effect similar to lime, but with lower alkalinity.

The information contained in this document is the best available to the supplier at the time of writing, but is provided without warranty of any kind. Some possible hazards have been determined by analogy to similar classes of material. The items in this document are subject to change and clarification as more information becomes available.

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Appendix D

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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732)532-6224 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-2

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
2090413	00M2MW01	29-32584	12/30/02
2090405	00M2MW02	29-32585	12/30/02
2090208	00M2MW03	29-32586	12/27/02
2090411	00M2MW04	29-37988	12/30/02
2088704	00M2MW05	29-39185	12/16/02
2090301	00M2MW06	29-39184	12/27/02
2088705	00M2MW07	29-39183	12/16/02
2088706	00M2MW08	29-39182	12/16/02
2090301	00M2MW09	29-39181	12/27/02
2088707	00M2MW10	29-39180	12/16/02
2090204	00M2MW11	29-42769	12/27/02
2090205	00M2MW12	29-42770	12/27/02
2090209	00M2MW13	29-42771	12/27/02
2090210	00M2MW14	29-42562	12/27/02
2090412	00M2MW15	29-42773	12/30/02
2090410	00M2MW16	29-42774	12/30/02
2090407	00M2MW17	29-42775	12/30/02
2090406	00M2MW18	29-42776	12/30/02
2090206	00M2MW19	29-42777	12/27/02
2090207	00M2MW20	29-42778	12/27/02
2090408	00M2MW21	29-42779	12/30/02
2090404	00M2MW22	29-42780	12/30/02
2090211	00M2MW23	29-42781	12/27/02
2090409	00M2MW24	29-42772	12/30/02

NJDEP Laboratory Certification #13461

2-28-03

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. Fallon
Phone #: X26223
( )DERA ( )OMA ( )Other:

Project No:
Location: M2 wells
4th Qtr 02 Prt I

Samplers Name / Company: Corey McConnell, TLS

Analysis Parameters: VOCs, TAL Metals, Pest/PCB, BNA's, Hexavalent

Comments: HCL/HNO3/4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOCs	TAL Metals	Pest/PCB	BNA's				Hexavalent	Remarks / Preservation Method
20887 01	Trip	12/16/02	0815	AQ	2	✓							—	
02	Field Blank		1845		5	✓	✓	✓	✓				—	
03	Dupe		—		~~5~~ 4	✓	✓	✓	✓				—	1 VOC bottle broken in transit cfm
04	M2 mw05		1403			✓	✓	✓	✓				0.0	29-39185
05	M2 mw07		1412			✓	✓	✓	✓				0.0	29-39183
06	M2 mw08		1451			✓	✓	✓	✓				0.0	29-39182
07	M2 mw10 *		1459			✓	✓	✓	✓				0.0	29-39180

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McConnell	12/16/02 1525	J. Urquhart			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Tidal

print legibly

Coc11/21/02

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
Phone #: 842 6223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: M2 wells
4th Qtr '02 A+II

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters: VOTs, TAL metals, Pest/PCB, BNA's, Hex Chrom

Comments: HCl/HNO3/24°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOTs	TAL metals	Pest/PCB	BNA's				Hex Chrom	Remarks / Preservation Method
20902 01	Trip	12/27/02	0700	AQ	2	✓							—	
02	Field Blank		0800		5	✓	✓	✓	—				—	
03	Dupe		—		5	✓	✓	✓	✓				—	
04	M2 mw 11		1059		5	✓	✓	✓	✓				0.0	29-42769
05	M2 mw 12		1215			✓	✓	✓	✓				0.0	29-42770
06	M2 mw 19		0931			✓	✓	✓	✓				0.0	29-42777
07	M2 mw 20		0831			✓	✓	✓	✓				0.0	29-42778
08	M2 mw 03		1220			✓	✓	✓	✓				0.0	29-32586
09	M2 mw 13		1224			✓	✓	✓	✓				0.0	29-42771
10	M2 mw 14 *		1234			✓	✓	✓	✓				0.0	29-42772 562
11	M2 mw 23		1159			✓	✓	✓	✓				0.0	29-42781

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Corey McCormack	~~12/27/02~~ 12/30/02 700	[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, (_)EDD
Turnaround time: (X)Standard 3 wks, (_)Rush ____ Days, (_)ASAP Verbal ____Hrs.

Remarks: Shows TPH, PB, DW w/ low flow M2's same date
Tidal

print legibly

Coc11/21/02

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
Phone #: X26223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: M2 wells 4th Qrtr '02 LF

Samplers Name / Company: Corey McCormack, TUS

Comments: HCL/HNO3/<4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOC+15	TAL mtls	Pest+PCB	BNA+25				Hex Cr	Remarks / Preservation Method
20903 01	M2 mw06	12/30/02	0856	AQ	5	✓	✓	✓	✓				0.0	29-39184
02	M2 mw09		1056			✓	✓	✓	✓				0.0	29-39181

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Corey McCormack	~~12/30/02~~ 730	J. Velgura			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
	12/30/02				

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

Remarks: Tide: L

Sites T/FAIN from M2 Deep & Pz wells see site. (Pm)

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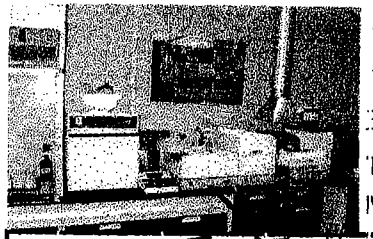
Page 1 of 1

Coc10/28/02



Fort Monmouth Environmental Testing Laboratory

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NJDEP Certification #13461

Chain of Custody Record

Customer: J. FALLON
Phone #: 126223
(X)DERA ( )OMA ( )Other:

Project No:
Location: M2 wells
4thQtr '02

Samplers Name / Company: Corey McCormack, TVS

Comments: HCL/HNO3/4°C

LIMS/Work Order #		Sample Location	Date	Time	Sample Type	# bottles	VOTIS	TAL MTS	Pest 1P28	BNA+25				Hardness	Remarks / Preservation Method
200904	01	Trip	12/20/02	0737	AQ	2	✓							—	
	02	Field Blank		0750		5	✓	✓	✓	✓				—	
	03	Dupe		—		5	✓	✓	✓	✓				—	
	04	M2MW22		1007		5	✓	✓	✓	✓				0.0	29-42780
	05	M2MW02		1015		5	✓	✓	✓	✓				0.0	29-32585
	06	M2MW18		1022		5	✓	✓	✓	✓				0.0	29-42776
	07	M2MW17		1030		5	✓	✓	✓	✓				0.0	29-42775
	08	M2MW21		1037		5	✓	✓	✓	✓				0.0	29-42779
	09	M2MW24		1042		5	✓	✓	✓	✓				0.0	29-42772
	10	M2MW16		1258		5	✓	✓	✓	✓				0.0	29-42774
	11	M2MW04		1250		5	✓	✓	✓	✓				0.0	29-37988
	12	M2MW15 *		1454		5	✓	✓	✓	✓				0.0	29-42773
	13	M2MW01		1435		5	✓	✓	✓	✓				0.0	29-32584

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	12/20/02 1500	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
		[signature]			

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

Remarks: Tide: L→H

print legibly

Coc12/4/02

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW01
NJDEP ID #: 29-32584
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/30/02
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: 4.67 ft
DEPTH OF WELL: 24.22 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 19.55 ft
(19.55) X .65 X 3 =38.12
GALLONS OF H_2O TO BE PURGED: 38 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:50
pH 7.10 su — TEMP 14.71 °C
DISSOLVED O_2 6.71 mg/L — SPECIFIC CONDUCTIVITY 276 ms/cm

PURGE END TIME: 14:34
pH 7.03 su — TEMP 14.20 °C
DISSOLVED O_2 4.21 mg/L — SPECIFIC CONDUCTIVITY 263 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.71 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 38 gal

SAMPLE START TIME: 14:35
pH 7.03 su — TEMP 14.17 °C
DISSOLVED O_2 4.17 mg/L — SPECIFIC CONDUCTIVITY 261 ms/cm

SAMPLE END TIME: 14:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW02
NJDEP ID #: 29-32585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/30/02
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: 9.86 ft
DEPTH OF WELL: 24.22 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 14.36 ft
(14.36) X .65 X 3 =28.00
GALLONS OF H_2O TO BE PURGED: 28 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:05
pH 6.83 su — TEMP 15.0 °C
DISSOLVED O_2 5.71 mg/L — SPECIFIC CONDUCTIVITY 691 ms/cm

PURGE END TIME: 10:06
pH 6.59 su — TEMP 14.30 °C
DISSOLVED O_2 4.21 mg/L — SPECIFIC CONDUCTIVITY 530 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.59 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 28 gal

SAMPLE START TIME: 10:15
pH 6.60 su — TEMP 14.27 °C
DISSOLVED O_2 4.17 mg/L — SPECIFIC CONDUCTIVITY 527 ms/cm

SAMPLE END TIME: 10:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW03
NJDEP ID #: 29-32586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/27/02
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: 7.23 ft
DEPTH OF WELL: 16.92 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.69 ft
(9.68) X .65 X 3 =18.89
GALLONS OF H_2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:30
pH 6.87 su — TEMP 14.31 °C
DISSOLVED O_2 5.98 mg/L — SPECIFIC CONDUCTIVITY 684 ms/cm

PURGE END TIME: 11:52
pH 6.70 su — TEMP 14.20 °C
DISSOLVED O_2 4.07 mg/L — SPECIFIC CONDUCTIVITY 693 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.17 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 12:20
pH 6.69 su — TEMP 14.20 °C
DISSOLVED O_2 4.03 mg/L — SPECIFIC CONDUCTIVITY 694 ms/cm

SAMPLE END TIME: 12:23

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW04
NJDEP ID #: 29-37988
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/30/02
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: 8.57 ft
DEPTH OF WELL: 21.05 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.48 ft
(12.48) X .65 X 3 =24.33
GALLONS OF H_2O TO BE PURGED: 24 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:39
pH 6.97 su — TEMP 14.61 °C
DISSOLVED O_2 5.83 mg/L — SPECIFIC CONDUCTIVITY 670 ms/cm

PURGE END TIME: 12:23
pH 6.80 su — TEMP 13.99 °C
DISSOLVED O_2 3.78 mg/L — SPECIFIC CONDUCTIVITY 693 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.70 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 24 gal

SAMPLE START TIME: 12:50
pH 6.79 su — TEMP 13.97 °C
DISSOLVED O_2 3.80 mg/L — SPECIFIC CONDUCTIVITY 700 ms/cm

SAMPLE END TIME: 12:56

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW05
NJDEP ID #: 29-39185
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/16/02
WEATHER: Sunny and cold.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 5.92 ft
DEPTH OF WELL: 13.85 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.93 ft
(7.93) X .163 X 3 =3.87
GALLONS OF H_2O TO BE PURGED: 4 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:45
pH 6.91 su
TEMP 12.72 °C
DISSOLVED O_2 7.61 mg/L
SPECIFIC CONDUCTIVITY 203 ms/cm

PURGE END TIME: 14:02
pH 6.83 su
TEMP 12.03 °C
DISSOLVED O_2 4.20 mg/L
SPECIFIC CONDUCTIVITY 187 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.86 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 4 gal

SAMPLE START TIME: 14:03
pH 6.81 su
TEMP 12.04 °C
DISSOLVED O_2 4.17 mg/L
SPECIFIC CONDUCTIVITY 190 ms/cm

SAMPLE END TIME: 14:08

COMMENTS: Very cloudy, orange.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 0M2MW06
NJDEP ID #: 29-39184
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/27/02
WEATHER: Sunny, cold
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 5.27 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:1000 µ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp: N/A
Turb: Hach Turbidimeter, lab cal

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2 INCH
DEPTH TO WATER: 7.84 ft
Before Purge Start: 7.84 ft Previous Day: N/A ft After Sampling: 8.11 ft
DEPTH OF WELL: 18.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE: 17.00 FT
HEIGHT OF WATER: 10.66 ft
(10.66) X .163 X 3 = 5.212
GALLONS OF H2O TO BE PURGED: 5 Gal

TUBING: Food Grade ¼" Polyethylene
(.163 for 2")

PURGE METHOD: (FLOW at >100 TO <500 gpm):
Purged at * mL/Min start
PURGE RATE: .* gpm
Hnu READING: 0.0 ppm (Well)
Hnu READING: 0.0 ppm (Well Cap)

2" REDIFLO 2 GRUNDPHOS SUBMERSIBLE PUMP
Gal/Min. (ml to gal.:ml(.0002642)=gal)
Start 0752@ 400ml/min to 350ml/min @ 0755
to 300ml/min @ 0805 to 275ml/min @ 0815
to 270ml/min @ 0820 to 260ml/min @0830
until end.

PURGE START TIME: 0755
pH 6.97 su ORP N/A mv
DISSOLVED O_2 5.21 mg/L
TEMP 14.10 °C Turb 150 NTU
Sp. CONDUCTIVITY 271.30 ms/cm

PURGE END TIME: 0855
pH 6.81 su ORP N/A mv
DISSOLVED O_2 1.17 mg/L
TEMP 14.07 °C Turb 9.87 NTU
Sp. CONDUCTIVITY 421.10 ms/cm

DEPTH TO H_2O AFTER PURGE AND SAMPLING: 8.11 ft
(SAMPLING METHOD: (Through pump and tubing. Flow cell disconnected)

SAMPLE START TIME: 0856
pH 6.79 su ORP N/A mv
DISSOLVED O_2 1.16 mg/L
TEMP 14.08 °C Turb 9.81 NTU
Sp. CONDUCTIVITY 421.22 ms/cm
SAMPLE END TIME: 0859
ANALYTES : VOA+15, TAL Mtls, Pest/PCB, BNA+25
COMMENTS: slightly cloudy, never really became clear.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW07
NJDEP ID #: 29-39183
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/16/02
WEATHER: Sunny and cold.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 6.63 ft
DEPTH OF WELL: 16.71 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.08 ft
(10.08) X .163 X 3 =4.92
GALLONS OF H_2O TO BE PURGED: 5 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:49
pH 7.12 su — TEMP 12.91 °C
DISSOLVED O_2 7.32 mg/L — SPECIFIC CONDUCTIVITY 421 us/cm

PURGE END TIME: 14:11
pH 7.03 su — TEMP 12.63 °C
DISSOLVED O_2 4.11 mg/L — SPECIFIC CONDUCTIVITY 321 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.80 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 5 gal

SAMPLE START TIME: 14:12
pH 7.00 su — TEMP 12.60 °C
DISSOLVED O_2 4.07 mg/L — SPECIFIC CONDUCTIVITY 321 us/cm

SAMPLE END TIME: 14:18

COMMENTS: Cloudy while bailing.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW08
NJDEP ID #: 29-39182
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/16/02
WEATHER: Sunny and cold.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 6.25 ft
DEPTH OF WELL: 20.88 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 14.63 ft
(14.63) X .163 X 3 =7.15
GALLONS OF H_2O TO BE PURGED: 7 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 14:20
pH 7.21 su — TEMP 12.31 °C
DISSOLVED O_2 5.51 mg/L — SPECIFIC CONDUCTIVITY 311 ms/cm

PURGE END TIME: 14:50
pH 7.17 su — TEMP 12.11 °C
DISSOLVED O_2 4.07 mg/L — SPECIFIC CONDUCTIVITY 281 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.11 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 7 gal

SAMPLE START TIME: 14:51
pH 7.18 su — TEMP 12.12 °C
DISSOLVED O_2 4.05 mg/L — SPECIFIC CONDUCTIVITY 283 ms/cm

SAMPLE END TIME: 13:48

COMMENTS: Cloudy while bailing, orange.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW09
NJDEP ID #: 29-39181
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/27/01
WEATHER: Sunny, cold
TIDE: Low
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 5.27 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:1000 µ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp.: N/A
Turb: Turbidimeter, Lab cal

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2 INCH
DEPTH TO WATER: 10.32 ft
Before Purge Start: 10.32 ft Previous Day: N/A ft After Sampling: 11.07 ft
DEPTH OF WELL: 21.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE: 18.00 FT TUBING: Food Grade ¼" Polyethylene
HEIGHT OF WATER: 11.18 ft
(11.18) X .163 X 3 = 5.46 (.163 for 2")
GALLONS OF H_2O TO BE PURGED: 5 Gal
PURGE METHOD: (FLOW at >100 TO <500 gpm): 2" REDIFLO 2 GRUNDPHOS SUBMERSIBLE PUMP
Purged at 375 ml/min gal/min. (ml to gal.: (ml(.0002642)=gal))
PURGE RATE: 0.09 gal/min
Hnu READING: 0.0 ppm (Well) Purged constantly at 375 ml/min
Hnu READING: 0.0 ppm (Well Cap)

PURGE START TIME: 0955
pH 6.91 su ORP N/A mv TEMP 14.18 °C Turb 37.7 NTU
DISSOLVED O_2 5.86 mg/L Sp. CONDUCTIVITY 290.2 ms/cm

PURGE END TIME: 1055
pH 6.99 su ORP N/A mv TEMP 13.82 °C Turb 8.88 NTU
DISSOLVED O_2 1.22 mg/L Sp. CONDUCTIVITY 298.19 ms/cm

DEPTH TO H_2O AFTER PURGE AND SAMPLING: 11.07 ft
(SAMPLING METHOD: (Through pump and tubing. Flow cell disconnected)

SAMPLE START TIME: 1056
pH 6.98 su ORP N/A mv TEMP 13.87 °C Turb 8.19 NTU
DISSOLVED O_2 1.21 mg/L Sp. CONDUCTIVITY 299.04 ms/cm
SAMPLE END TIME: 1058
ANALYTES : VOA+15, ABN+25, Pest/PCB's, TAL Metals
COMMENTS: Slightly cloudy at end while sampling.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW10
NJDEP ID #: 29-39180
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/16/02
WEATHER: Sunny and cold.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 7.63 ft
DEPTH OF WELL: 22.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 14.68 ft
(14.68) X .163 X 3 =7.17
GALLONS OF H_2O TO BE PURGED: 7 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 14:25
pH 7.47 su — TEMP 12.76 °C
DISSOLVED O_2 5.91 mg/L — SPECIFIC CONDUCTIVITY 411 us/cm

PURGE END TIME: 14:55
pH 7.27 su — TEMP 11.91 °C
DISSOLVED O_2 3.91 mg/L — SPECIFIC CONDUCTIVITY 383 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.88 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 7 gal

SAMPLE START TIME: 14:59
pH 7.27 su — TEMP 11.98 °C
DISSOLVED O_2 3.87 mg/L — SPECIFIC CONDUCTIVITY 385 us/cm

SAMPLE END TIME: 15:05

COMMENTS: DUP. here. Cloudy while bailing.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW11
NJDEP ID #: 29-42769
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/27/02
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: 8.62 ft
DEPTH OF WELL: 51.95 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 43.33 ft
(43.33) X .65 X 3 =84.49
GALLONS OF H2O TO BE PURGED: 84 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.69 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:05
pH 7.81 su
DISSOLVED O_2 5.27 mg/L
TEMP 15.11 °C
SPECIFIC CONDUCTIVITY 17.91 ms/cm

PURGE END TIME: 10:55
pH 7.63 su
DISSOLVED O_2 4.31 mg/L
TEMP 14.71 °C
SPECIFIC CONDUCTIVITY 18.30 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.31 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 84 gal

SAMPLE START TIME: 10:59
pH 7.64 su
DISSOLVED O_2 4.27 mg/L
TEMP 14.68 °C
SPECIFIC CONDUCTIVITY 18.33 ms/cm

SAMPLE END TIME: 11:03

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW12
NJDEP ID #: 29-42770
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/27/02
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: 8.37 ft
DEPTH OF WELL: 51.98 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 43.61 ft
(43.61) X .65 X 3 =85.03
GALLONS OF H2O TO BE PURGED: 85 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 2.00 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:15
pH 7.76 su
DISSOLVED O_2 4.87 mg/L
TEMP 14.81 °C
SPECIFIC CONDUCTIVITY 23.60 ms/cm

PURGE END TIME: 11:58
pH 7.53 su
DISSOLVED O_2 3.11 mg/L
TEMP 13.76 °C
SPECIFIC CONDUCTIVITY 21.14 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.97 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 85 gal

SAMPLE START TIME: 12:15
pH 7.52 su
DISSOLVED O_2 3.09 mg/L
TEMP 13.80 °C
SPECIFIC CONDUCTIVITY 21.10 ms/cm

SAMPLE END TIME: 12:18

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW13
NJDEP ID #: 29-42771
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/27/02
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: 9.53 ft
DEPTH OF WELL: 22.25 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.72 ft
(12.72) X .65 X 3 =24.80
GALLONS OF H_2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:35
pH 6.77 su
DISSOLVED O_2 5.29 mg/L
TEMP 14.82 °C
SPECIFIC CONDUCTIVITY 231 ms/cm

PURGE END TIME: 12:23
pH 6.66 su
DISSOLVED O_2 4.30 mg/L
TEMP 14.51 °C
SPECIFIC CONDUCTIVITY 227 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.80 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 12:24
pH 6.65 su
DISSOLVED O_2 4.28 mg/L
TEMP 14.48 °C
SPECIFIC CONDUCTIVITY 226 ms/cm

SAMPLE END TIME: 12:29

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW14
NJDEP ID #: 29-42562
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/27/02
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: 9.83 ft
DEPTH OF WELL: 23.05 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.22 ft
(13.22) X .65 X 3 =25.77
GALLONS OF H_2O TO BE PURGED: 26 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:40
pH 6.58 su
DISSOLVED O_2 5.83 mg/L
TEMP 14.97 °C
SPECIFIC CONDUCTIVITY 298 ms/cm

PURGE END TIME: 12:33
pH 6.60 su
DISSOLVED O_2 4.17 mg/L
TEMP 14.67 °C
SPECIFIC CONDUCTIVITY 321 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.71 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 26 gal

SAMPLE START TIME: 12:34
pH 6.59 su
DISSOLVED O_2 4.15 mg/L
TEMP 14.63 °C
SPECIFIC CONDUCTIVITY 327 ms/cm

SAMPLE END TIME: 12:40

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW15
NJDEP ID #: 29-42773
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/30/02
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: 9.31 ft
DEPTH OF WELL: 22.13 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 H_2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:05
pH 6.72 su
TEMP 14.76 °C
DISSOLVED O_2 5.87 mg/L
SPECIFIC CONDUCTIVITY 271 ms/cm

PURGE END TIME: 14:53
pH 6.63 su
TEMP 14.39 °C
DISSOLVED O_2 4.11 mg/L
SPECIFIC CONDUCTIVITY 250 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.70 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 14:54
pH 6.64 su
TEMP 14.37 °C
DISSOLVED O_2 4.07 mg/L
SPECIFIC CONDUCTIVITY 247 ms/cm

SAMPLE END TIME: 14:59

COMMENTS: DUP. here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW16
NJDEP ID #: 29-42774
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/30/02
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: 7.01 ft
DEPTH OF WELL: 22.08 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 15.07 ft
(15.07) X .65 X 3 =29.38
GALLONS OF H_2O TO BE PURGED: 29 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:29
pH 6.67 su
TEMP 14.27 °C
DISSOLVED O_2 5.78 mg/L
SPECIFIC CONDUCTIVITY 321 ms/cm

PURGE END TIME: 12:35
pH 6.60 su
TEMP 14.01 °C
DISSOLVED O_2 4.21 mg/L
SPECIFIC CONDUCTIVITY 332 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.10 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 29 gal

SAMPLE START TIME: 12:58
pH 6.61 su
TEMP 14.00 °C
DISSOLVED O_2 4.20 mg/L
SPECIFIC CONDUCTIVITY 331 ms/cm

SAMPLE END TIME: 13:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW17
NJDEP ID #: 29-42775
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/30/02
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: 8.39 ft
DEPTH OF WELL: 23.14 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 14.75 ft
(14.75) X .65 X 3 =28.76
GALLONS OF H_2O TO BE PURGED: 29 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:17
pH 6.01 su
TEMP 14.68 °C
DISSOLVED O_2 5.79 mg/L
SPECIFIC CONDUCTIVITY 247 ms/cm

PURGE END TIME: 10:23
pH 5.83 su
TEMP 14.32 °C
DISSOLVED O_2 4.07 mg/L
SPECIFIC CONDUCTIVITY 253 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.11 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 29 gal

SAMPLE START TIME: 10:30
pH 5.84 su
TEMP 14.33 °C
DISSOLVED O_2 4.09 mg/L
SPECIFIC CONDUCTIVITY 251 ms/cm

SAMPLE END TIME: 10:35

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW18
NJDEP ID #: 29-42776
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/30/02
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: 7.87 ft
DEPTH OF WELL: 22.25 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 14.38 ft
(14.38) X .65 X 3 =28.04
GALLONS OF H_2O TO BE PURGED: 28 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:10
pH 7.07 su — TEMP 14.70 °C
DISSOLVED O_2 5.71 mg/L — SPECIFIC CONDUCTIVITY 271 ms/cm

PURGE END TIME: 10:11
pH 6.98 su — TEMP 14.34 °C
DISSOLVED O_2 3.91 mg/L — SPECIFIC CONDUCTIVITY 250 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.71 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 28 gal

SAMPLE START TIME: 10:22
pH 6.99 su — TEMP 14.34 °C
DISSOLVED O_2 3.98 mg/L — SPECIFIC CONDUCTIVITY 251 ms/cm

SAMPLE END TIME: 10:27

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW19
NJDEP ID #: 29-42777
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/27/02
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: 7.81 ft
DEPTH OF WELL: 52.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 45.10 ft
(45.10) X .65 X 3 =87.94
GALLONS OF H2O TO BE PURGED: 88 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.81 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:42
pH 7.76 su — TEMP 14.76 °C
DISSOLVED O_2 5.42 mg/L — SPECIFIC CONDUCTIVITY 23.41 ms/cm

PURGE END TIME: 09:30
pH 7.50 su — TEMP 14.33 °C
DISSOLVED O_2 .4.12 mg/L — SPECIFIC CONDUCTIVITY 21.91 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.91 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 88 gal

SAMPLE START TIME: 09:31
pH 7.48 su — TEMP 14.35 °C
DISSOLVED O_2 4.10 mg/L — SPECIFIC CONDUCTIVITY 21.90 ms/cm

SAMPLE END TIME: 09:37

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW20
NJDEP ID #: 29-42778
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/27/02
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: 10.42 ft
DEPTH OF WELL: 53.30 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 42.88 ft
(42.88) X .65 X 3 =83.61
GALLONS OF H2O TO BE PURGED: 84 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.69 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 07:40
pH 8.07 su
DISSOLVED O_2 5.43 mg/L
TEMP 14.15 °C
SPECIFIC CONDUCTIVITY 20.10 ms/cm

PURGE END TIME: 08:30
pH 7.94 su
DISSOLVED O_2 3.12 mg/L
TEMP 13.97 °C
SPECIFIC CONDUCTIVITY 21.79 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 12.77 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 84 gal

SAMPLE START TIME: 08:31
pH 7.95 su
DISSOLVED O_2 3.10 mg/L
TEMP 13.96 °C
SPECIFIC CONDUCTIVITY 22.80 ms/cm

SAMPLE END TIME: 08:33

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW21
NJDEP ID #: 29-42779
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/30/02
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: 9.01 ft
DEPTH OF WELL: 22.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.30 ft
(13.30) X .65 X 3 =25.93
GALLONS OF H_2O TO BE PURGED: 26 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:33
pH 6.66 su
TEMP 14.71 °C
DISSOLVED O_2 6.50 mg/L
SPECIFIC CONDUCTIVITY 711 ms/cm

PURGE END TIME: 10:25
pH 6.53 su
TEMP 14.39 °C
DISSOLVED O_2 4.92 mg/L
SPECIFIC CONDUCTIVITY 689 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.20 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 26 gal

SAMPLE START TIME: 10:37
pH 6.54 su
TEMP 14.40 °C
DISSOLVED O_2 4.42 mg/L
SPECIFIC CONDUCTIVITY 691 ms/cm

SAMPLE END TIME: 10:42

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW22
NJDEP ID #: 29-42780
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/30/02
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: 7.83 ft
DEPTH OF WELL: 22.47 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 14.64 ft
(14.64) X .65 X 3 =28.54
GALLONS OF H_2O TO BE PURGED: 29 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:00
pH 6.77 su — TEMP 14.63 °C
DISSOLVED O_2 5.91 mg/L — SPECIFIC CONDUCTIVITY 400 ms/cm

PURGE END TIME: 10:06
pH 6.63 su — TEMP 14.27 °C
DISSOLVED O_2 4.00 mg/L — SPECIFIC CONDUCTIVITY 374 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.71 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 29 gal

SAMPLE START TIME: 10:07
pH 6.64 su — TEMP 14.29 °C
DISSOLVED O_2 3.98 mg/L — SPECIFIC CONDUCTIVITY 371 ms/cm

SAMPLE END TIME: 10:12

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW23
NJDEP ID #: 29-42781
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/27/02
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: 9.93 ft
DEPTH OF WELL: 22.92 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.99 ft
(12.99) X .65 X 3 =25.33
GALLONS OF H_2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:10
pH 6.67 su — TEMP 13.7 °C
DISSOLVED O_2 6.11 mg/L — SPECIFIC CONDUCTIVITY 1171 ms/cm

PURGE END TIME: 11:58
pH 6.70 su — TEMP 14.03 °C
DISSOLVED O_2 5.32 mg/L — SPECIFIC CONDUCTIVITY 1048 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.31 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 11:59
pH 6.69 su — TEMP 14.00 °C
DISSOLVED O_2 5.30 mg/L — SPECIFIC CONDUCTIVITY 1097 ms/cm

SAMPLE END TIME: 12:03

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW24
NJDEP ID #: 29-42772
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/30/02
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: 8.30 ft
DEPTH OF WELL: 22.04 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.74 ft
(13.74) X .65 X 3 =26.79
GALLONS OF H_2O TO BE PURGED: 27 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:40
pH 6.71 su — TEMP 14.50 °C
DISSOLVED O_2 5.83 mg/L — SPECIFIC CONDUCTIVITY 479 ms/cm

PURGE END TIME: 10:37
pH 6.67 su — TEMP 14.27 °C
DISSOLVED O_2 4.71 mg/L — SPECIFIC CONDUCTIVITY 483 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.23 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 27 gal

SAMPLE START TIME: 10:42
pH 6.68 su — TEMP 14.25 °C
DISSOLVED O_2 4.69 mg/L — SPECIFIC CONDUCTIVITY 482 ms/cm

SAMPLE END TIME: 10:49

COMMENTS

CASE NARRATIVE

Site: M-2
Laboratory ID: 20887, 20902, 20903, 20904

Pesticide/PCB results are not reported for samples taken on 12/16/02. This includes the following wells:

00M2MW05
00M2MW07
00M2MW08
00M2MW10

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	**VB012379.D**	Sample Name	**MB 18Dec02**
Operator	**Skelton**	Field ID	**MB 18Dec02**
Date Acquired	**18 Dec 2002 7:08 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
124-48-1	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	
95-47-6	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-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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

MB 18Dec02

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20887 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 18Dec02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012379.D

Level: (low/med) LOW Date Received: 12/18/02

% Moisture: not dec. _____ Date Analyzed: 12/18/02

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	**VB012439.D**	Sample Name	**MB 23Dec02**
Operator	**Skelton**	Field ID	**MB 23Dec02**
Date Acquired	**23 Dec 2002 3:57 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
124-48-1	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	
95-47-6	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-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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

MB 23Jan02

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20887 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 23Dec02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012439.D

Level: (low/med) LOW Date Received: 12/18/02

% Moisture: not dec. Date Analyzed: 12/23/02

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	**VB012472.D**	Sample Name	**MB 31Dec02**
Operator	**Skelton**	Field ID	**MB 31Dec02**
Date Acquired	**31 Dec 2002 10:32 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
124-48-1	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	
95-47-6	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-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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

MB 31Dec02

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20902 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 31Dec02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012472.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 12/31/02

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 Number #13461

Data File	**VC009003.D**	Sample Name	**MB 31Dec02**
Operator	**Skelton**	Field ID	**MB 31Dec02**
Date Aquired	**31-Dec-02**	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: **MB 31Dec02**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20904 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 31Dec02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009003.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 12/31/02

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

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

Data File	**VB012391.D**	Sample Name	**2088701**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**19 Dec 2002 8:10 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	16.61	98588	1.66 ug/L	6	0.30 ug/L	
71-55-6	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	
124-48-1	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	
124-48-1	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	
95-47-6	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-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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20887 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2088701

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012391.D

Level: (low/med) LOW Date Received: 12/18/02

% Moisture: not dec. Date Analyzed: 12/19/02

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	**VB012486.D**	Sample Name	**2090201**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**31 Dec 2002 9:05 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	16.61	209560	1.69 ug/L	6	0.30 ug/L	
71-55-6	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	
124-48-1	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	
124-48-1	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	
95-47-6	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-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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20902 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090201

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012486.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 12/31/02

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 Number #13461

Data File	**VC009008.D**	Sample Name	**2090401**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**31-Dec-02**	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	76601	1.71 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.: 20904 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090401

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009008.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 12/31/02

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

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

Data File	**VB012392.D**	Sample Name	**2088702**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**19 Dec 2002 8:52 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	16.61	98300	1.75 ug/L	6	0.30 ug/L	
71-55-6	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	
124-48-1	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	
124-48-1	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	
95-47-6	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-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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20887 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2088702

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012392.D

Level: (low/med) LOW Date Received: 12/18/02

% Moisture: not dec. Date Analyzed: 12/19/02

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	**VB012487.D**	Sample Name	**2090202**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**31 Dec 2002 9:46 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	16.61	205704	1.63 ug/L	6	0.30 ug/L	
71-55-6	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	
124-48-1	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	
124-48-1	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	
95-47-6	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-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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20902 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090202

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012487.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 12/31/02

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 Number #13461

Data File	**VC009009.D**	Sample Name	**2090402**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**31-Dec-02**	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	75282	1.80 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.: 20904 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090402

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009009.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 12/31/02

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

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

Data File	**VB012440.D**	Sample Name	**2088703**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**23 Dec 2002 4:37 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
124-48-1	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	
95-47-6	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-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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Dupe

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20887 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2088703

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012440.D

Level: (low/med) LOW Date Received: 12/18/02

% Moisture: not dec. _____ Date Analyzed: 12/23/02

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	**VB012488.D**	Sample Name	**2090203**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**31 Dec 2002 10:27 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
124-48-1	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	
95-47-6	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-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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Dupe

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20902 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090203

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012488.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 12/31/02

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 Number #13461

Data File	**VC009010.D**	Sample Name	**2090403**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**31-Dec-02**	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: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20904 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090403

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009010.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 12/31/02

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

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

Data File	**VC009020.D**	Sample Name	**2090413**
Operator	**Skelton**	Field ID	**M2MW01**
Date Aquired	**31-Dec-02**	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: **M2MW01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20904 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090413

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009020.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 12/31/02

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

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

Data File	**VC009012.D**	Sample Name	**2090405**
Operator	**Skelton**	Field ID	**M2MW02**
Date Aquired	**31-Dec-02**	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	22.73	26727	4.71 ug/L	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	26.89	556099	9.64 ug/L	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: **M2MW02**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20904 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090405

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009012.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 12/31/02

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: 2

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	18.57	54	J
2.	unknown hydrocarbon	23.55	10	J

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

Data File	**VB012493.D**	Sample Name	**2090208**
Operator	**Skelton**	Field ID	**M2MW03**
Date Acquired	**1 Jan 2003 1:49 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	
71-55-6	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	18.04	411763	1.62 ug/L	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	
124-48-1	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	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene	26.65	5955112	31.69 ug/L	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	
95-47-6	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	32.32	174813	1.25 ug/L	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-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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M2MW03

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20902 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090208

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012493.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. _____ Date Analyzed: 1/1/03

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

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

Data File	**VC009018.D**	Sample Name	**2090411**
Operator	**Skelton**	Field ID	**M2MW04**
Date Aquired	**31-Dec-02**	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: **M2MW04**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20904 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090411

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009018.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. _____ Date Analyzed: 12/31/02

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

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

Data File	**VB012394.D**	Sample Name	**2088704**
Operator	**Skelton**	Field ID	**M2MW05**
Date Acquired	**19 Dec 2002 10:15 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
124-48-1	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	
95-47-6	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-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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M2MW05

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20887 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2088704

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012394.D

Level: (low/med) LOW Date Received: 12/18/02

% Moisture: not dec. _____ Date Analyzed: 12/19/02

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 Number #13461

Data File	**VC009004.D**	Sample Name	**2090301**
Operator	**Skelton**	Field ID	**M2MW06**
Date Aquired	**31-Dec-02**	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: **M2MW06**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20903 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090301

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009004.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 12/31/02

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

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

Data File	**VB012441.D**	Sample Name	**2088705**
Operator	**Skelton**	Field ID	**m2MW07**
Date Acquired	**23 Dec 2002 5:17 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
124-48-1	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	
95-47-6	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-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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M2MW07

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20887 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2088705

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012441.D

Level: (low/med) LOW Date Received: 12/18/02

% Moisture: not dec. Date Analyzed: 12/23/02

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	**VB012442.D**	Sample Name	**2088706**
Operator	**Skelton**	Field ID	**M2MW08**
Date Acquired	**23 Dec 2002 5:58 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	
71-55-6	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	18.04	368339	1.41 ug/L	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	
124-48-1	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	
124-48-1	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	
95-47-6	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-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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M2MW08

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20887 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2088706

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012442.D

Level: (low/med) LOW Date Received: 12/18/02

% Moisture: not dec. _____ Date Analyzed: 12/23/02

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 Number #13461

Data File	**VC009005.D**	Sample Name	**2090302**
Operator	**Skelton**	Field ID	**M2MW09**
Date Aquired	**31-Dec-02**	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	18.32	244511	2.35 ug/L	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: **M2MW09**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20903 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090302

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009005.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. _____ Date Analyzed: 12/31/02

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

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

Data File	**VB012443.D**	Sample Name	**2088707**
Operator	**Skelton**	Field ID	**M2MW10**
Date Acquired	**23 Dec 2002 6:38 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
124-48-1	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	
95-47-6	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-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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M2MW10

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20887 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2088707

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012443.D

Level: (low/med) LOW Date Received: 12/18/02

% Moisture: not dec. Date Analyzed: 12/23/02

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	**VB012489.D**	Sample Name	**2090204**
Operator	**Skelton**	Field ID	**M2MW11**
Date Acquired	**31 Dec 2002 11:07 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
124-48-1	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	
95-47-6	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-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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M2MW11

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20902 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090204

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012489.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 12/31/02

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	**VB012490.D**	Sample Name	**2090205**
Operator	**Skelton**	Field ID	**M2MW12**
Date Acquired	**31 Dec 2002 11:48 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
124-48-1	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	
95-47-6	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-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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M2MW12

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20902 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090205

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012490.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 12/31/02

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	**VB012494.D**	Sample Name	**2090209**
Operator	**Skelton**	Field ID	**M2MW13**
Date Acquired	**1 Jan 2003 2:30 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
124-48-1	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	
95-47-6	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-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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M2MW13

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20902 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090209

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012494.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 1/1/03

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

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

Data File	**VB012495.D**	Sample Name	**2090210**
Operator	**Skelton**	Field ID	**M2MW14**
Date Acquired	**1 Jan 2003 3:10 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
124-48-1	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	
95-47-6	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-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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M2MW14

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20902 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090210

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012495.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. _____ Date Analyzed: 1/1/03

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

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

Data File	**VC009019.D**	Sample Name	**2090412**
Operator	**Skelton**	Field ID	**M2MW15**
Date Aquired	**31-Dec-02**	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: **M2MW15**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20904 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090412

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009019.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 12/31/02

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

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

Data File	**VC009017.D**	Sample Name	**2090410**
Operator	**Skelton**	Field ID	**M2MW16**
Date Aquired	**31-Dec-02**	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: **M2MW16**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20904 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090410

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009017.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 12/31/02

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

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

Data File	**VC009014.D**	Sample Name	**2090407**
Operator	**Skelton**	Field ID	**M2MW17**
Date Aquired	**31-Dec-02**	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: **M2MW17**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20904 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090407

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009014.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 12/31/02

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

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

Data File	**VC009013.D**	Sample Name	**2090406**
Operator	**Skelton**	Field ID	**M2MW18**
Date Aquired	**31-Dec-02**	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: **M2MW18**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20904 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090406

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009013.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 12/31/02

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

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

Data File	**VB012491.D**	Sample Name	**2090206**
Operator	**Skelton**	Field ID	**M2MW19**
Date Acquired	**1 Jan 2003 12:28 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
124-48-1	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	
95-47-6	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-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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M2MW19

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20902 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090206

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012491.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. _____ Date Analyzed: 1/1/03

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

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

Data File	**VB012492.D**	Sample Name	**2090207**
Operator	**Skelton**	Field ID	**M2MW20**
Date Acquired	**1 Jan 2003 1:09 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
124-48-1	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	
95-47-6	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-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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M2MW20

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20902 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090207

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012492.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 1/1/03

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

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

Data File	**VC009015.D**	Sample Name	**2090408**
Operator	**Skelton**	Field ID	**M2MW21**
Date Aquired	**31-Dec-02**	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	9.83	27836	3.03 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
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	18.32	171968	2.03 ug/L	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	26.89	2532825	47.85 ug/L	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	32.31	93078	3.10 ug/L	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene	32.51	140027	4.60 ug/L	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene	33.38	51624	1.81 ug/L	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: **M2MW21**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20904 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090408

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009015.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 12/31/02

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

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

Data File	**VC009011.D**	Sample Name	**2090404**
Operator	**Skelton**	Field ID	**M2MW22**
Date Aquired	**31-Dec-02**	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	12.26	471820	355.30 ug/L	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	22.73	26698	4.49 ug/L	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: **M2MW22**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20904 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090404

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009011.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 12/31/02

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: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	18.56	130	J

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

Data File	**VB012496.D**	Sample Name	**2090211**
Operator	**Skelton**	Field ID	**M2MW23**
Date Acquired	**1 Jan 2003 3:51 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	
75-34-3	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	
71-55-6	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	18.04	593309	2.22 ug/L	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	
124-48-1	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	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene	26.66	4256356	22.03 ug/L	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	
95-47-6	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	32.32	179035	1.25 ug/L	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-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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

M2MW23

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20902 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090211

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB012496.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. _____ Date Analyzed: 1/1/03

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

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

Data File	**VC009016.D**	Sample Name	**2090409**
Operator	**Skelton**	Field ID	**M2MW24**
Date Aquired	**31-Dec-02**	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	18.33	204488	2.22 ug/L	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	26.89	492676	8.66 ug/L	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	32.51	135974	4.16 ug/L	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: **M2MW24**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20904 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2090409

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009016.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: not dec. Date Analyzed: 12/31/02

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: 9

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000098-82-8	Benzene, (1-methylethyl)-	29.26	10	JN
2. 000103-65-1	Benzene, propyl-	30.26	17	JN
3. 000093-53-8	Benzeneacetaldehyde, .alpha.-m	31.97	4	JN
4. 000135-01-3	Benzene, 1,2-diethyl-	32.97	6	JN
5. 000496-11-7	Indane	33.06	28	JN
6. 000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	34.02	8	JN
7. 000767-99-7	Benzene, (1-methyl-1-propenyl)-,	34.16	6	JN
8. 027133-93-3	2,3-Dihydro-1-methylindene	34.33	24	JN
9. 000527-53-7	Benzene, 1,2,3,5-tetramethyl-	34.89	9	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06048.D**	Sample Name	**MB-121802**
Operator	**B.Patel**	Misc Info	**MB-121802**
Date Acquired	**19-Dec-02**	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	**BN06048.D**	Sample Name	**MB-121802**
Operator	**B.Patel**	Misc Info	**MB-121802**
Date Acquired	**19-Dec-02**	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-121802**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20887 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: MB-121802

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06048.D

Level: (low/med) LOW Date Received: 12/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/18/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.70	11	J
2. 000629-62-9	Pentadecane	18.13	4	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07445.D**	Sample Name	**MB-010303**
Operator	**BPatel**	Misc Info	**MB-010303**
Date Acquired	**14-Jan-03**	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	**BNA07445.D**	Sample Name	**MB-010303**
Operator	**BPatel**	Misc Info	**MB-010303**
Date Acquired	**14-Jan-03**	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
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: **MB-010303**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20904 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB-010303

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07445.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: decanted: (Y/N) N Date Extracted: 1/3/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/14/03

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	7.34	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06061.D**	Sample Name	**MB-123002**
Operator	**B.Patel**	Misc Info	**MB-123002**
Date Acquired	**30-Dec-02**	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	**BN06061.D**	Sample Name	**MB-123002**
Operator	**B.Patel**	Misc Info	**MB-123002**
Date Acquired	**30-Dec-02**	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	19.32	282517	7.01 ug/L	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-123002**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20902 Location: M2 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: MB-123002

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06061.D

Level: (low/med) LOW Date Received: 12/27/02

% Moisture: decanted: (Y/N) N Date Extracted: 12/30/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/02

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: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.69	8	J
2. 000629-62-9	Pentadecane	18.12	7	JN
3. 000057-10-3	Hexadecanoic acid	23.26	5	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06049.D**	Sample Name	**2088702**
Operator	**B.Patel**	Misc Info	**Field Blank**
Date Acquired	**19-Dec-02**	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	**BN06049.D**	Sample Name	**2088702**
Operator	**B.Patel**	Misc Info	**Field Blank**
Date Acquired	**19-Dec-02**	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: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20887 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 2088702

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06049.D

Level: (low/med) LOW Date Received: 12/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/18/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/02

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	7.70	11	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07447.D**	Sample Name	**2090402**
Operator	**BPatel**	Misc Info	**Field Blank**
Date Acquired	**14-Jan-03**	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	**BNA07447.D**	Sample Name	**2090402**
Operator	**BPatel**	Misc Info	**Field Blank**
Date Acquired	**14-Jan-03**	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
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: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20904 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2090402

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07447.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: decanted: (Y/N) N Date Extracted: 1/3/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/14/03

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	7.34	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06063.D**	Sample Name	**2090202**
Operator	**B.Patel**	Misc Info	**Field Blank**
Date Acquired	**30-Dec-02**	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	**BN06063.D**	Sample Name	**2090202**
Operator	**B.Patel**	Misc Info	**Field Blank**
Date Acquired	**30-Dec-02**	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: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20902 Location: M2 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 2090202

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06063.D

Level: (low/med) LOW Date Received: 12/27/02

% Moisture: decanted: (Y/N) N Date Extracted: 12/30/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/02

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	7.70	6	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06050.D**	Sample Name	**2088703**
Operator	**B.Patel**	Misc Info	**Dupe**
Date Acquired	**19-Dec-02**	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	

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Data File Name	**BN06050.D**	Sample Name	**2088703**
Operator	**B.Patel**	Misc Info	**Dupe**
Date Acquired	**19-Dec-02**	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.: 20887 Location: M2 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 2088703

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06050.D

Level: (low/med) LOW Date Received: 12/16/02

% Moisture: decanted: (Y/N) N Date Extracted: 12/18/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/02

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	7.70	12	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07448.D**	Sample Name	**2090403**
Operator	**BPatel**	Misc Info	**Dupe**
Date Acquired	**15-Jan-03**	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	13.78	192851	2.64 ug/L	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	18.07	352866	6.59 ug/L	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	18.48	465690	5.90 ug/L	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	**BNA07448.D**	Sample Name	**2090403**
Operator	**BPatel**	Misc Info	**Dupe**
Date Acquired	**15-Jan-03**	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	19.32	260231	4.10 ug/L	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
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.: 20904 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2090403

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07448.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: decanted: (Y/N) N Date Extracted: 1/3/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/15/03

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	7.33	9	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06064.D**	Sample Name	**2090203**
Operator	**B.Patel**	Misc Info	**Dupe**
Date Acquired	**30-Dec-02**	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	**BN06064.D**	Sample Name	**2090203**
Operator	**B.Patel**	Misc Info	**Dupe**
Date Acquired	**30-Dec-02**	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.: 20902 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 2090203

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06064.D

Level: (low/med) LOW Date Received: 12/27/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/30/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/02

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	7.70	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06123.D**	Sample Name	**2090413**
Operator	**B.Patel**	Misc Info	**M2MW01**
Date Acquired	**16-Jan-03**	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	**BN06123.D**	Sample Name	**2090413**
Operator	**B.Patel**	Misc Info	**M2MW01**
Date Acquired	**16-Jan-03**	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: **M2MW01**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20904 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 2090413

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06123.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/3/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/16/03

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	7.68	11	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06115.D**	Sample Name	**2090405**
Operator	**B.Patel**	Misc Info	**M2MW02**
Date Acquired	**15-Jan-03**	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	**BN06115.D**	Sample Name	**2090405**
Operator	**B.Patel**	Misc Info	**M2MW02**
Date Acquired	**15-Jan-03**	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	28.49	43482	1.38 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
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: **M2MW02**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20904 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 2090405

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06115.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/3/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/15/03

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: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.30	120	J
2. 000077-74-7	3-Pentanol, 3-methyl-	5.76	110	JN
3. 001462-03-9	Cyclopentanol, 1-methyl-	6.62	58	JN
4.	unknown	7.67	11	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06069.D**	Sample Name	**2090208**
Operator	**B.Patel**	Misc Info	**M2MW03**
Date Acquired	**30-Dec-02**	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	11.15	39002	1.31 ug/L	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	18.37	116396	3.30 ug/L	400	0.86	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.37	ug/L	
132-64-9	Dibenzofuran	18.78	52450	1.05 ug/L	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	**BN06069.D**	Sample Name	**2090208**
Operator	**B.Patel**	Misc Info	**M2MW03**
Date Acquired	**30-Dec-02**	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	19.61	37527	1.06 ug/L	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: **M2MW03**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20902 Location: M2 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 2090208

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06069.D

Level: (low/med) LOW Date Received: 12/27/02

% Moisture: decanted: (Y/N) N Date Extracted: 12/30/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/02

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	7.70	11	J
2.	unknown	29.96	5	J
3.	unknown	36.17	55	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06121.D**	Sample Name	**2090411**
Operator	**B.Patel**	Misc Info	**M2MW04**
Date Acquired	**15-Jan-03**	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	**BN06121.D**	Sample Name	**2090411**
Operator	**B.Patel**	Misc Info	**M2MW04**
Date Acquired	**15-Jan-03**	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: **M2MW04**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20904 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 2090411

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06121.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/3/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/15/03

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	7.68	12	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06051.D**	Sample Name	**2088704**
Operator	**B.Patel**	Misc Info	**M2MW05**
Date Acquired	**19-Dec-02**	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	**BN06051.D**	Sample Name	**2088704**
Operator	**B.Patel**	Misc Info	**M2MW05**
Date Acquired	**19-Dec-02**	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: **M2MW05**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20887 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 2088704

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06051.D

Level: (low/med) LOW Date Received: 12/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/18/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/02

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	7.70	11	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06073.D**	Sample Name	**2090301**
Operator	**B.Patel**	Misc Info	**M2MW06**
Date Acquired	**31-Dec-02**	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	**BN06073.D**	Sample Name	**2090301**
Operator	**B.Patel**	Misc Info	**M2MW06**
Date Acquired	**31-Dec-02**	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: **M2MW06**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20903 Location: M2 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 2090301

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06073.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: decanted: (Y/N) N Date Extracted: 12/30/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.34	8	J
2.	unknown	5.80	7	J
3.	unknown	7.70	15	J
4.	unknown	36.15	33	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06052.D**	Sample Name	**2088705**
Operator	**B.Patel**	Misc Info	**M2MW07**
Date Acquired	**19-Dec-02**	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	**BN06052.D**	Sample Name	**2088705**
Operator	**B.Patel**	Misc Info	**M2MW07**
Date Acquired	**19-Dec-02**	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: **M2MW07**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20887 Location: M2 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 2088705

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06052.D

Level: (low/med) LOW Date Received: 12/16/02

% Moisture: decanted: (Y/N) N Date Extracted: 12/18/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/02

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	7.70	13	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06053.D**	Sample Name	**2088706**
Operator	**B.Patel**	Misc Info	**M2MW08**
Date Acquired	**20-Dec-02**	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	**BN06053.D**	Sample Name	**2088706**
Operator	**B.Patel**	Misc Info	**M2MW08**
Date Acquired	**20-Dec-02**	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: **M2MW08**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20887 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 2088706

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06053.D

Level: (low/med) LOW Date Received: 12/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/18/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/02

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	7.70	12	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06074.D**	Sample Name	**2090302**
Operator	**B.Patel**	Misc Info	**M2MW09**
Date Acquired	**31-Dec-02**	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	**BN06074.D**	Sample Name	**2090302**
Operator	**B.Patel**	Misc Info	**M2MW09**
Date Acquired	**31-Dec-02**	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: **M2MW09**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20903 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 2090302

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06074.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/30/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/02

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	7.70	15	J
2.	unknown	36.18	85	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06054.D**	Sample Name	**2088707**
Operator	**B.Patel**	Misc Info	**M2MW10**
Date Acquired	**20-Dec-02**	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	**BN06054.D**	Sample Name	**2088707**
Operator	**B.Patel**	Misc Info	**M2MW10**
Date Acquired	**20-Dec-02**	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: **M2MW10**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20887 Location: M2 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 2088707

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06054.D

Level: (low/med) LOW Date Received: 12/16/02

% Moisture: decanted: (Y/N) N Date Extracted: 12/18/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/02

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	7.70	13	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06065.D**	Sample Name	**2090204**
Operator	**B.Patel**	Misc Info .	**M2MW11**
Date Acquired	**30-Dec-02**	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	**BN06065.D**	Sample Name	**2090204**
Operator	**B.Patel**	Misc Info	**M2MW11**
Date Acquired	**30-Dec-02**	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: **M2MW11**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20902 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 2090204

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06065.D

Level: (low/med) LOW Date Received: 12/27/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/30/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/02

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: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.70	7	J
2.	unknown	36.16	34	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06066.D**	Sample Name	**2090205**
Operator	**B.Patel**	Misc Info	**M2MW12**
Date Acquired	**30-Dec-02**	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	

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Data File Name	**BN06066.D**	Sample Name	**2090205**
Operator	**B.Patel**	Misc Info	**M2MW12**
Date Acquired	**30-Dec-02**	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: **M2MW12**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20902 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 2090205

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06066.D

Level: (low/med) LOW Date Received: 12/27/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/30/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/02

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: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.70	8	J
2.	unknown	36.19	73	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06070.D**	Sample Name	**2090209**
Operator	**B.Patel**	Misc Info	**M2MW13**
Date Acquired	**30-Dec-02**	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	**BN06070.D**	Sample Name	**2090209**
Operator	**B.Patel**	Misc Info	**M2MW13**
Date Acquired	**30-Dec-02**	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: **M2MW13**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20902 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 2090209

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06070.D

Level: (low/med) LOW Date Received: 12/27/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/30/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/02

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	7.70	11	J
2.	unknown	36.18	51	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06071.D**	Sample Name	**2090210**
Operator	**B.Patel**	Misc Info	**M2MW14**
Date Acquired	**30-Dec-02**	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	**BN06071.D**	Sample Name	**2090210**
Operator	**B.Patel**	Misc Info	**M2MW14**
Date Acquired	**30-Dec-02**	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: **M2MW14**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20902 Location: M2 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 2090210

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06071.D

Level: (low/med) LOW Date Received: 12/27/02

% Moisture: decanted: (Y/N) N Date Extracted: 12/30/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/02

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	7.69	11	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06122.D**	Sample Name	**2090412**
Operator	**B.Patel**	Misc Info	**M2MW15**
Date Acquired	**16-Jan-03**	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	14.10	97251	1.68 ug/L	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	18.37	188176	5.84 ug/L	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	18.78	230499	5.12 ug/L	NLE	0.85	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.58	10.00	ug/L	

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Data File Name	**BN06122.D**	Sample Name	**2090412**
Operator	**B.Patel**	Misc Info	**M2MW15**
Date Acquired	**16-Jan-03**	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	19.61	125818	3.87 ug/L	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

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: **M2MW15**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20904 Location: M2 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 2090412

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06122.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: decanted: (Y/N) N Date Extracted: 1/3/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/16/03

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	7.68	11	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06120.D**	Sample Name	**2090410**
Operator	**B.Patel**	Misc Info	**M2MW16**
Date Acquired	**15-Jan-03**	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	**BN06120.D**	Sample Name	**2090410**
Operator	**B.Patel**	Misc Info	**M2MW16**
Date Acquired	**15-Jan-03**	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

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: **M2MW16**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20904 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 2090410

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06120.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/3/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/15/03

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	7.68	11	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06117.D**	Sample Name	**2090407**
Operator	**B.Patel**	Misc Info	**M2MW17**
Date Acquired	**15-Jan-03**	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	**BN06117.D**	Sample Name	**2090407**
Operator	**B.Patel**	Misc Info	**M2MW17**
Date Acquired	**15-Jan-03**	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: **M2MW17**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20904 Location: M2 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 2090407

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06117.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: decanted: (Y/N) N Date Extracted: 1/3/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/15/03

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	7.68	10	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06116.D**	Sample Name	**2090406**
Operator	**B.Patel**	Misc Info	**M2MW18**
Date Acquired	**15-Jan-03**	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	**BN06116.D**	Sample Name	**2090406**
Operator	**B.Patel**	Misc Info	**M2MW18**
Date Acquired	**15-Jan-03**	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

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.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **M2MW18**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20904 Location: M2 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 2090406

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06116.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: decanted: (Y/N) N Date Extracted: 1/3/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/15/03

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	10	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06067.D**	Sample Name	**2090206**
Operator	**B.Patel**	Misc Info	**M2MW19**
Date Acquired	**30-Dec-02**	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	**BN06067.D**	Sample Name	**2090206**
Operator	**B.Patel**	Misc Info	**M2MW19**
Date Acquired	**30-Dec-02**	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: **M2MW19**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20902 Location: M2 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 2090206

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06067.D

Level: (low/med) LOW Date Received: 12/27/02

% Moisture: decanted: (Y/N) N Date Extracted: 12/30/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/02

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: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.69	8	J
2. 000629-62-9	Pentadecane	18.13	4	JN
3.	unknown	36.18	56	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06068.D**	Sample Name	**2090207**
Operator	**B.Patel**	Misc Info	**M2MW20**
Date Acquired	**30-Dec-02**	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	**BN06068.D**	Sample Name	**2090207**
Operator	**B.Patel**	Misc Info	**M2MW20**
Date Acquired	**30-Dec-02**	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

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **M2MW20**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20902 Location: M2 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 2090207

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06068.D

Level: (low/med) LOW Date Received: 12/27/02

% Moisture: decanted: (Y/N) N Date Extracted: 12/30/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/02

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	7.69	8	J
2. 000629-62-9	Pentadecane	18.12	5	JN
3.	unknown	36.17	64	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06118.D**	Sample Name	**2090408**
Operator	**B.Patel**	Misc Info	**M2MW21**
Date Acquired	**15-Jan-03**	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	10.99	41441	1.74 ug/L	600	0.90	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene	11.14	66871	2.78 ug/L	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	15.75	92753	2.97 ug/L	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	**BN06118.D**	Sample Name	**2090408**
Operator	**B.Patel**	Misc Info	**M2MW21**
Date Acquired	**15-Jan-03**	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	28.49	159475	4.84 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
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: **M2MW21**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20904 Location: M2 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 2090408

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06118.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: decanted: (Y/N) N Date Extracted: 1/3/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/15/03

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.67	15	J
2. 000057-10-3	Hexadecanoic acid	23.27	22	JN
3. 000057-11-4	Octadecanoic acid	25.18	10	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07449.D**	Sample Name	**2090404**
Operator	**BPatel**	Misc Info	**M2MW22**
Date Acquired	**15-Jan-03**	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	10.83	33073	1.05 ug/L	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	**BNA07449.D**	Sample Name	**2090404**
Operator	**BPatel**	Misc Info	**M2MW22**
Date Acquired	**15-Jan-03**	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
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: **M2MW22**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20904 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2090404

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07449.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: decanted: (Y/N) N Date Extracted: 1/3/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/15/03

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.41	95	J
2.	unknown	6.27	47	J
3.	unknown	7.34	8	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06072.D**	Sample Name	**2090211**
Operator	**B.Patel**	Misc Info	**M2MW23**
Date Acquired	**31-Dec-02**	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	11.15	39187	1.33 ug/L	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	**BN06072.D**	Sample Name	**2090211**
Operator	**B.Patel**	Misc Info	**M2MW23**
Date Acquired	**31-Dec-02**	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	28.49	40135	1.16 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: **M2MW23**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20902 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 2090211

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06072.D

Level: (low/med) LOW Date Received: 12/27/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/30/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/02

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: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.70	12	J
2.	unknown	36.17	71	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06119.D**	Sample Name	**2090409**
Operator	**B.Patel**	Misc Info	**M2MW24**
Date Acquired	**15-Jan-03**	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	11.15	53854	2.24 ug/L	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	15.75	82697	2.62 ug/L	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	**BN06119.D**	Sample Name	**2090409**
Operator	**B.Patel**	Misc Info	**M2MW24**
Date Acquired	**15-Jan-03**	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	19.41	48236	1.20 ug/L	5000	0.71	10.00	ug/L	
86-73-7	Fluorene	19.61	37126	1.17 ug/L	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	19.93	23093	1.00 ug/L	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	28.49	169717	5.10 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: **M2MW24**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20904 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 2090409

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06119.D

Level: (low/med) LOW Date Received: 12/30/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/3/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/15/03

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.68	11	J
2. 000098-82-8	Benzene, (1-methylethyl)-	9.37	5	JN
3. 000103-65-1	Benzene, propyl-	9.95	7	JN
4. 000496-11-7	Indane	11.51	11	JN
5.	unknown	12.30	9	J
6. 000488-23-3	Benzene, 1,2,3,4-tetramethyl-	12.85	6	JN
7. 000767-58-8	Indan, 1-methyl-	13.28	4	JN
8. 002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	13.44	19	JN
9. 000090-12-0	Naphthalene, 1-methyl-	16.00	21	JN
10. 000581-42-0	Naphthalene, 2,6-dimethyl-	17.27	6	JN
11. 000581-40-8	Naphthalene, 2,3-dimethyl-	17.46	8	JN
12.	unknown	18.62	7	J
13.	unknown	18.99	6	J
14.	unknown	19.48	7	J
15.	unknown	19.55	12	J
16. 000934-34-9	2(3H)-Benzothiazolone	20.56	7	JN
17.	unknown	36.16	16	J

TABULATED ANALYTICAL REPORT
SW 846 8081

MB 123102

Matrix: Aqueous
Date Extracted: 12/31/02
Ext. Batch:
Filename: 00073.D
Date Analysed: 3 Feb 2003 4:00 pm

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	MDL (ug/L)
319-84-6	alpha-BHC	U	0.05
58-89-9	gamma-BHC (Lindane)	U	0.05
76-44-8	Heptachlor	U	0.05
309-00-2	Aldrin	U	0.05
319-85-7	beta-BHC	U	0.05
319-86-8	delta-BHC	U	0.05
1024-57-3	Heptachlor epoxide	U	0.05
959-98-8	Endosulfan I	U	0.05
72-55-9	4,4'-DDE	U	0.05
60-57-1	Dieldrin	U	0.05
72-20-8	Endrin	U	0.05
33213-65-9	Endosulfan II	U	0.05
72-54-8	4,4'-DDD	U	0.05
50-29-3	4,4'-DDT	U	0.05
7421-93-4	Endrin aldehyde	U	0.05
1031-07-8	Endosulfan Sulfate	U	0.05
8001-35-2	Toxaphene	U	0.50
5103-71-9	Chlordane	U	0.50

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL

Initial vol. (ml): 1000.00
Final vol: 10

TABULATED ANALYTICAL REPORT
SW 846 8081

MB 010203

Matrix: Aqueous
Date Extracted: 1/2/03
Ext. Batch:
Filename: 00011.D
Date Analysed: 2/10/03

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	MDL (ug/L)
319-84-6	alpha-BHC	U	0.05
58-89-9	gamma-BHC (Lindane)	U	0.05
76-44-8	Heptachlor	U	0.05
309-00-2	Aldrin	U	0.05
319-85-7	beta-BHC	U	0.05
319-86-8	delta-BHC	U	0.05
1024-57-3	Heptachlor epoxide	U	0.05
959-98-8	Endosulfan I	U	0.05
72-55-9	4,4'-DDE	U	0.05
60-57-1	Dieldrin	U	0.05
72-20-8	Endrin	U	0.05
33213-65-9	Endosulfan II	U	0.05
72-54-8	4,4'-DDD	U	0.05
50-29-3	4,4'-DDT	U	0.05
7421-93-4	Endrin aldehyde	U	0.05
1031-07-8	Endosulfan Sulfate	U	0.05
8001-35-2	Toxaphene	U	0.50
5103-71-9	Chlordane	U	0.50

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: M2 Wells
Field ID: FIELDBLANK
Lab ID: 2090202
Filename: 00075.D
Lab Project : 20902

Location: M2 Wells, 4th Qrtr.' 02
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 12/31/02
Date Analyzed: 3 Feb 2003 5:08 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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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.

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	**Location:**	4th Qrtr. '02
Project Name:	M2 Wells	**MATRIX:**	Aqueous
Field ID:	FIELDBLANK	**Ext. Batch:**	
Lab ID:	2090402	**Date Extracted:**	1/2/03
Filename:	00013.D	**Date Analyzed:**	10-Feb-03
Lab Project :	20904	**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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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.

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: M2 Wells
Field ID: Dupe
Lab ID: 2090203
Filename: 00076.D
Lab Project : 20902

Location: M2 Wells, 4th Qrtr.' 02
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 12/31/02
Date Analyzed: 3 Feb 2003 5:41 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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: Dupe
Lab ID: 2090403
Filename: 00014.D
Lab Project : 20904

Location: 4th Qrtr. '02
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 1/2/03
Date Analyzed: 10-Feb-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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW 01
Lab ID: 2090413
Filename: 00024.D
Lab Project : 20904

Location: 4th Qrtr. '02
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 1/2/03
Date Analyzed: 10-Feb-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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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Report of Analysis
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW 02
Lab ID: 2090405
Filename: 00016.D
Lab Project : 20904

Location: 4th Qrtr. '02
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 1/2/03
Date Analyzed: 10-Feb-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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW 03
Lab ID: 2090208
Filename: 00081.D
Lab Project : 20902

Location: M2 Wells, 4th Qrtr.' 02
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 12/31/02
Date Analyzed: 3 Feb 2003 8:29 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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW 04
Lab ID: 2090411
Filename: 00022.D
Lab Project : 20904

Location: 4th Qrtr. '02
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 1/2/03
Date Analyzed: 10-Feb-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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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Report of Analysis
NJDEP Certification # 13461
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW 06
Lab ID: 2090301
Filename: 00085.D
Lab Project : 20903

Location: M2 Wells, 4th Qrtr.' 02 L
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 12/31/02
Date Analyzed: 3 Feb 2003 10:44 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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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Report of Analysis
NJDEP Certification # 13461
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW 09
Lab ID: 2090302
Filename: 00086.D
Lab Project : 20903

Location: M2 Wells, 4th Qrtr.' 02 L
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 12/31/02
Date Analyzed: 3 Feb 2003 11:17 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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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Report of Analysis
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW 11
Lab ID: 2090204
Filename: 00077.D
Lab Project : 20902

Location: M2 Wells, 4th Qrtr.' 02
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 12/31/02
Date Analyzed: 3 Feb 2003 6:15 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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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Report of Analysis
NJDEP Certification # 13461
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW 12
Lab ID: 2090205
Filename: 00078.D
Lab Project : 20902

Location: M2 Wells, 4th Qrtr.' 02
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 12/31/02
Date Analyzed: 3 Feb 2003 6:49 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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW 13
Lab ID: 2090209
Filename: 00082.D
Lab Project : 20902

Location: M2 Wells, 4th Qrtr.' 02
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 12/31/02
Date Analyzed: 3 Feb 2003 9:03 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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW 14
Lab ID: 2090210
Filename: 00083.D
Lab Project : 20902

Location: M2 Wells, 4th Qrtr.' 02
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 12/31/02
Date Analyzed: 3 Feb 2003 9:37 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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW15
Lab ID: 2090412
Filename: 00023.D
Lab Project : 20904

Location: 4th Qrtr. '02
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 1/2/03
Date Analyzed: 10-Feb-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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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Report of Analysis
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW 16
Lab ID: 2090410
Filename: 00021.D
Lab Project : 20904

Location: 4th Qrtr. '02
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 1/2/03
Date Analyzed: 10-Feb-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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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PESTICIDES/PCB

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:**	4th Qrtr. '02
Project Name:	M2 Wells	**MATRIX:**	Aqueous
Field ID:	M2 MW 17	**Ext. Batch:**	
Lab ID:	2090407	**Date Extracted:**	1/2/03
Filename:	00018.D	**Date Analyzed:**	10-Feb-03
Lab Project :	20904	**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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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Report of Analysis
NJDEP Certification # 13461
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW 18
Lab ID: 2090406
Filename: 00017.D
Lab Project : 20904

Location: 4th Qrtr. '02
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 1/2/03
Date Analyzed: 10-Feb-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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW 19
Lab ID: 2090206
Filename: 00079.D
Lab Project : 20902

Location: M2 Wells, 4th Qrtr.' 02
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 12/31/02
Date Analyzed: 3 Feb 2003 7:22 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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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Report of Analysis
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW 20
Lab ID: 2090207
Filename: 00080.D
Lab Project : 20902

Location: M2 Wells, 4th Qrtr.' 02
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 12/31/02
Date Analyzed: 3 Feb 2003 7:56 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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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PESTICIDES/PCB

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:**	4th Qrtr. '02
Project Name:	M2 Wells	**MATRIX:**	Aqueous
Field ID:	M2 MW 21	**Ext. Batch:**	
Lab ID:	2090408	**Date Extracted:**	1/2/03
Filename:	00019.D	**Date Analyzed:**	10-Feb-03
Lab Project :	20904	**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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	0.07	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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Report of Analysis
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PESTICIDES/PCB

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:**	4th Qrtr. '02
Project Name:	M2 Wells	**MATRIX:**	Aqueous
Field ID:	M2 MW 22	**Ext. Batch:**	
Lab ID:	2090404	**Date Extracted:**	1/2/03
Filename:	00015.D	**Date Analyzed:**	10-Feb-03
Lab Project :	20904	**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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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Report of Analysis
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PESTICIDES/PCB

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:**	M2 Wells, 4th Qrtr.' 02
Project Name:	M2 Wells	**MATRIX:**	Aqueous
Field ID:	M2 MW 23	**Ext. Batch:**	
Lab ID:	2090211	**Date Extracted:**	12/31/02
Filename:	00084.D	**Date Analyzed:**	3 Feb 2003 10:10 pm
Lab Project :	20902	**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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW 24
Lab ID: 2090409
Filename: 00020.D
Lab Project : 20904

Location: 4th Qrtr. '02
MATRIX: Aqueous
Ext. Batch:
Date Extracted: 1/2/03
Date Analyzed: 10-Feb-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		0.05
319-85-7	beta-BHC	ND	0.01	0.20		0.05
58-89-9	gamma-BHC	ND	0.01	0.20		0.05
319-86-8	delta-BHC	ND	0.01	NLE		0.05
76-44-8	Heptachlor	ND	0.01	0.40		0.05
309-00-2	Aldrin	ND	0.01	0.04		0.05
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.05
5103-71-9	gamma-Chlordane	ND	0.01	0.50		0.05
5103-74-2	alpha-Chlordane	ND	0.01	0.50		0.05
959-98-8	Endosulfan I	ND	0.01	0.40		0.05
72-55-9	4,4'-DDE	ND	0.01	0.10		0.05
60-57-1	Dieldrin	ND	0.01	0.03		0.05
72-20-8	Endrin	ND	0.01	2.00		0.05
33213-65-9	Endosulfan II	ND	0.01	0.40		0.05
72-54-8	4,4'-DDD	ND	0.01	0.10		0.05
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.05
50-29-3	4,4'-DDT	ND	0.01	0.10		0.05
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.05
53494-70-5	Endrin ketone	ND	0.50	0.01		0.05
72-43-5	Methoxychlor	ND	0.50	40.00		0.05
8001-35-2	Toxaphene	ND	0.50	3.00		0.50
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.07
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.07
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.06
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.05
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.05
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.06
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.07

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.

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 #: 20887
Sample Prepared: 12/30/02

Site: M2
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)*	MDL (ug/L)
Aluminum	12/31/02	ND	200	10.0
Antimony	12/31/02	3.58	20	2.0
Arsenic	12/31/02	ND	8	2.0
Barium	12/31/02	ND	2000	0.5
Beryllium	12/31/02	ND	20	0.5
Cadmium	12/31/02	ND	4	0.5
Calcium	12/31/02	179	NLE	20.0
Chromium	12/31/02	0.591	100	0.5
Cobalt	12/31/02	ND	NLE	0.5
Copper	12/31/02	ND	1000	2.0
Iron	12/31/02	70.0	300	10.0
Lead	12/31/02	ND	10	1.0
Magnesium	12/31/02	ND	NLE	10.0
Manganese	12/31/02	ND	50	0.5
Mercury	12/31/02	ND	2	0.1
Nickel	12/31/02	ND	100	1.0
Potassium	12/31/02	597	NLE	40.0
Selenium	12/31/02	ND	50	3.0
Silver	12/31/02	ND	20	1.0
Sodium	12/31/02	1380	50000	20.0
Thallium	12/31/02	ND	10	2.0
Vanadium	12/31/02	ND	NLE	0.5
Zinc	12/31/02	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 #: 20904
Sample Prepared: 01/02/03

Site: M2
Ft. Monmouth, New Jersey

Field ID#: Method Blank

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/06/03	22.4	200	10.0
Antimony	01/06/03	4.96	20	2.0
Arsenic	01/06/03	ND	8	2.0
Barium	01/06/03	ND	2000	0.5
Beryllium	01/06/03	ND	20	0.5
Cadmium	01/06/03	ND	4	0.5
Calcium	01/06/03	ND	NLE	20.0
Chromium	01/06/03	1.91	100	0.5
Cobalt	01/06/03	ND	NLE	0.5
Copper	01/06/03	ND	1000	2.0
Iron	01/06/03	71.2	300	10.0
Lead	01/06/03	ND	10	1.0
Magnesium	01/06/03	14.2	NLE	10.0
Manganese	01/06/03	1.03	50	0.5
Mercury	01/07/03	ND	2	0.1
Nickel	01/06/03	ND	100	1.0
Potassium	01/06/03	837	NLE	40.0
Selenium	01/06/03	3.53	50	3.0
Silver	01/06/03	ND	20	1.0
Sodium	01/06/03	ND	50000	20.0
Thallium	01/06/03	ND	10	2.0
Vanadium	01/06/03	ND	NLE	0.5
Zinc	01/06/03	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 #: 2088702
Sample Received: 12/16/02
Sample Matrix: Aqueous

Site: M2
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)*	MDL (ug/L)
Aluminum	12/31/02	ND	200	10.0
Antimony	12/31/02	ND	20	2.0
Arsenic	12/31/02	ND	8	2.0
Barium	12/31/02	0.752	2000	0.5
Beryllium	12/31/02	ND	20	0.5
Cadmium	12/31/02	ND	4	0.5
Calcium	12/31/02	239	NLE	20.0
Chromium	12/31/02	ND	100	0.5
Cobalt	12/31/02	ND	NLE	0.5
Copper	12/31/02	ND	1000	2.0
Iron	12/31/02	38.4	300	10.0
Lead	12/31/02	ND	10	1.0
Magnesium	12/31/02	17.1	NLE	10.0
Manganese	12/31/02	1.32	50	0.5
Mercury	12/31/02	ND	2	0.1
Nickel	12/31/02	ND	100	1.0
Potassium	12/31/02	406	NLE	40.0
Selenium	12/31/02	3.92	50	3.0
Silver	12/31/02	ND	20	1.0
Sodium	12/31/02	597	50000	20.0
Thallium	12/31/02	ND	10	2.0
Vanadium	12/31/02	ND	NLE	0.5
Zinc	12/31/02	6.66	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 #: 2090202
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
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)*	MDL (ug/L)
Aluminum	12/31/02	46.7	200	10.0
Antimony	12/31/02	ND	20	2.0
Arsenic	12/31/02	ND	8	2.0
Barium	12/31/02	ND	2000	0.5
Beryllium	12/31/02	ND	20	0.5
Cadmium	12/31/02	ND	4	0.5
Calcium	12/31/02	45.1	NLE	20.0
Chromium	12/31/02	1.45	100	0.5
Cobalt	12/31/02	ND	NLE	0.5
Copper	12/31/02	ND	1000	2.0
Iron	12/31/02	82.0	300	10.0
Lead	12/31/02	ND	10	1.0
Magnesium	12/31/02	13.2	NLE	10.0
Manganese	12/31/02	ND	50	0.5
Mercury	12/31/02	ND	2	0.1
Nickel	12/31/02	ND	100	1.0
Potassium	12/31/02	ND	NLE	40.0
Selenium	12/31/02	ND	50	3.0
Silver	12/31/02	ND	20	1.0
Sodium	12/31/02	ND	50000	20.0
Thallium	12/31/02	ND	10	2.0
Vanadium	12/31/02	ND	NLE	0.5
Zinc	12/31/02	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 #: 2090402
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
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)*	MDL (ug/L)
Aluminum	01/06/03	24.4	200	10.0
Antimony	01/06/03	ND	20	2.0
Arsenic	01/06/03	ND	8	2.0
Barium	01/06/03	1.07	2000	0.5
Beryllium	01/06/03	ND	20	0.5
Cadmium	01/06/03	ND	4	0.5
Calcium	01/06/03	43.1	NLE	20.0
Chromium	01/06/03	1.07	100	0.5
Cobalt	01/06/03	ND	NLE	0.5
Copper	01/06/03	ND	1000	2.0
Iron	01/06/03	35.7	300	10.0
Lead	01/06/03	ND	10	1.0
Magnesium	01/06/03	20.4	NLE	10.0
Manganese	01/06/03	3.91	50	0.5
Mercury	01/07/03	ND	2	0.1
Nickel	01/06/03	ND	100	1.0
Potassium	01/06/03	385	NLE	40.0
Selenium	01/06/03	ND	50	3.0
Silver	01/06/03	ND	20	1.0
Sodium	01/06/03	ND	50000	20.0
Thallium	01/06/03	ND	10	2.0
Vanadium	01/06/03	ND	NLE	0.5
Zinc	01/06/03	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 #: 2088703
Sample Received: 12/16/02
Sample Matrix: Aqueous

Site: M2
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)*	MDL (ug/L)
Aluminum	12/31/02	49.7	200	10.0
Antimony	12/31/02	ND	20	2.0
Arsenic	12/31/02	2.80	8	2.0
Barium	12/31/02	397	2000	0.5
Beryllium	12/31/02	ND	20	0.5
Cadmium	12/31/02	ND	4	0.5
Calcium	12/31/02	48300	NLE	20.0
Chromium	12/31/02	0.843	100	0.5
Cobalt	12/31/02	ND	NLE	0.5
Copper	12/31/02	ND	1000	2.0
Iron	12/31/02	9500	300	10.0
Lead	12/31/02	ND	10	1.0
Magnesium	12/31/02	3140	NLE	10.0
Manganese	12/31/02	70.7	50	0.5
Mercury	12/31/02	ND	2	0.1
Nickel	12/31/02	ND	100	1.0
Potassium	12/31/02	5390	NLE	40.0
Selenium	12/31/02	ND	50	3.0
Silver	12/31/02	ND	20	1.0
Sodium	12/31/02	7340	50000	20.0
Thallium	12/31/02	ND	10	2.0
Vanadium	12/31/02	3.11	NLE	0.5
Zinc	12/31/02	19.4	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-

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 #: 2090203
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
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)*	MDL (ug/L)
Aluminum	12/31/02	21.0	200	10.0
Antimony	12/31/02	ND	20	2.0
Arsenic	12/31/02	2.72	8	2.0
Barium	12/31/02	35.2	2000	0.5
Beryllium	12/31/02	ND	20	0.5
Cadmium	12/31/02	0.573	4	0.5
Calcium	12/31/02	15000	NLE	20.0
Chromium	12/31/02	3.72	100	0.5
Cobalt	12/31/02	0.579	NLE	0.5
Copper	12/31/02	ND	1000	2.0
Iron	12/31/02	22700	300	10.0
Lead	12/31/02	ND	10	1.0
Magnesium	12/31/02	5530	NLE	10.0
Manganese	12/31/02	242	50	0.5
Mercury	12/31/02	ND	2	0.1
Nickel	12/31/02	ND	100	1.0
Potassium	12/31/02	1400	NLE	40.0
Selenium	12/31/02	ND	50	3.0
Silver	12/31/02	ND	20	1.0
Sodium	12/31/02	17000	50000	20.0
Thallium	12/31/02	ND	10	2.0
Vanadium	12/31/02	ND	NLE	0.5
Zinc	12/31/02	6.46	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 #: 2090403
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
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)*	MDL (ug/L)
Aluminum	01/06/03	457	200	10.0
Antimony	01/06/03	ND	20	2.0
Arsenic	01/06/03	10.9	8	2.0
Barium	01/06/03	45.6	2000	0.5
Beryllium	01/06/03	ND	20	0.5
Cadmium	01/06/03	ND	4	0.5
Calcium	01/06/03	69300	NLE	20.0
Chromium	01/06/03	3.21	100	0.5
Cobalt	01/06/03	3.01	NLE	0.5
Copper	01/06/03	6.72	1000	2.0
Iron	01/06/03	15800	300	10.0
Lead	01/06/03	2.22	10	1.0
Magnesium	01/06/03	10100	NLE	10.0
Manganese	01/06/03	173	50	0.5
Mercury	01/07/03	ND	2	0.1
Nickel	01/06/03	15.9	100	1.0
Potassium	01/06/03	7440	NLE	40.0
Selenium	01/06/03	ND	50	3.0
Silver	01/06/03	ND	20	1.0
Sodium	01/06/03	18500	50000	20.0
Thallium	01/06/03	ND	10	2.0
Vanadium	01/06/03	35.0	NLE	0.5
Zinc	01/06/03	127	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 #: 2090413
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW01

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/06/03	286	200	10.0
Antimony	01/06/03	ND	20	2.0
Arsenic	01/06/03	2.51	8	2.0
Barium	01/06/03	62.0	2000	0.5
Beryllium	01/06/03	ND	20	0.5
Cadmium	01/06/03	1.40	4	0.5
Calcium	01/06/03	9030	NLE	20.0
Chromium	01/06/03	1.38	100	0.5
Cobalt	01/06/03	1.72	NLE	0.5
Copper	01/06/03	3.97	1000	2.0
Iron	01/06/03	143	300	10.0
Lead	01/06/03	ND	10	1.0
Magnesium	01/06/03	1510	NLE	10.0
Manganese	01/06/03	63.5	50	0.5
Mercury	01/07/03	ND	2	0.1
Nickel	01/06/03	6.30	100	1.0
Potassium	01/06/03	3810	NLE	40.0
Selenium	01/06/03	ND	50	3.0
Silver	01/06/03	ND	20	1.0
Sodium	01/06/03	3820	50000	20.0
Thallium	01/06/03	ND	10	2.0
Vanadium	01/06/03	ND	NLE	0.5
Zinc	01/06/03	655	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 #: 2090405
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW02

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/06/03	ND	200	10.0
Antimony	01/06/03	ND	20	2.0
Arsenic	01/06/03	4.25	8	2.0
Barium	01/06/03	203	2000	0.5
Beryllium	01/06/03	ND	20	0.5
Cadmium	01/06/03	ND	4	0.5
Calcium	01/06/03	64500	NLE	20.0
Chromium	01/06/03	0.711	100	0.5
Cobalt	01/06/03	0.627	NLE	0.5
Copper	01/06/03	2.95	1000	2.0
Iron	01/06/03	25300	300	10.0
Lead	01/06/03	ND	10	1.0
Magnesium	01/06/03	6470	NLE	10.0
Manganese	01/06/03	178	50	0.5
Mercury	01/07/03	ND	2	0.1
Nickel	01/06/03	ND	100	1.0
Potassium	01/06/03	7240	NLE	40.0
Selenium	01/06/03	ND	50	3.0
Silver	01/06/03	ND	20	1.0
Sodium	01/06/03	8060	50000	20.0
Thallium	01/06/03	ND	10	2.0
Vanadium	01/06/03	ND	NLE	0.5
Zinc	01/06/03	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 #: 2090208
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW03

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)*	MDL (ug/L)
Aluminum	12/31/02	166	200	10.0
Antimony	12/31/02	ND	20	2.0
Arsenic	12/31/02	ND	8	2.0
Barium	12/31/02	120	2000	0.5
Beryllium	12/31/02	ND	20	0.5
Cadmium	12/31/02	ND	4	0.5
Calcium	12/31/02	61700	NLE	20.0
Chromium	12/31/02	1.52	100	0.5
Cobalt	12/31/02	ND	NLE	0.5
Copper	12/31/02	ND	1000	2.0
Iron	12/31/02	9930	300	10.0
Lead	12/31/02	1.25	10	1.0
Magnesium	12/31/02	8440	NLE	10.0
Manganese	12/31/02	146	50	0.5
Mercury	12/31/02	ND	2	0.1
Nickel	12/31/02	5.15	100	1.0
Potassium	12/31/02	7950	NLE	40.0
Selenium	12/31/02	4.71	50	3.0
Silver	12/31/02	ND	20	1.0
Sodium	12/31/02	8260	50000	20.0
Thallium	12/31/02	ND	10	2.0
Vanadium	12/31/02	2.83	NLE	0.5
Zinc	12/31/02	23.6	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 #: 2090411
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW04

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/06/03	ND	200	10.0
Antimony	01/06/03	ND	20	2.0
Arsenic	01/06/03	2.96	8	2.0
Barium	01/06/03	166	2000	0.5
Beryllium	01/06/03	ND	20	0.5
Cadmium	01/06/03	ND	4	0.5
Calcium	01/06/03	28100	NLE	20.0
Chromium	01/06/03	ND	100	0.5
Cobalt	01/06/03	ND	NLE	0.5
Copper	01/06/03	ND	1000	2.0
Iron	01/06/03	28000	300	10.0
Lead	01/06/03	ND	10	1.0
Magnesium	01/06/03	3240	NLE	10.0
Manganese	01/06/03	235	50	0.5
Mercury	01/07/03	ND	2	0.1
Nickel	01/06/03	ND	100	1.0
Potassium	01/06/03	6300	NLE	40.0
Selenium	01/06/03	ND	50	3.0
Silver	01/06/03	ND	20	1.0
Sodium	01/06/03	7260	50000	20.0
Thallium	01/06/03	ND	10	2.0
Vanadium	01/06/03	ND	NLE	0.5
Zinc	01/06/03	7.25	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 #: 2088704
Sample Received: 12/16/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW05

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)*	MDL (ug/L)
Aluminum	12/31/02	80.8	200	10.0
Antimony	12/31/02	ND	20	2.0
Arsenic	12/31/02	3.50	8	2.0
Barium	12/31/02	908	2000	0.5
Beryllium	12/31/02	ND	20	0.5
Cadmium	12/31/02	0.629	4	0.5
Calcium	12/31/02	20000	NLE	20.0
Chromium	12/31/02	0.898	100	0.5
Cobalt	12/31/02	ND	NLE	0.5
Copper	12/31/02	2.73	1000	2.0
Iron	12/31/02	24300	300	10.0
Lead	12/31/02	ND	10	1.0
Magnesium	12/31/02	2620	NLE	10.0
Manganese	12/31/02	46.7	50	0.5
Mercury	12/31/02	ND	2	0.1
Nickel	12/31/02	ND	100	1.0
Potassium	12/31/02	6430	NLE	40.0
Selenium	12/31/02	ND	50	3.0
Silver	12/31/02	ND	20	1.0
Sodium	12/31/02	5020	50000	20.0
Thallium	12/31/02	ND	10	2.0
Vanadium	12/31/02	ND	NLE	0.5
Zinc	12/31/02	17.3	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 #: 2090301
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW06

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)*	MDL (ug/L)
Aluminum	12/31/02	113	200	10.0
Antimony	12/31/02	ND	20	2.0
Arsenic	12/31/02	ND	8	2.0
Barium	12/31/02	120	2000	0.5
Beryllium	12/31/02	ND	20	0.5
Cadmium	12/31/02	ND	4	0.5
Calcium	12/31/02	46200	NLE	20.0
Chromium	12/31/02	ND	100	0.5
Cobalt	12/31/02	ND	NLE	0.5
Copper	12/31/02	10.7	1000	2.0
Iron	12/31/02	9280	300	10.0
Lead	12/31/02	3.11	10	1.0
Magnesium	12/31/02	4660	NLE	10.0
Manganese	12/31/02	56.6	50	0.5
Mercury	12/31/02	ND	2	0.1
Nickel	12/31/02	2.65	100	1.0
Potassium	12/31/02	6470	NLE	40.0
Selenium	12/31/02	ND	50	3.0
Silver	12/31/02	ND	20	1.0
Sodium	12/31/02	6510	50000	20.0
Thallium	12/31/02	ND	10	2.0
Vanadium	12/31/02	0.816	NLE	0.5
Zinc	12/31/02	28.2	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 #: 2088705
Sample Received: 12/16/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW07

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)*	MDL (ug/L)
Aluminum	12/31/02	ND	200	10.0
Antimony	12/31/02	ND	20	2.0
Arsenic	12/31/02	ND	8	2.0
Barium	12/31/02	247	2000	0.5
Beryllium	12/31/02	ND	20	0.5
Cadmium	12/31/02	ND	4	0.5
Calcium	12/31/02	54400	NLE	20.0
Chromium	12/31/02	ND	100	0.5
Cobalt	12/31/02	ND	NLE	0.5
Copper	12/31/02	ND	1000	2.0
Iron	12/31/02	15200	300	10.0
Lead	12/31/02	1.41	10	1.0
Magnesium	12/31/02	5810	NLE	10.0
Manganese	12/31/02	66.5	50	0.5
Mercury	12/31/02	0.13	2	0.1
Nickel	12/31/02	ND	100	1.0
Potassium	12/31/02	5240	NLE	40.0
Selenium	12/31/02	ND	50	3.0
Silver	12/31/02	ND	20	1.0
Sodium	12/31/02	8230	50000	20.0
Thallium	12/31/02	ND	10	2.0
Vanadium	12/31/02	ND	NLE	0.5
Zinc	12/31/02	9.03	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 #: 2088706
Sample Received: 12/16/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW08

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)*	MDL (ug/L)
Aluminum	12/31/02	ND	200	10.0
Antimony	12/31/02	ND	20	2.0
Arsenic	12/31/02	ND	8	2.0
Barium	12/31/02	108	2000	0.5
Beryllium	12/31/02	ND	20	0.5
Cadmium	12/31/02	ND	4	0.5
Calcium	12/31/02	35600	NLE	20.0
Chromium	12/31/02	ND	100	0.5
Cobalt	12/31/02	ND	NLE	0.5
Copper	12/31/02	ND	1000	2.0
Iron	12/31/02	15100	300	10.0
Lead	12/31/02	1.15	10	1.0
Magnesium	12/31/02	4420	NLE	10.0
Manganese	12/31/02	47.1	50	0.5
Mercury	12/31/02	ND	2	0.1
Nickel	12/31/02	ND	100	1.0
Potassium	12/31/02	6070	NLE	40.0
Selenium	12/31/02	ND	50	3.0
Silver	12/31/02	ND	20	1.0
Sodium	12/31/02	6970	50000	20.0
Thallium	12/31/02	ND	10	2.0
Vanadium	12/31/02	ND	NLE	0.5
Zinc	12/31/02	14.0	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 #: 2090302
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW09

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)*	MDL (ug/L)
Aluminum	12/31/02	117	200	10.0
Antimony	12/31/02	ND	20	2.0
Arsenic	12/31/02	ND	8	2.0
Barium	12/31/02	88.4	2000	0.5
Beryllium	12/31/02	ND	20	0.5
Cadmium	12/31/02	0.852	4	0.5
Calcium	12/31/02	53200	NLE	20.0
Chromium	12/31/02	7.55	100	0.5
Cobalt	12/31/02	1.27	NLE	0.5
Copper	12/31/02	10.4	1000	2.0
Iron	12/31/02	5960	300	10.0
Lead	12/31/02	ND	10	1.0
Magnesium	12/31/02	4490	NLE	10.0
Manganese	12/31/02	1170	50	0.5
Mercury	12/31/02	ND	2	0.1
Nickel	12/31/02	ND	100	1.0
Potassium	12/31/02	6050	NLE	40.0
Selenium	12/31/02	ND	50	3.0
Silver	12/31/02	ND	20	1.0
Sodium	12/31/02	6380	50000	20.0
Thallium	12/31/02	ND	10	2.0
Vanadium	12/31/02	ND	NLE	0.5
Zinc	12/31/02	297	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 #: 2088707
Sample Received: 09/26/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW10

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)*	MDL (ug/L)
Aluminum	12/31/02	652	200	10.0
Antimony	12/31/02	ND	20	2.0
Arsenic	12/31/02	ND	8	2.0
Barium	12/31/02	445	2000	0.5
Beryllium	12/31/02	ND	20	0.5
Cadmium	12/31/02	ND	4	0.5
Calcium	12/31/02	49700	NLE	20.0
Chromium	12/31/02	5.73	100	0.5
Cobalt	12/31/02	0.565	NLE	0.5
Copper	12/31/02	ND	1000	2.0
Iron	12/31/02	24400	300	10.0
Lead	12/31/02	1.61	10	1.0
Magnesium	12/31/02	3310	NLE	10.0
Manganese	12/31/02	74.2	50	0.5
Mercury	12/31/02	ND	2	0.1
Nickel	12/31/02	ND	100	1.0
Potassium	12/31/02	5520	NLE	40.0
Selenium	12/31/02	ND	50	3.0
Silver	12/31/02	ND	20	1.0
Sodium	12/31/02	6640	50000	20.0
Thallium	12/31/02	ND	10	2.0
Vanadium	12/31/02	6.46	NLE	0.5
Zinc	12/31/02	39.0	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 #: 2090204
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW11

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)*	MDL (ug/L)
Aluminum	12/31/02	ND	200	10.0
Antimony	12/31/02	ND	20	2.0
Arsenic	12/31/02	ND	8	2.0
Barium	12/31/02	26.4	2000	0.5
Beryllium	12/31/02	ND	20	0.5
Cadmium	12/31/02	ND	4	0.5
Calcium	12/31/02	33500	NLE	20.0
Chromium	12/31/02	0.962	100	0.5
Cobalt	12/31/02	ND	NLE	0.5
Copper	12/31/02	ND	1000	2.0
Iron	12/31/02	65.6	300	10.0
Lead	12/31/02	4.74	10	1.0
Magnesium	12/31/02	3620	NLE	10.0
Manganese	12/31/02	ND	50	0.5
Mercury	12/31/02	ND	2	0.1
Nickel	12/31/02	ND	100	1.0
Potassium	12/31/02	5080	NLE	40.0
Selenium	12/31/02	ND	50	3.0
Silver	12/31/02	ND	20	1.0
Sodium	12/31/02	3120	50000	20.0
Thallium	12/31/02	ND	10	2.0
Vanadium	12/31/02	ND	NLE	0.5
Zinc	12/31/02	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 #: 2090205
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW12

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)*	MDL (ug/L)
Aluminum	12/31/02	ND	200	10.0
Antimony	12/31/02	ND	20	2.0
Arsenic	12/31/02	ND	8	2.0
Barium	12/31/02	29.0	2000	0.5
Beryllium	12/31/02	ND	20	0.5
Cadmium	12/31/02	ND	4	0.5
Calcium	12/31/02	34800	NLE	20.0
Chromium	12/31/02	0.601	100	0.5
Cobalt	12/31/02	ND	NLE	0.5
Copper	12/31/02	ND	1000	2.0
Iron	12/31/02	218	300	10.0
Lead	12/31/02	ND	10	1.0
Magnesium	12/31/02	3800	NLE	10.0
Manganese	12/31/02	3.66	50	0.5
Mercury	12/31/02	ND	2	0.1
Nickel	12/31/02	ND	100	1.0
Potassium	12/31/02	5480	NLE	40.0
Selenium	12/31/02	ND	50	3.0
Silver	12/31/02	ND	20	1.0
Sodium	12/31/02	3470	50000	20.0
Thallium	12/31/02	ND	10	2.0
Vanadium	12/31/02	ND	NLE	0.5
Zinc	12/31/02	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 #: 2090209
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW13

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)*	MDL (ug/L)
Aluminum	12/31/02	34.8	200	10.0
Antimony	12/31/02	ND	20	2.0
Arsenic	12/31/02	ND	8	2.0
Barium	12/31/02	243	2000	0.5
Beryllium	12/31/02	ND	20	0.5
Cadmium	12/31/02	0.739	4	0.5
Calcium	12/31/02	26700	NLE	20.0
Chromium	12/31/02	ND	100	0.5
Cobalt	12/31/02	ND	NLE	0.5
Copper	12/31/02	ND	1000	2.0
Iron	12/31/02	28100	300	10.0
Lead	12/31/02	1.71	10	1.0
Magnesium	12/31/02	2760	NLE	10.0
Manganese	12/31/02	111	50	0.5
Mercury	12/31/02	ND	2	0.1
Nickel	12/31/02	ND	100	1.0
Potassium	12/31/02	6640	NLE	40.0
Selenium	12/31/02	ND	50	3.0
Silver	12/31/02	ND	20	1.0
Sodium	12/31/02	11000	50000	20.0
Thallium	12/31/02	ND	10	2.0
Vanadium	12/31/02	ND	NLE	0.5
Zinc	12/31/02	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 #: 2090210
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW14

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)*	MDL (ug/L)
Aluminum	12/31/02	128	200	10.0
Antimony	12/31/02	3.65	20	2.0
Arsenic	12/31/02	7.85	8	2.0
Barium	12/31/02	41.1	2000	0.5
Beryllium	12/31/02	ND	20	0.5
Cadmium	12/31/02	1.15	4	0.5
Calcium	12/31/02	15100	NLE	20.0
Chromium	12/31/02	4.88	100	0.5
Cobalt	12/31/02	2.52	NLE	0.5
Copper	12/31/02	3.17	1000	2.0
Iron	12/31/02	24100	300	10.0
Lead	12/31/02	1.76	10	1.0
Magnesium	12/31/02	5610	NLE	10.0
Manganese	12/31/02	246	50	0.5
Mercury	12/31/02	ND	2	0.1
Nickel	12/31/02	2.51	100	1.0
Potassium	12/31/02	1450	NLE	40.0
Selenium	12/31/02	ND	50	3.0
Silver	12/31/02	ND	20	1.0
Sodium	12/31/02	16600	50000	20.0
Thallium	12/31/02	ND	10	2.0
Vanadium	12/31/02	1.97	NLE	0.5
Zinc	12/31/02	6.37	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 #: 2090412
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW15

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/06/03	133	200	10.0
Antimony	01/06/03	ND	20	2.0
Arsenic	01/06/03	6.83	8	2.0
Barium	01/06/03	44.0	2000	0.5
Beryllium	01/06/03	ND	20	0.5
Cadmium	01/06/03	0.614	4	0.5
Calcium	01/06/03	68600	NLE	20.0
Chromium	01/06/03	1.23	100	0.5
Cobalt	01/06/03	2.68	NLE	0.5
Copper	01/06/03	5.91	1000	2.0
Iron	01/06/03	13600	300	10.0
Lead	01/06/03	1.59	10	1.0
Magnesium	01/06/03	9950	NLE	10.0
Manganese	01/06/03	170	50	0.5
Mercury	01/07/03	ND	2	0.1
Nickel	01/06/03	15.5	100	1.0
Potassium	01/06/03	7020	NLE	40.0
Selenium	01/06/03	ND	50	3.0
Silver	01/06/03	ND	20	1.0
Sodium	01/06/03	18100	50000	20.0
Thallium	01/06/03	ND	10	2.0
Vanadium	01/06/03	30.1	NLE	0.5
Zinc	01/06/03	151	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 #: 2090410
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW16

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/06/03	158	200	10.0
Antimony	01/06/03	ND	20	2.0
Arsenic	01/06/03	2.71	8	2.0
Barium	01/06/03	48.5	2000	0.5
Beryllium	01/06/03	ND	20	0.5
Cadmium	01/06/03	4.50	4	0.5
Calcium	01/06/03	35500	NLE	20.0
Chromium	01/06/03	0.775	100	0.5
Cobalt	01/06/03	3.91	NLE	0.5
Copper	01/06/03	57.3	1000	2.0
Iron	01/06/03	2520	300	10.0
Lead	01/06/03	5.26	10	1.0
Magnesium	01/06/03	4740	NLE	10.0
Manganese	01/06/03	376	50	0.5
Mercury	01/07/03	0.12	2	0.1
Nickel	01/06/03	42.1	100	1.0
Potassium	01/06/03	2540	NLE	40.0
Selenium	01/06/03	ND	50	3.0
Silver	01/06/03	ND	20	1.0
Sodium	01/06/03	4050	50000	20.0
Thallium	01/06/03	ND	10	2.0
Vanadium	01/06/03	ND	NLE	0.5
Zinc	01/06/03	1210	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 #: 2090407
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW17

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/06/03	647	200	10.0
Antimony	01/06/03	3.30	20	2.0
Arsenic	01/06/03	3.08	8	2.0
Barium	01/06/03	85.3	2000	0.5
Beryllium	01/06/03	ND	20	0.5
Cadmium	01/06/03	ND	4	0.5
Calcium	01/06/03	25200	NLE	20.0
Chromium	01/06/03	2.81	100	0.5
Cobalt	01/06/03	2.57	NLE	0.5
Copper	01/06/03	3.61	1000	2.0
Iron	01/06/03	885	300	10.0
Lead	01/06/03	ND	10	1.0
Magnesium	01/06/03	4550	NLE	10.0
Manganese	01/06/03	48.8	50	0.5
Mercury	01/07/03	ND	2	0.1
Nickel	01/06/03	11.2	100	1.0
Potassium	01/06/03	3930	NLE	40.0
Selenium	01/06/03	ND	50	3.0
Silver	01/06/03	ND	20	1.0
Sodium	01/06/03	5820	50000	20.0
Thallium	01/06/03	ND	10	2.0
Vanadium	01/06/03	1.03	NLE	0.5
Zinc	01/06/03	432	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 #: 2090406
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW18

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/06/03	115	200	10.0
Antimony	01/06/03	ND	20	2.0
Arsenic	01/06/03	2.82	8	2.0
Barium	01/06/03	151	2000	0.5
Beryllium	01/06/03	ND	20	0.5
Cadmium	01/06/03	1.52	4	0.5
Calcium	01/06/03	27300	NLE	20.0
Chromium	01/06/03	ND	100	0.5
Cobalt	01/06/03	1.12	NLE	0.5
Copper	01/06/03	2.81	1000	2.0
Iron	01/06/03	62300	300	10.0
Lead	01/06/03	1.35	10	1.0
Magnesium	01/06/03	4020	NLE	10.0
Manganese	01/06/03	88.0	50	0.5
Mercury	01/07/03	ND	2	0.1
Nickel	01/06/03	ND	100	1.0
Potassium	01/06/03	6510	NLE	40.0
Selenium	01/06/03	ND	50	3.0
Silver	01/06/03	ND	20	1.0
Sodium	01/06/03	5380	50000	20.0
Thallium	01/06/03	ND	10	2.0
Vanadium	01/06/03	ND	NLE	0.5
Zinc	01/06/03	14.4	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 #: 2090206
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW19

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)*	MDL (ug/L)
Aluminum	12/31/02	ND	200	10.0
Antimony	12/31/02	ND	20	2.0
Arsenic	12/31/02	ND	8	2.0
Barium	12/31/02	27.2	2000	0.5
Beryllium	12/31/02	ND	20	0.5
Cadmium	12/31/02	ND	4	0.5
Calcium	12/31/02	36000	NLE	20.0
Chromium	12/31/02	2.07	100	0.5
Cobalt	12/31/02	ND	NLE	0.5
Copper	12/31/02	ND	1000	2.0
Iron	12/31/02	131	300	10.0
Lead	12/31/02	ND	10	1.0
Magnesium	12/31/02	3160	NLE	10.0
Manganese	12/31/02	1.61	50	0.5
Mercury	12/31/02	0.14	2	0.1
Nickel	12/31/02	ND	100	1.0
Potassium	12/31/02	4960	NLE	40.0
Selenium	12/31/02	ND	50	3.0
Silver	12/31/02	ND	20	1.0
Sodium	12/31/02	2850	50000	20.0
Thallium	12/31/02	ND	10	2.0
Vanadium	12/31/02	ND	NLE	0.5
Zinc	12/31/02	22.9	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 #: 2090207
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW20

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)*	MDL (ug/L)
Aluminum	12/31/02	ND	200	10.0
Antimony	12/31/02	ND	20	2.0
Arsenic	12/31/02	ND	8	2.0
Barium	12/31/02	26.2	2000	0.5
Beryllium	12/31/02	ND	20	0.5
Cadmium	12/31/02	ND	4	0.5
Calcium	12/31/02	36100	NLE	20.0
Chromium	12/31/02	ND	100	0.5
Cobalt	12/31/02	ND	NLE	0.5
Copper	12/31/02	ND	1000	2.0
Iron	12/31/02	357	300	10.0
Lead	12/31/02	ND	10	1.0
Magnesium	12/31/02	3720	NLE	10.0
Manganese	12/31/02	11.8	50	0.5
Mercury	12/31/02	ND	2	0.1
Nickel	12/31/02	ND	100	1.0
Potassium	12/31/02	5120	NLE	40.0
Selenium	12/31/02	ND	50	3.0
Silver	12/31/02	ND	20	1.0
Sodium	12/31/02	3030	50000	20.0
Thallium	12/31/02	ND	10	2.0
Vanadium	12/31/02	ND	NLE	0.5
Zinc	12/31/02	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 #: 2090408
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW21

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/06/03	57.3	200	10.0
Antimony	01/06/03	ND	20	2.0
Arsenic	01/06/03	ND	8	2.0
Barium	01/06/03	410	2000	0.5
Beryllium	01/06/03	ND	20	0.5
Cadmium	01/06/03	ND	4	0.5
Calcium	01/06/03	93200	NLE	20.0
Chromium	01/06/03	ND	100	0.5
Cobalt	01/06/03	1.69	NLE	0.5
Copper	01/06/03	2.23	1000	2.0
Iron	01/06/03	44700	300	10.0
Lead	01/06/03	2.95	10	1.0
Magnesium	01/06/03	6830	NLE	10.0
Manganese	01/06/03	437	50	0.5
Mercury	01/07/03	ND	2	0.1
Nickel	01/06/03	2.01	100	1.0
Potassium	01/06/03	4170	NLE	40.0
Selenium	01/06/03	ND	50	3.0
Silver	01/06/03	ND	20	1.0
Sodium	01/06/03	11000	50000	20.0
Thallium	01/06/03	ND	10	2.0
Vanadium	01/06/03	ND	NLE	0.5
Zinc	01/06/03	65.6	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 #: 2090404
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW22

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/06/03	44.0	200	10.0
Antimony	01/06/03	ND	20	2.0
Arsenic	01/06/03	2.82	8	2.0
Barium	01/06/03	214	2000	0.5
Beryllium	01/06/03	ND	20	0.5
Cadmium	01/06/03	0.811	4	0.5
Calcium	01/06/03	38500	NLE	20.0
Chromium	01/06/03	ND	100	0.5
Cobalt	01/06/03	0.696	NLE	0.5
Copper	01/06/03	ND	1000	2.0
Iron	01/06/03	47300	300	10.0
Lead	01/06/03	1.93	10	1.0
Magnesium	01/06/03	5670	NLE	10.0
Manganese	01/06/03	96.8	50	0.5
Mercury	01/07/03	ND	2	0.1
Nickel	01/06/03	ND	100	1.0
Potassium	01/06/03	7480	NLE	40.0
Selenium	01/06/03	ND	50	3.0
Silver	01/06/03	ND	20	1.0
Sodium	01/06/03	10500	50000	20.0
Thallium	01/06/03	ND	10	2.0
Vanadium	01/06/03	ND	NLE	0.5
Zinc	01/06/03	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 #: 2090211
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW23

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)*	MDL (ug/L)
Aluminum	12/31/02	ND	200	10.0
Antimony	12/31/02	ND	20	2.0
Arsenic	12/31/02	ND	8	2.0
Barium	12/31/02	307	2000	0.5
Beryllium	12/31/02	ND	20	0.5
Cadmium	12/31/02	ND	4	0.5
Calcium	12/31/02	84000	NLE	20.0
Chromium	12/31/02	3.59	100	0.5
Cobalt	12/31/02	1.31	NLE	0.5
Copper	12/31/02	ND	1000	2.0
Iron	12/31/02	9440	300	10.0
Lead	12/31/02	ND	10	1.0
Magnesium	12/31/02	30300	NLE	10.0
Manganese	12/31/02	104	50	0.5
Mercury	12/31/02	ND	2	0.1
Nickel	12/31/02	67.0	100	1.0
Potassium	12/31/02	8460	NLE	40.0
Selenium	12/31/02	5.56	50	3.0
Silver	12/31/02	ND	20	1.0
Sodium	12/31/02	18400	50000	20.0
Thallium	12/31/02	ND	10	2.0
Vanadium	12/31/02	1.28	NLE	0.5
Zinc	12/31/02	7.64	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 #: 2090409
Sample Received: 12/30/02
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW24

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/06/03	ND	200	10.0
Antimony	01/06/03	ND	20	2.0
Arsenic	01/06/03	2.52	8	2.0
Barium	01/06/03	422	2000	0.5
Beryllium	01/06/03	ND	20	0.5
Cadmium	01/06/03	0.755	4	0.5
Calcium	01/06/03	72400	NLE	20.0
Chromium	01/06/03	ND	100	0.5
Cobalt	01/06/03	1.36	NLE	0.5
Copper	01/06/03	12.4	1000	2.0
Iron	01/06/03	65100	300	10.0
Lead	01/06/03	3.12	10	1.0
Magnesium	01/06/03	6190	NLE	10.0
Manganese	01/06/03	823	50	0.5
Mercury	01/07/03	ND	2	0.1
Nickel	01/06/03	ND	100	1.0
Potassium	01/06/03	4190	NLE	40.0
Selenium	01/06/03	ND	50	3.0
Silver	01/06/03	ND	20	1.0
Sodium	01/06/03	11100	50000	20.0
Thallium	01/06/03	ND	10	2.0
Vanadium	01/06/03	ND	NLE	0.5
Zinc	01/06/03	7.16	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

	Lab	Aluminum	Iron	Manganese	Lead	Cadmium	Magnesium	Nickel	Zinc	Depth to Water	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	200	300	50	10	4	NLE	100	5000	-	-
05/02/1997	FMETL	360	100	150	ND	-	-	-	-	5.60	V,S,P,M
08/06/1997	FMETL	236.3	400	128	ND	-	-	-	-	8.15	V,S,P,M
10/23/1997	FMETL	344	488	78	11	1.6	4670	16.9	646	9.30	V,S,P,M
02/11/1998	FMETL	578	500	120	ND	3.5	3710	17.9	1917	5.15	V,S,P,M
04/23/1998	FMETL	239	233	73.1	ND	2.5	1739	9.7	785	4.61	V,S,P,M
07/22/1998	FMETL	2480	7790	83.6	ND	2.5	4100	16.2	640	7.12	V,S,P,M
11/06/1998	FMETL	402	1480	84.1	6.95	6.23	4330	20.9	1410	9.55	V,S,P,M
02/03/1999	FMETL	ND	1390	133	ND	3.27	4510	23.1	2150	7.02	V,S,P,M
06/15/1999	FMETL	561	698	84.3	ND	1.56	4230	19.4	941	7.64	V,S,P,M
07/20/1999	FMETL	762	2420	94.4	ND	1.94	3780	19.1	1310	8.53	V,S,P,M
10/07/1999	FMETL	393	3170	83.5	4.10	1.53	3890	20.0	836	7.97	V,S,P,M
03/07/2000	FMETL	840	1160	137	ND	3.31	6560	22.5	2030	6.99	V,S,P,M
06/27/2000	FMETL	255	148	82.4	ND	1.72	3270	14.9	1290	7.11	V,S,P,M
09/27/2000	FMETL	307	791	64.5	33.5	0.895	3210	16.5	863	6.81	V,S,P,M
09/27/2000D	FMETL	320	732	62.2	5.74	0.790	3240	9.48	578	6.81	V,S,P,M
12/20/2000	FMETL	567	1920	73.9	ND	1.45	3830	13.9	1020	7.59	V,S,P,M
12/20/2000D	FMETL	550	2130	73.8	ND	1.30	3750	14.3	1010	7.59	V,S,P,M
03/29/2001	FMETL	50.0	290	60.8	1.00	1.60	1560	7.00	820	4.81	V,S,P,M
06/27/2001	FMETL	ND	293	74.2	ND	1.78	1900	7.94	1080	4.93	V,S,P,M
09/27/2001	FMETL	282	132	63.3	ND	1.25	3320	11.2	842	9.12	V,S,P,M
12/14/2001	FMETL	364	799	71.9	8.46	1.28	4390	16.0	581	9.96	V,S,P,M
03/27/2002	FMETL	472	91.3	125	ND	2.95	4110	15.0	2630	8.30	V,S,P,M
06/20/2002	FMETL	643	710	104	ND	2.36	5630	20.2	1440	8.62	V,S,P,M
09/24/2002	FMETL	1380	4930	82.7	1.85	1.88	4490	15.1	1010	9.01	V,S,P,M
12/30/2002	FMETL	286	143	63.5	ND	1.40	1510	6.30	655	4.67	V,S,P,M

SOURCE: 00M2MW01

Sampling Dates:
05/02/1997 - 12/30/2002

NOTES:

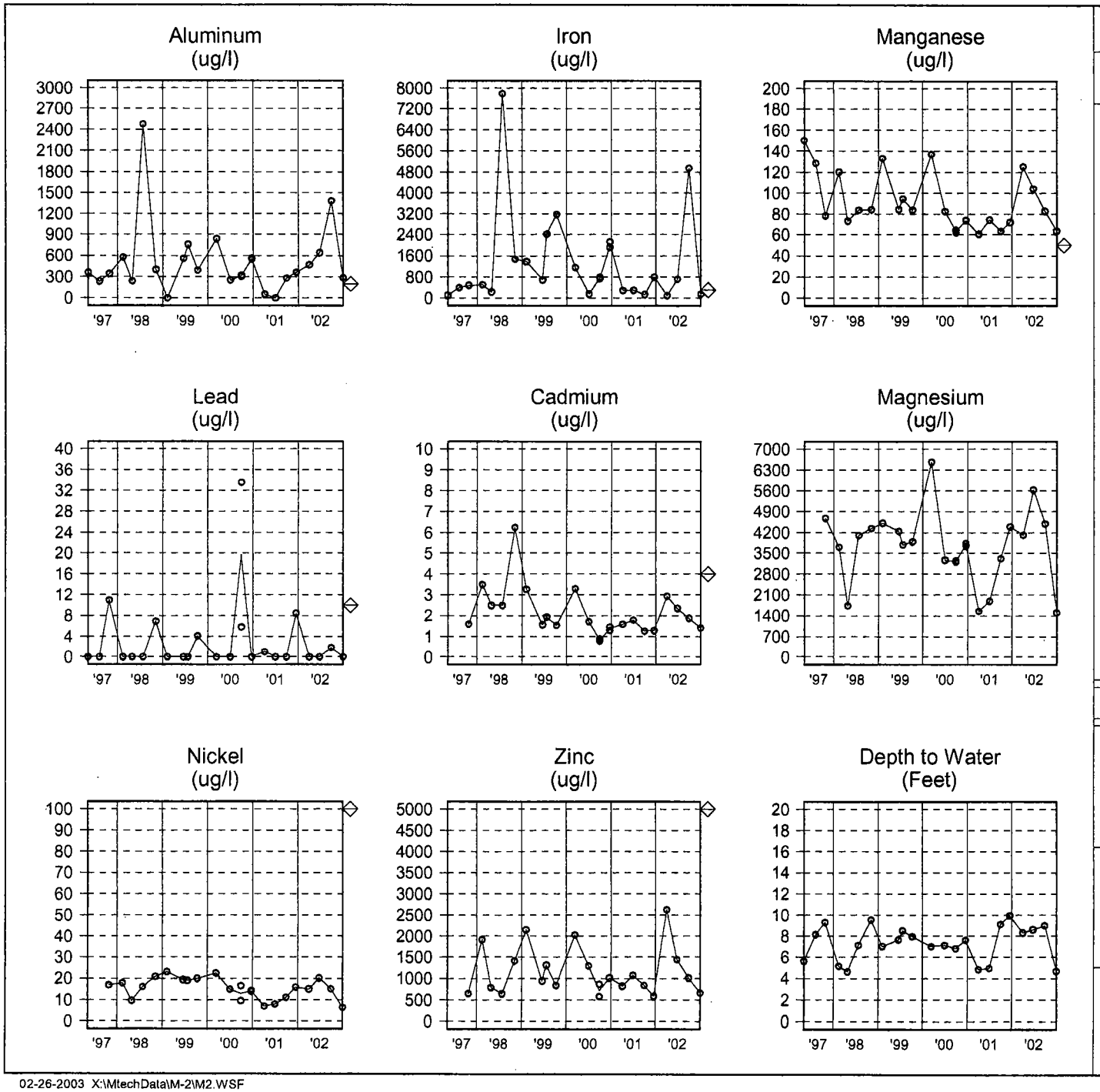
Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 1 of 24

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 00M2MW01

Sampling Dates:
05/02/1997 - 12/30/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 1 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Nickel	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:	-	1	4	200	300	50	10	100	50000	-	-
05/08/1997	FMETL	ND	18	49	35000	260	ND	-	-	7.80	V,S,P,M
08/06/1997	FMETL	1.36	18.56	51.7	82680	474	ND	-	-	10.60	V,S,P,M
10/23/1997	FMETL	ND	10.9	107	16200	145	7.0	1.8	7820	10.90	V,S,P,M
02/11/1998	FMETL	ND	7.39	129	22500	157	ND	3.9	7130	9.80	V,S,P,M
04/23/1998	FMETL	3.12	24.07	108	76160	282	ND	2.1	11880	9.84	V,S,P,M
07/22/1998	FMETL	6.44	36.51	44.7	26800	290	ND	2.06	12600	10.64	V,S,P,M
11/06/1998	FMETL	2.73	44	48.2	33700	262	ND	2.47	9910	10.73	V,S,P,M
02/03/1999	FMETL	5.84	37.3	ND	50800	456	ND	2.25	17700	10.02	V,S,P,M
06/15/1999	FMETL	4.70	22.3	ND	17000	254	ND	ND	15500	10.67	V,S,P,M
07/20/1999	FMETL	4.39	23.13	29.4	13200	196	3.61	2.27	13600	10.77	V,S,P,M
10/07/1999	FMETL	1.88	37.17	ND	31400	249	ND	2.42	9500	10.64	V,S,P,M
03/07/2000	FMETL	5.86	69.55	75.5	46200	445	2.39	1.24	8660	10.41	V,S,P,M
06/27/2000	FMETL	ND	31.22	ND	53900	352	ND	3.09	9380	11.21	V,S,P,M
06/27/2000D	FMETL	ND	29.96	ND	55400	359	ND	1.95	9390	11.21	V,S,P,M
09/25/2000	FMETL	ND	23.98	ND	15400	128	2.70	1.49	7870	9.97	V,S,P,M
12/26/2000	FMETL	ND	31.06	ND	34400	223	ND	ND	8090	10.36	V,S,P,M
03/28/2001	FMETL	ND	26.97	ND	50200	327	8.00	1.00	8000	9.82	V,S,P,M
03/28/2001D	FMETL	ND	25.00	20.0	53000	329	9.00	ND	8200	9.82	V,S,P,M
06/27/2001	FMETL	1.75	55.69	ND	11500	531	ND	126	11400	9.77	V,S,P,M
09/26/2001	FMETL	1.08	57.62	ND	37800	553	ND	51.3	10700	10.62	V,S,P,M
12/20/2001	FMETL	ND	7.05	ND	23300	185	ND	ND	9380	10.88	V,S,P,M
03/26/2002	FMETL	1.33	60.33	3000	27200	126	12.8	7.09	9410	10.15	V,S,P,M
06/19/2002	FMETL	ND	47.92	ND	99300	509	3.63	3.47	10500	10.42	V,S,P,M
09/24/2002	FMETL	ND	41.55	27.1	55900	325	2.31	ND	9410	10.70	V,S,P,M
12/30/2002	FMETL	ND	9.64	ND	25300	178	ND	ND	8060	9.86	V,S,P,M

SOURCE: 00M2MW02

Sampling Dates:
05/08/1997 - 12/30/2002

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 2 of 24

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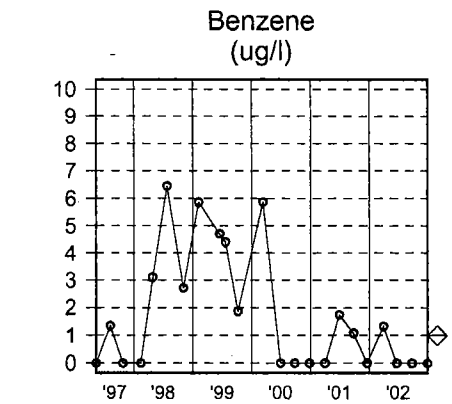

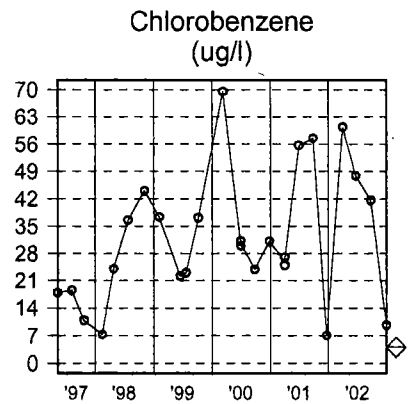

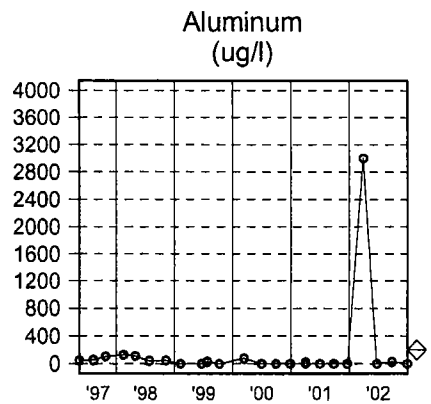

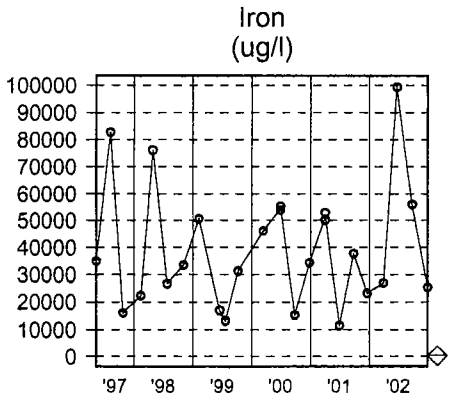

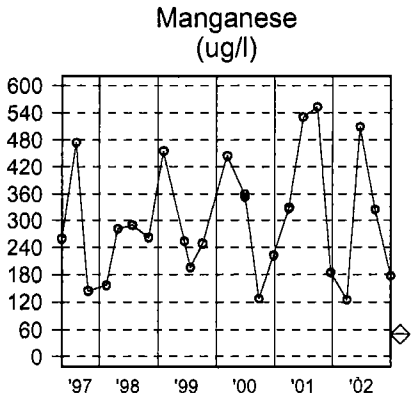

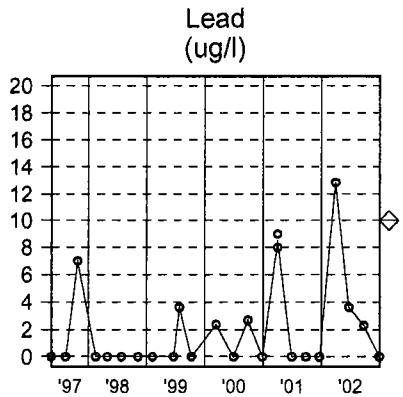

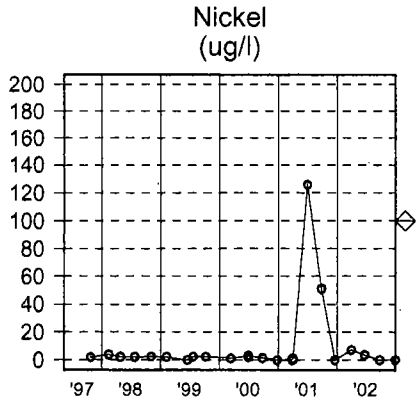

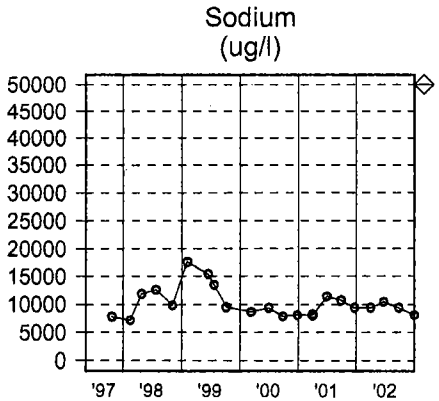

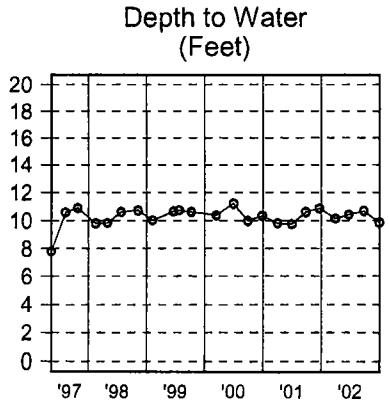

SOURCE: 00M2MW02

Sampling Dates:
05/08/1997 - 12/30/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 2 of 24, Graph

U.S.ARMY
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SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Nickel	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:	-	1	4	200	300	50	10	100	50000	-	-
05/02/1997	FMETL	ND	4.69	62	12200	500	ND	-	-	7.80	V,S,P,M
08/06/1997	FMETL	ND	1.49	26	9300	511	ND	-	-	8.20	V,S,P,M
10/23/1997	FMETL	1.31	17.7	145	10010	427	13	1.7	10300	8.60	V,S,P,M
02/11/1998	FMETL	3.78	78.8	256	39970	513	ND	6	18180	7.40	V,S,P,M
04/23/1998	FMETL	4.26	107.81	58	69260	516	2.8	ND	11200	7.83	V,S,P,M
07/22/1998	FMETL	ND	10.51	28.5	14500	395	ND	0.566	11600	6.67	V,S,P,M
11/06/1998	FMETL	1.78	11.9	66.3	13700	586	2.83	2.88	28600	8.39	V,S,P,M
02/03/1999	FMETL	ND	7.14	531	16500	407	5.02	50.9	15800	7.28	V,S,P,M
06/15/1999	FMETL	ND	4.29	25	13500	412	ND	ND	10200	8.71	V,S,P,M
07/20/1999	FMETL	ND	3.68	18.6	16600	464	5.31	1.2	9860	8.61	V,S,P,M
10/07/1999	FMETL	1.59	11.20	12.4	13000	475	ND	3.41	13500	8.41	V,S,P,M
03/07/2000	FMETL	ND	3.42	47.6	11400	495	5.83	3.11	6860	8.16	V,S,P,M
06/27/2000	FMETL	ND	ND	ND	7990	423	3.44	0.589	8140	8.04	V,S,P,M
09/28/2000	FMETL	ND	ND	45.9	8990	424	ND	1.85	9900	7.97	V,S,P,M
12/20/2000	FMETL	ND	3.19	ND	9390	440	ND	ND	11400	7.91	V,S,P,M
03/29/2001	FMETL	1.39	23.26	ND	29700	571	38.0	8.00	14500	7.42	V,S,P,M
06/27/2001	FMETL	1.90	60.9	ND	22000	266	ND	1.21	12300	7.57	V,S,P,M
09/27/2001	FMETL	ND	5.95	ND	11800	333	ND	ND	8360	8.57	V,S,P,M
12/14/2001	FMETL	ND	3.10	90.0	7770	305	4.62	4.10	11400	8.63	V,S,P,M
03/27/2002	FMETL	ND	ND	ND	122000	674	5.53	14.9	11000	6.88	V,S,P,M
06/20/2002	FMETL	ND	3.87	750	12600	197	4.74	8.97	11300	8.48	V,S,P,M
09/25/2002	FMETL	1.01	15.9	56.8	19700	315	1.80	1.14	12400	8.51	V,S,P,M
12/27/2003	FMETL	1.62	31.69	166	9930	146	1.25	5.15	8260	7.23	V,S,P,M

SOURCE: 00M2MW03

Sampling Dates:
05/02/1997 - 12/27/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 3 of 24

U.S.ARMY
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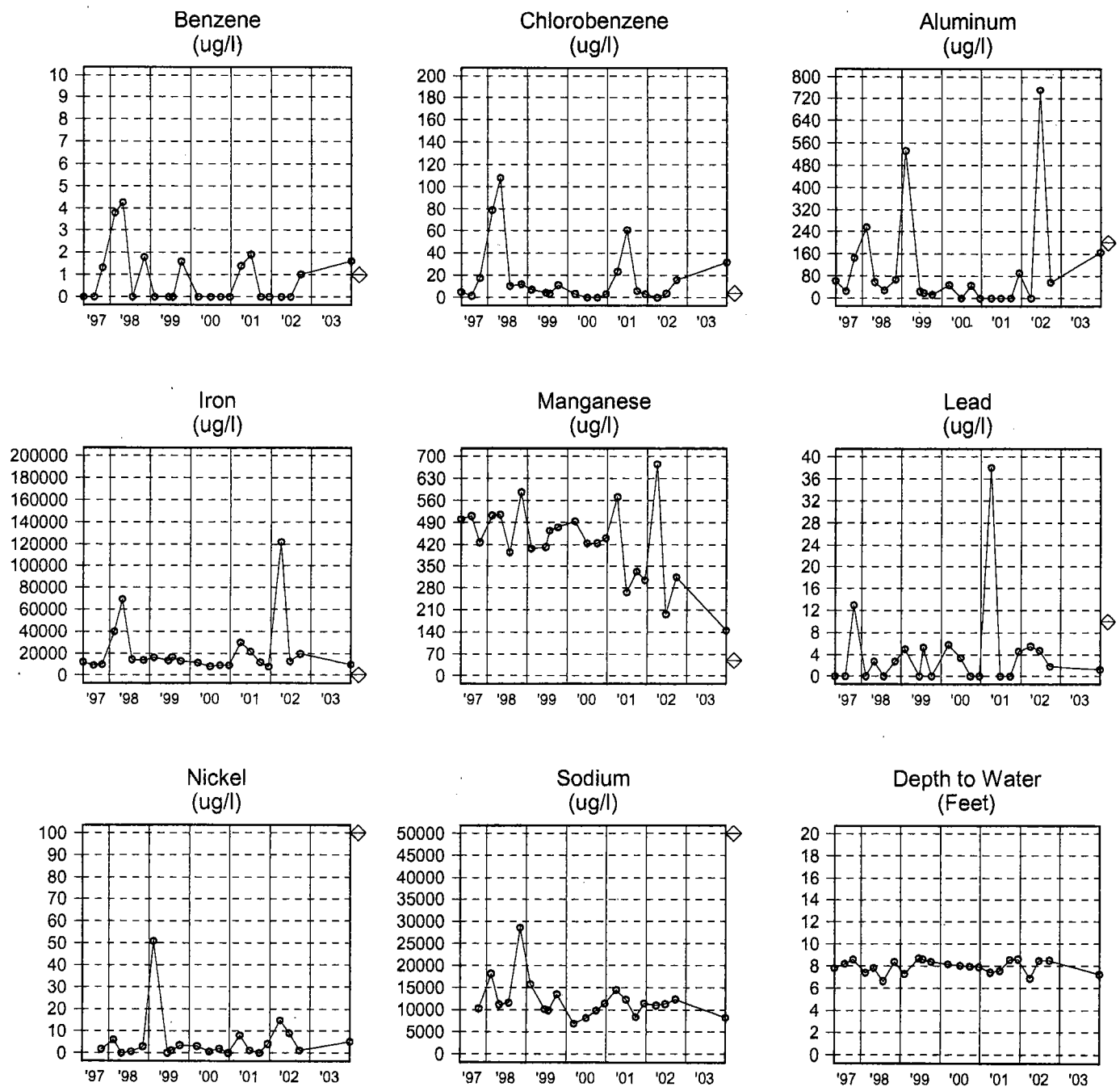

SOURCE: 00M2MW03

Sampling Dates:
05/02/1997 - 12/27/2003

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 3 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Barium	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:	-	1	4	200	300	50	10	2000	50000	-	-
02/11/1998	FMETL	ND	2.41	514	30140	534	ND	177	7540	8.80	V,S,P,M
04/27/1998	FMETL	ND	ND	ND	17800	757	ND	111	8592	8.49	V,S,P,M
07/22/1998	FMETL	ND	1.29	302	26300	3780	ND	131	8500	9.42	V,S,P,M
11/06/1998	FMETL	ND	ND	209	23900	180	3.27	132	8050	10.33	V,S,P,M
02/03/1999	FMETL	ND	ND	20.3	33300	2010	ND	132	9840	8.96	V,S,P,M
06/15/1999	FMETL	ND	ND	57.6	31300	311	ND	155	8040	9.62	V,S,P,M
07/20/1999	FMETL	ND	2.75	52.3	32600	670	16.1	180	8330	9.91	V,S,P,M
10/07/1999	FMETL	1.23	5.96	73.6	43000	1160	2.97	227	8710	9.72	V,S,P,M
03/07/2000	FMETL	ND	2.38	57.8	33700	312	9.26	195	5260	9.34	V,S,P,M
06/27/2000	FMETL	ND	ND	ND	24400	245	6.14	144	7110	9.27	V,S,P,M
09/26/2000	FMETL	ND	ND	ND	22800	150	ND	135	7720	9.11	V,S,P,M
12/26/2000	FMETL	2.07	13.11	119	69300	1450	403	457	30200	9.43	V,S,P,M
03/29/2001	FMETL	2.62	16.95	ND	75000	1430	14.0	415	10400	8.45	V,S,P,M
06/27/2001	FMETL	ND	3.34	ND	80400	1820	2.41	237	11000	8.57	V,S,P,M
09/27/2001	FMETL	ND	ND	44.3	34000	193	1.27	181	9430	9.76	V,S,P,M
09/27/2001D	FMETL	ND	ND	126	34500	194	15.8	196	7230	9.76	V,S,P,M
12/20/2001	FMETL	ND	ND	478	38100	198	5.85	196	8120	9.98	V,S,P,M
03/26/2002	FMETL	2.49	14.81	63.4	88600	985	4.04	518	12900	6.27	V,S,P,M
06/19/2002	FMETL	ND	0.71	275	27400	204	2.54	154	8070	9.46	V,S,P,M
09/25/2002	FMETL	ND	ND	85.8	30600	178	ND	166	7590	9.74	V,S,P,M
12/30/2002	FMETL	ND	ND	ND	28000	235	ND	166	7260	8.57	V,S,P,M

SOURCE: 00M2MW04

Sampling Dates:
02/11/1998 - 12/30/2002

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

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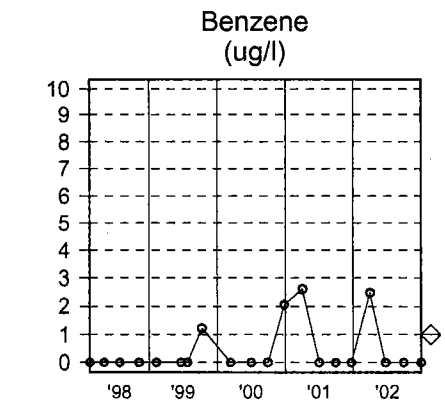
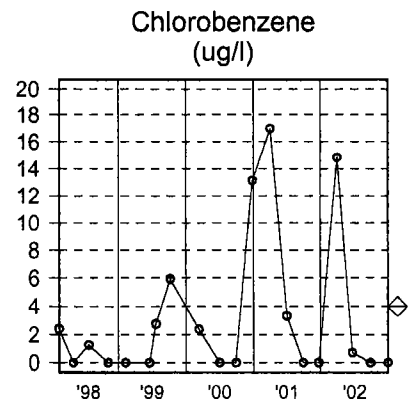
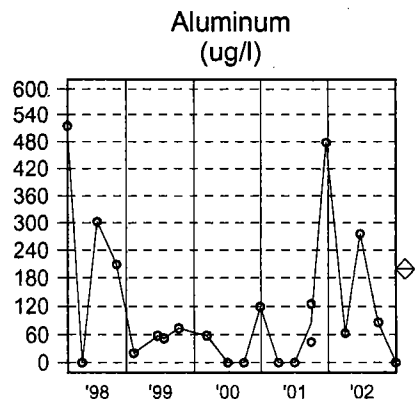
Bldg M-2

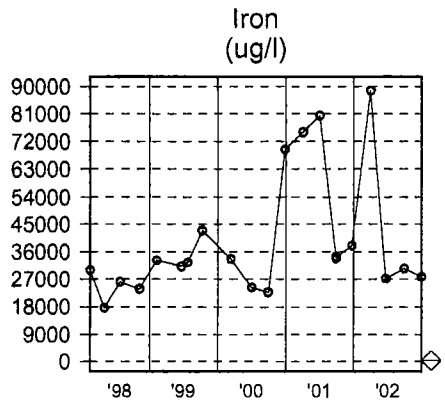
Source 4 of 24

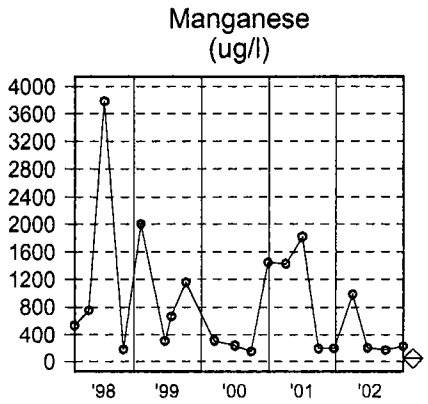
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

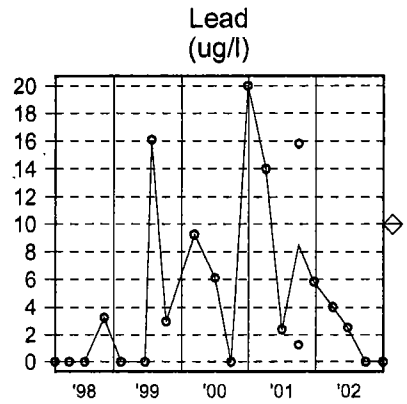


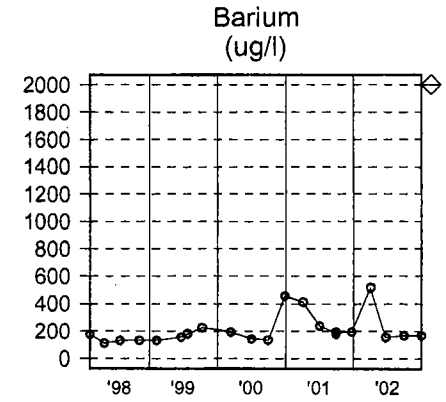


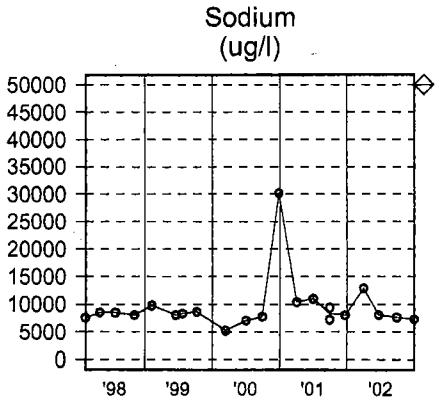


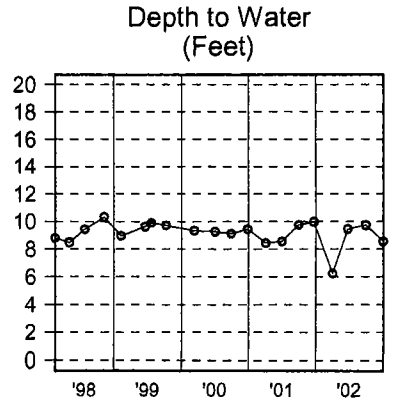












SOURCE: 00M2MW04

Sampling Dates:
02/11/1998 - 12/30/2002

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 4 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Barium	Cadmium	Nickel	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:	-	200	300	50	10	2000	4	100	50000	-	-
10/19/1998	FMETL	1080	15800	34.2	4.09	35.8	ND	6.31	5070	6.84	V,S,P,M
11/02/1998	FMETL	4860	29900	45.5	15.3	65.4	ND	13.7	4830	6.84	V,S,P,M
02/03/1999	FMETL	633	35300	48.2	4.62	171	2.05	3.3	6910	6.14	V,S,P,M
06/15/1999	FMETL	2040	72000	41.5	7.58	419	1.88	1.72	5340	6.75	V,S,P,M
07/20/1999	FMETL	1360	45800	38.1	4.71	243	1.81	2.59	5050	6.89	V,S,P,M
10/07/1999	FMETL	1590	28300	36.5	4.59	115	2.10	5.44	4970	6.65	V,S,P,M
03/07/2000	FMETL	370	74400	43.2	5.24	309	ND	2.61	3290	6.45	V,S,P,M
06/27/2000	FMETL	467	58900	37.7	ND	381	ND	2.17	4520	6.57	V,S,P,M
09/25/2000	FMETL	1220	26000	30.6	2.95	113	ND	5.55	5080	6.17	V,S,P,M
12/26/2000	FMETL	1940	148000	49.4	12.9	641	ND	ND	6640	6.46	V,S,P,M
12/26/2000D	FMETL	1140	95200	41.5	24.9	389	ND	ND	4980	6.46	V,S,P,M
03/28/2001	FMETL	1750	140000	29.2	17.0	686	15.9	2.00	460	6.00	V,S,P,M
06/26/2001	FMETL	ND	22400	32.9	ND	121	2.39	ND	4980	5.97	V,S,P,M
09/26/2001	FMETL	2950	111000	44.4	9.23	594	1.70	3.06	5140	6.71	V,S,P,M
12/20/2001	FMETL	843	88400	40.8	7.41	344	1.41	ND	5560	6.64	V,S,P,M
03/26/2002	FMETL	265	82400	35.6	4.62	221	5.48	ND	4900	6.23	V,S,P,M
06/19/2002	FMETL	285	44500	32.4	1.53	202	0.604	1.43	5240	13.85	V,S,P,M
09/24/2002	FMETL	1180	81500	60.4	4.85	389	3.13	ND	4380	6.75	V,S,P,M
12/16/2002	FMETL	80.8	24300	46.7	ND	908	0.629	ND	5020	5.92	V,S,P,M

SOURCE: 00M2MW05

Sampling Dates:
10/19/1998 - 12/16/2002

NOTES:

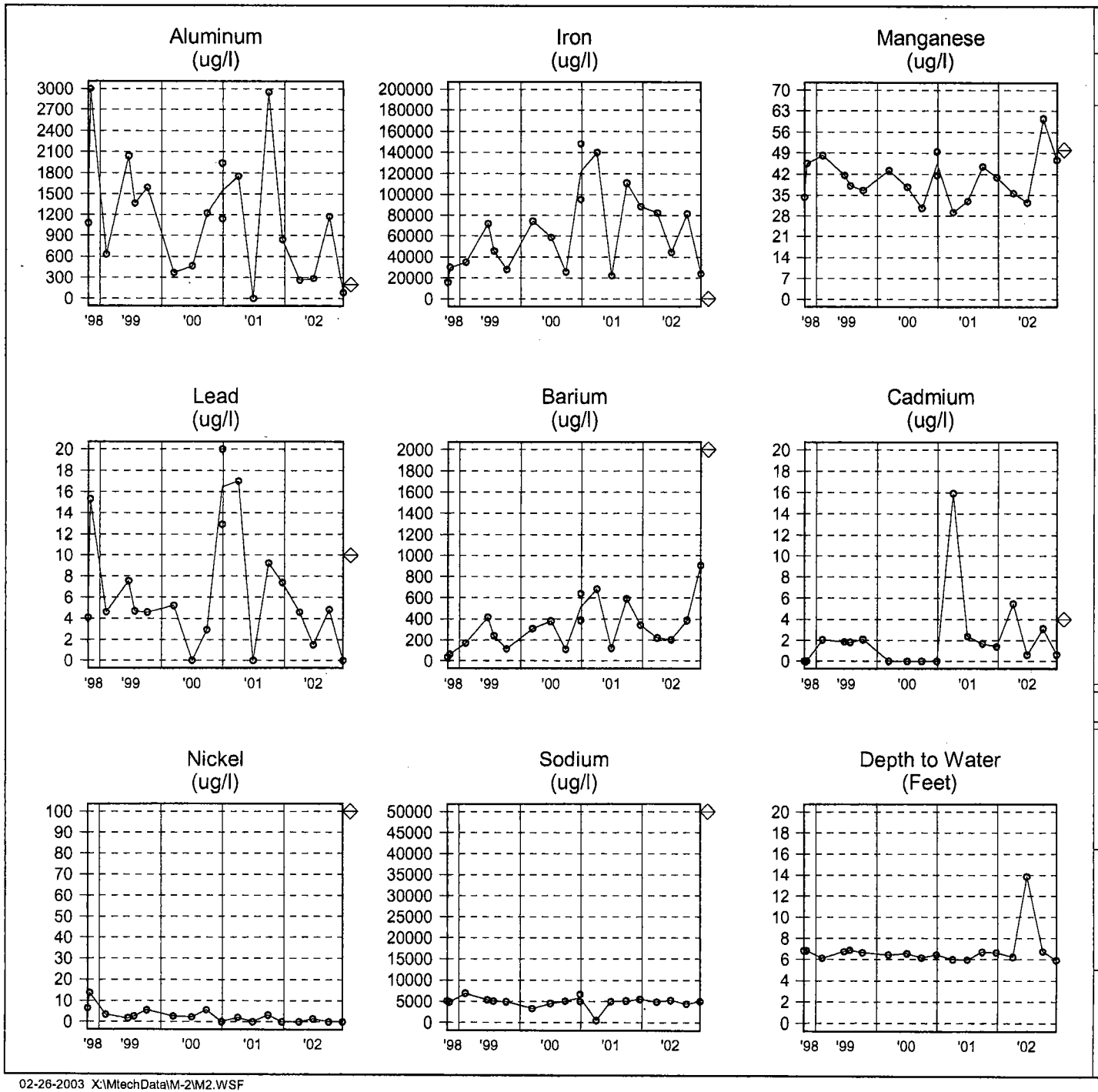
Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 5 of 24

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 00M2MW05

Sampling Dates:
10/19/1998 - 12/16/2002

LEGEND:

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 5 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	tert-Butyl alcohol	Chloro benzene	Aluminum	Iron	Manganese	Lead	Barium	Nickel	Depth to Water	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	NLE	4	200	300	50	10	2000	100	-	-
10/19/1998	FMETL	ND	1.36	1240	16500	72.5	22.4	102	3.62	9.12	V,S,P,M
11/02/1998	FMETL	ND	ND	10300	43500	92.7	90.5	175	18.9	9.12	V,S,P,M
02/03/1999	FMETL	ND	ND	1330	50700	138	13.6	185	5.53	8.18	V,S,P,M
06/15/1999	FMETL	ND	ND	749	38100	55.0	6.26	175	ND	8.79	V,S,P,M
07/20/1999	FMETL	ND	ND	992	36700	59.6	9.72	128	2.31	9.08	V,S,P,M
10/07/1999	FMETL	ND	ND	616	26100	52.4	6.95	90.3	3.32	8.74	V,S,P,M
03/07/2000	FMETL	ND	ND	753	45000	247	ND	189	ND	8.64	V,S,P,M
06/27/2000	FMETL	ND	ND	738	45200	66.3	6.32	264	2.86	8.53	V,S,P,M
09/28/2000	FMETL	ND	ND	41.9	12500	56.8	ND	62.1	2.64	8.21	V,S,P,M
09/28/2000D	FMETL	ND	ND	30.3	8850	424	ND	44.0	1.98	8.21	V,S,P,M
12/26/2000	FMETL	26.64	ND	52.4	12100	53.3	ND	65.9	ND	8.70	V,S,P,M
12/26/2000D	FMETL	31.09	ND	ND	12000	53.5	41.2	64.2	6.87	8.70	V,S,P,M
03/27/2001	FMETL	ND	5.32	ND	24600	250	ND	149	2.00	8.07	V,S,P,M
03/27/2001D	FMETL	ND	5.31	ND	24500	248	ND	143	ND	8.07	V,S,P,M
06/23/2001	FMETL	ND	ND	ND	10800	44.3	ND	69.6	3.57	7.94	V,S,P,M
09/26/2001	FMETL	ND	ND	220	19500	54.5	9.27	91.6	ND	9.32	V,S,P,M
12/10/2001	FMETL	ND	ND	3510	30600	57.8	35.3	110	9.58	8.98	V,S,P,M
03/26/2002	FMETL	ND	ND	31.8	17000	47.3	ND	73.1	ND	9.17	V,S,P,M
06/22/2002	FMETL	ND	ND	42.8	19900	55.1	2.09	110	ND	8.87	V,S,P,M
09/26/2002	FMETL	ND	ND	36.1	9660	49.5	ND	63.3	ND	8.92	V,S,P,M
12/27/2002	FMETL	ND	ND	113	9280	56.6	3.11	120	2.65	7.84	V,S,P,M

SOURCE: 00M2MW06

Sampling Dates:
10/19/1998 - 12/27/2002

NOTES:

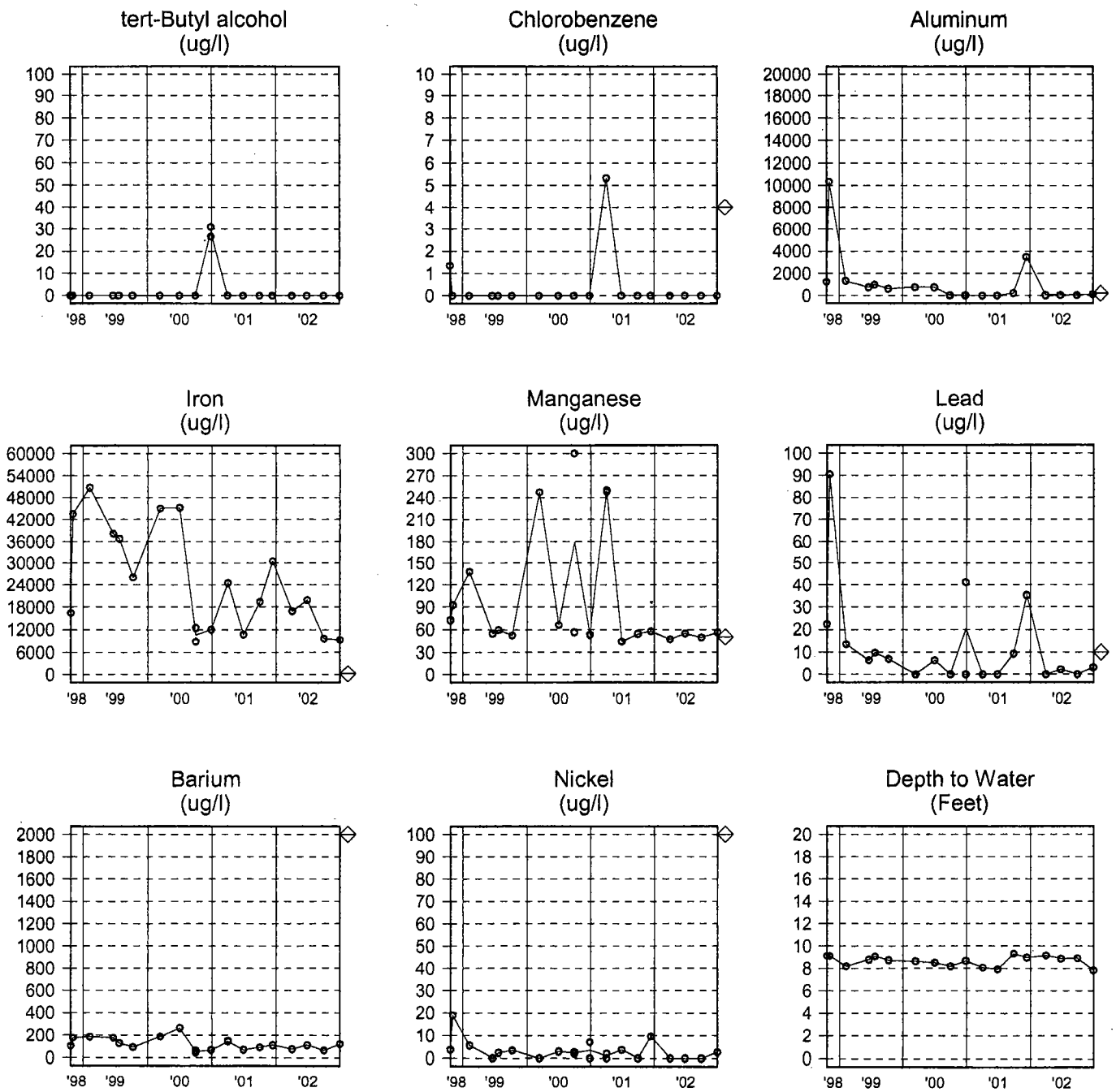
Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 6 of 24

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 00M2MW06

Sampling Dates:
10/19/1998 - 12/27/2002

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Barium	Cadmium	Calcium	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:	-	200	300	50	10	2000	4	NLE	50000	-	-
10/19/1998	FMETL	1480	14800	94.8	13	96.6	ND	51700	13500	7.61	V,S,P,M
11/02/1998	FMETL	3870	23800	82.2	16.4	107	2.36	51000	8650	7.61	V,S,P,M
02/03/1999	FMETL	433	41800	79.6	3.41	103	1.94	48300	9530	6.66	V,S,P,M
06/15/1999	FMETL	780	71900	80.3	ND	209	1.96	51200	8800	7.31	V,S,P,M
07/20/1999	FMETL	1150	19800	70.1	4.93	89.7	1.29	49700	9750	7.61	V,S,P,M
10/07/1999	FMETL	1680	35100	81.7	4.53	119	1.67	52600	18700	7.24	V,S,P,M
03/07/2000	FMETL	248	118000	156	ND	339	ND	56600	5780	7.15	V,S,P,M
06/27/2000	FMETL	161	167000	97.9	2.65	651	ND	62400	7930	7.21	V,S,P,M
09/28/2000	FMETL	51.5	9940	58.2	ND	69.1	ND	42500	8450	7.02	V,S,P,M
12/26/2000	FMETL	129	49200	118	ND	145	ND	50700	7870	7.41	V,S,P,M
03/28/2001	FMETL	1670	186000	119	18.0	474	22.4	55600	8100	6.78	V,S,P,M
06/27/2001	FMETL	ND	289000	135	13.6	1360	33.2	68200	8630	6.66	V,S,P,M
09/26/2001	FMETL	807	20200	60.4	ND	115	ND	51700	11300	7.62	V,S,P,M
12/20/2001	FMETL	555	26100	67.5	5.79	106	ND	53400	8860	7.61	V,S,P,M
03/26/2002	FMETL	1880	182000	101	8.04	520	4.94	59400	8420	7.05	V,S,P,M
06/19/2002	FMETL	336	15900	54.7	ND	114	ND	49700	8380	7.41	V,S,P,M
09/24/2002	FMETL	437	30100	72.8	1.89	166	0.793	57000	9000	7.44	V,S,P,M
12/16/2002	FMETL	ND	15200	66.5	1.41	247	ND	54400	8230	6.63	V,S,P,M

SOURCE: 00M2MW07

Sampling Dates:
10/19/1998 - 12/16/2002

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
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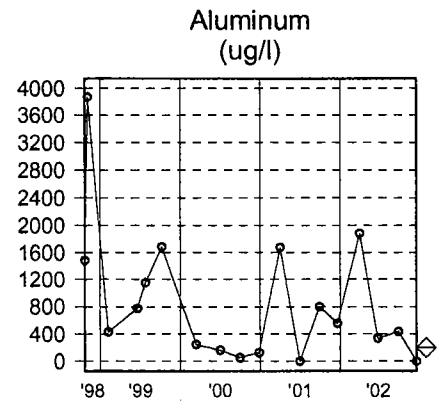

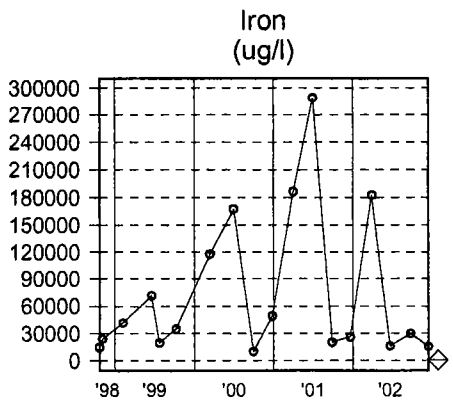

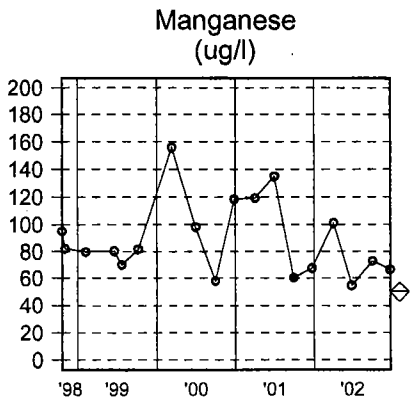

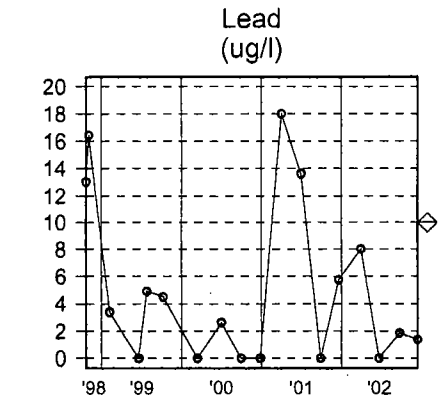

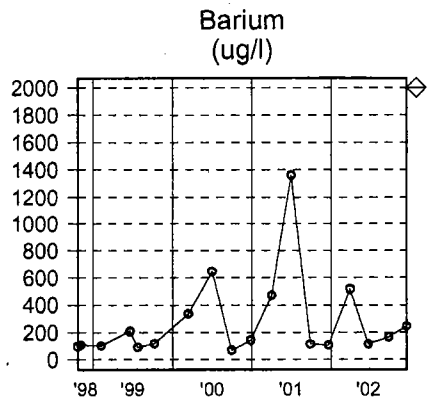

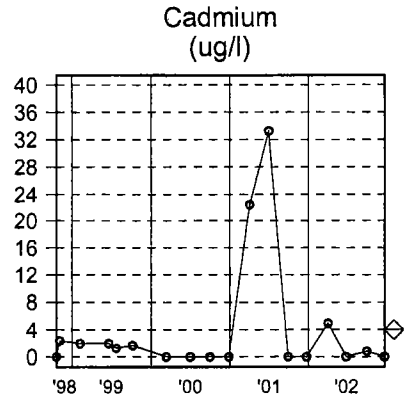

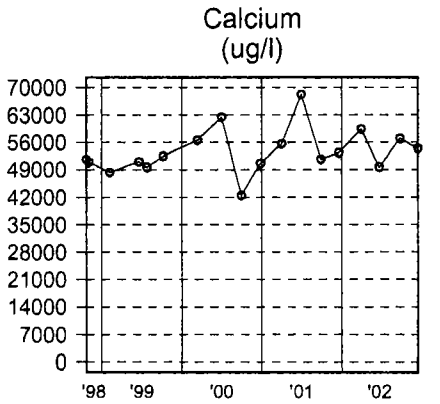

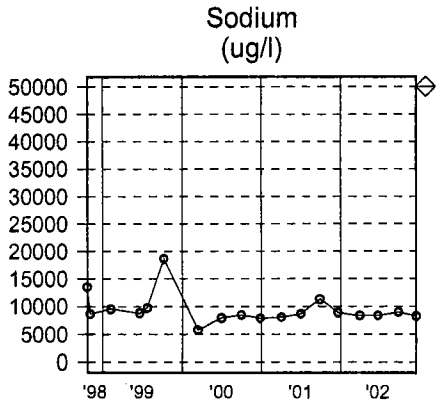

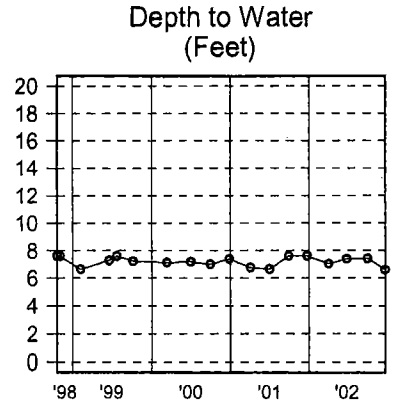

SOURCE: 00M2MW07

Sampling Dates:
10/19/1998 - 12/16/2002

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NJDEP Criteria

FORT MONMOUTH

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FORT MONMOUTH
SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Aluminum	Iron	Manganese	Lead	Barium	Calcium	Magnesium	Depth to Water	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	1	200	300	50	10	2000	NLE	NLE	-	-
10/19/1998	FMETL	7.46	1490	18400	55.1	11	72.6	40000	5200	7.48	V,S,P,M
11/02/1998	FMETL	5.88	8250	46100	69.9	45	87.2	42700	8600	7.48	V,S,P,M
02/03/1999	FMETL	5.56	1350	76500	61.7	5.57	136	39400	4460	6.46	V,S,P,M
06/15/1999	FMETL	4.13	3630	142000	74.6	13.5	562	44800	5910	7.22	V,S,P,M
07/20/1999	FMETL	2.66	1560	37200	56.5	10.6	120	39700	5220	7.51	V,S,P,M
10/07/1999	FMETL	ND	935	32500	55.5	6.65	98.5	41500	5090	7.29	V,S,P,M
03/07/2000	FMETL	ND	616	73100	56.5	3.37	197	39500	4750	6.92	V,S,P,M
06/27/2000	FMETL	ND	327	40000	47.1	31.0	152	40200	4960	7.01	V,S,P,M
09/28/2000	FMETL	1.12	37.3	13700	43.8	ND	46.7	40100	5030	6.71	V,S,P,M
12/26/2000	FMETL	ND	257	47400	38.5	ND	105	37700	4580	6.23	V,S,P,M
03/29/2001	FMETL	2.19	2280	221000	50.9	37.0	523	42800	5790	6.54	V,S,P,M
06/26/2001	FMETL	ND	583	116000	72.5	20.7	474	42100	5110	6.49	V,S,P,M
09/27/2001	FMETL	ND	1320	23200	49.0	4.15	78.1	41300	5810	6.26	V,S,P,M
12/20/2001	FMETL	ND	5360	54800	64.0	66.5	143	47200	7670	7.48	V,S,P,M
03/26/2002	FMETL	ND	5140	126000	80.5	33.9	279	45300	7280	6.95	V,S,P,M
06/19/2002	FMETL	ND	891	45500	50.4	10.2	148	40200	5250	7.20	V,S,P,M
09/24/2002	FMETL	ND	1570	33000	49.7	5.61	104	41400	5560	7.24	V,S,P,M
12/16/2002	FMETL	1.41	ND	15100	47.1	1.15	108	35600	4420	6.25	V,S,P,M

SOURCE: 00M2MW08

Sampling Dates:
10/19/1998 - 12/16/2002

NOTES:

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FORT MONMOUTH

GW MONITORING
Bldg M-2

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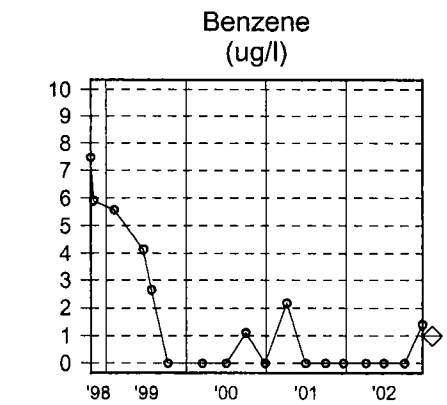

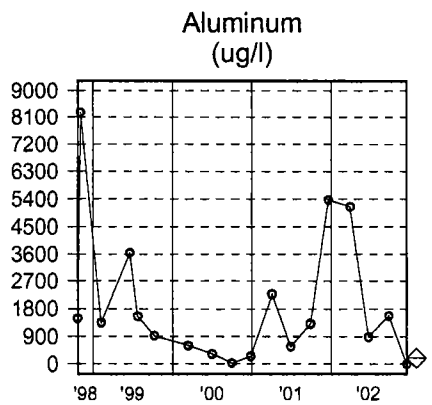

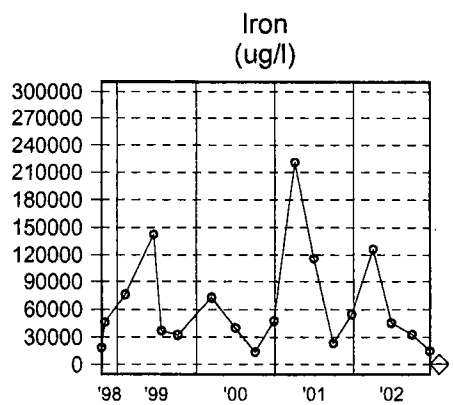

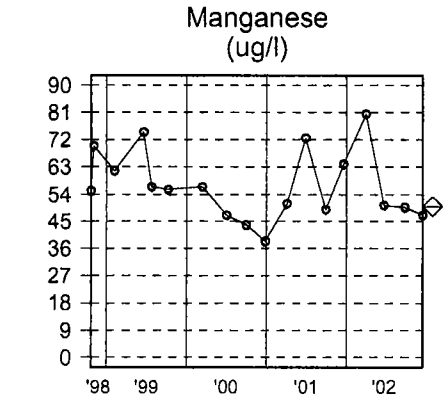

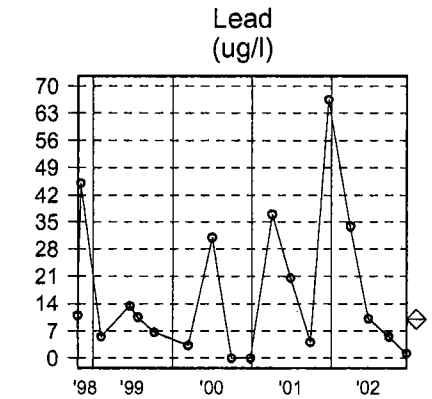

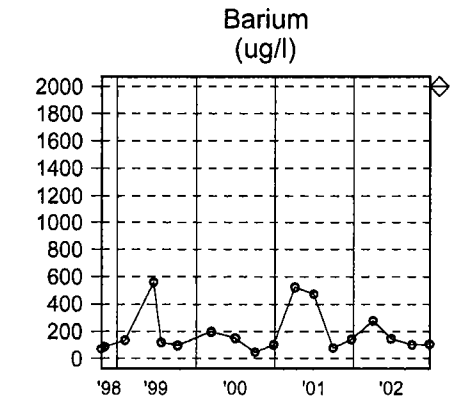

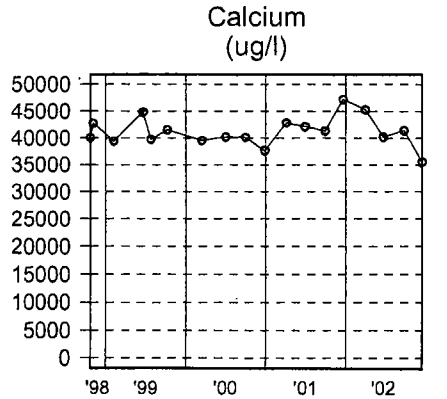

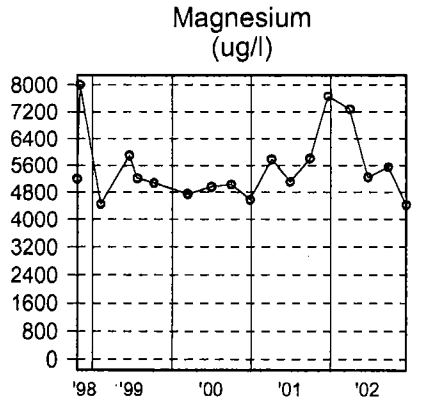

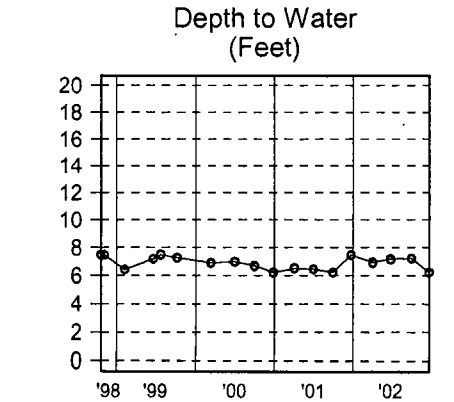

SOURCE: 00M2MW08

Sampling Dates:
10/19/1998 - 12/16/2002

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NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

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SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Aluminum	Iron	Manganese	Lead	Barium	Nickel	Zinc	Depth to Water	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	1	200	300	50	10	2000	100	5000	-	-
10/19/1998	FMETL	538.24	455	10400	1920	7	87	1.1	105	10.85	V,S,P,M
11/02/1998	FMETL	205.68	7880	36100	1560	41.6	146	14.2	565	10.85	V,S,P,M
02/03/1999	FMETL	263.2	3250	30900	4260	13.1	178	9.7	474	10.17	V,S,P,M
06/15/1999	FMETL	23.39	32300	99300	1430	95.9	279	46.8	2300	10.78	V,S,P,M
07/20/1999	FMETL	14.32	5850	24900	1200	20.5	104	10.2	406	10.99	V,S,P,M
10/07/1999	FMETL	3.91	5000	27500	1460	29.3	131	16.7	679	10.59	V,S,P,M
03/07/2000	FMETL	2.21	2850	15200	1310	11.2	77.5	7.5	263	10.89	V,S,P,M
06/27/2000	FMETL	ND	671	29200	1780	54.2	202	4.25	138	11.03	V,S,P,M
09/28/2000	FMETL	ND	5170	28800	1470	42.7	173	18.8	936	10.11	V,S,P,M
12/27/2000	FMETL	ND	126	4820	747	ND	49.6	ND	11.1	10.80	V,S,P,M
03/27/2001	FMETL	ND	80.0	10800	1690	ND	68.8	1.00	38.0	10.18	V,S,P,M
06/23/2001	FMETL	ND	ND	20000	1740	ND	103	3.70	183	10.30	V,S,P,M
09/26/2001	FMETL	ND	274	27400	1720	2.39	181	ND	135	11.06	V,S,P,M
12/31/2001	FMETL	ND	617	23200	780	7.01	127	4.79	293	11.09	V,S,P,M
03/26/2002	FMETL	ND	729	16700	1380	4.03	91.7	ND	119	10.76	V,S,P,M
06/22/2002	FMETL	ND	ND	11000	1330	ND	62.5	ND	18.3	10.11	V,S,P,M
09/27/2002	FMETL	ND	35.9	5920	663	ND	57.6	ND	33.2	10.88	V,S,P,M
12/27/2002	FMETL	2.35	117	5960	1170	ND	88.4	ND	297	10.32	V,S,P,M

SOURCE: 00M2MW09

Sampling Dates:
10/19/1998 - 12/27/2002

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

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Bldg M-2

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FORT MONMOUTH
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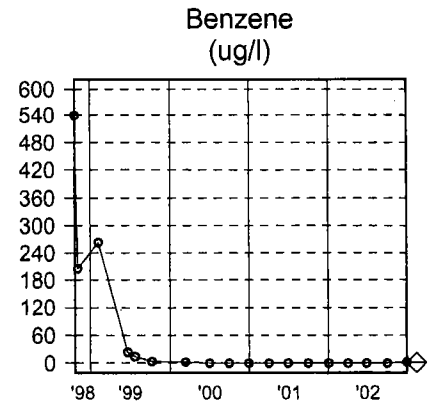
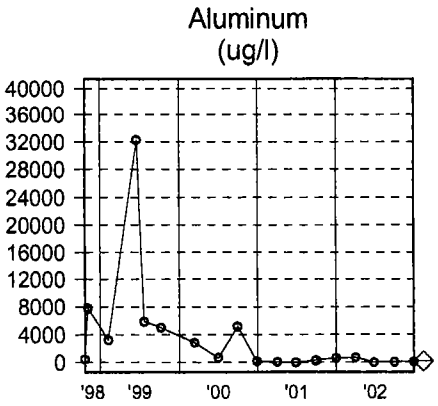
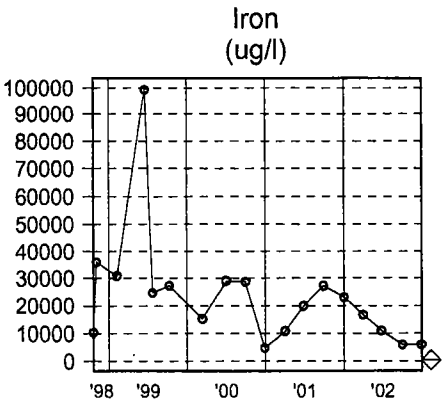
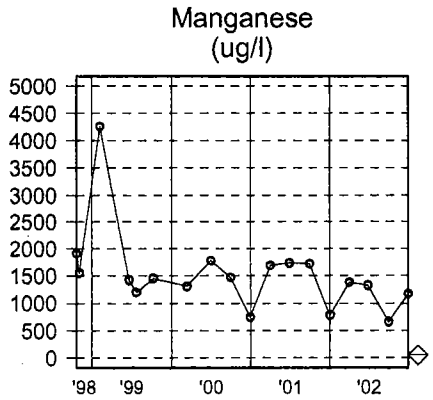
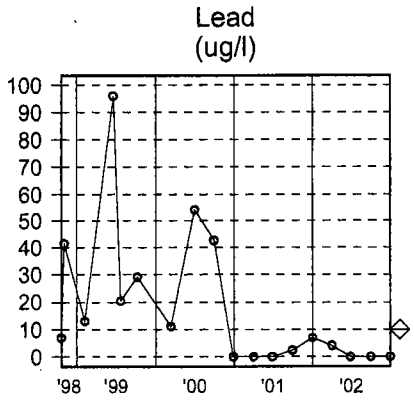
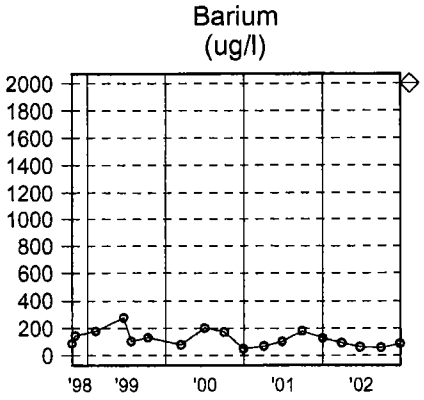


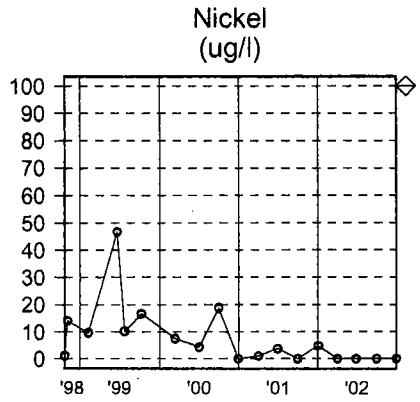


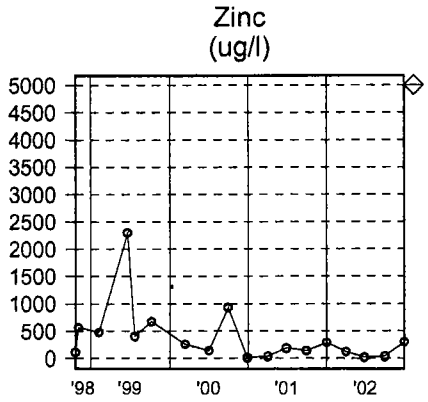


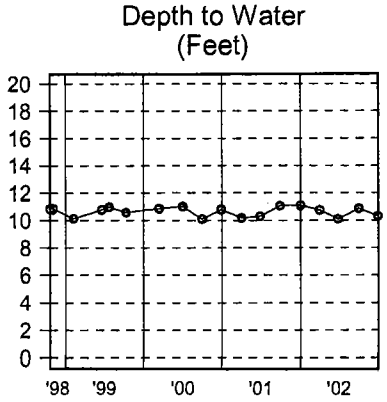












SOURCE: 00M2MW09

Sampling Dates:
10/19/1998 - 12/27/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 9 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Barium	Calcium	Magnesium	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:	-	200	300	50	10	2000	NLE	NLE	50000	-	-
10/19/1998	FMETL	486	4280	22.5	2.94	23.1	24600	1750	3870	8.24	V,S,P,M
11/02/1998	FMETL	3670	20600	47.4	4.47	58.6	45300	4300	7600	8.24	V,S,P,M
02/03/1999	FMETL	638	24300	68.6	ND	168	44100	2600	8080	6.81	V,S,P,M
06/15/1999	FMETL	5610	65600	79.2	7.75	404	53400	4430	7800	7.94	V,S,P,M
07/20/1999	FMETL	1010	10700	63.1	8.20	79.2	43600	3260	7540	8.35	V,S,P,M
10/07/1999	FMETL	98.4	6390	37.7	ND	65.9	44000	2960	7310	8.00	V,S,P,M
03/07/2000	FMETL	442	46200	104	ND	504	50000	3220	4850	7.50	V,S,P,M
06/27/2000	FMETL	430	6530	36.4	7.42	60.1	44800	3220	6660	7.61	V,S,P,M
09/27/2000	FMETL	218	2890	27.5	ND	36.2	42300	3380	7390	7.01	V,S,P,M
12/26/2000	FMETL	441	39500	159	ND	254	44800	2990	9830	7.93	V,S,P,M
03/29/2001	FMETL	750	73400	85.4	9.00	835	53300	3520	7200	8.34	V,S,P,M
06/26/2001	FMETL	1460	10900	44.3	1.88	73.8	44200	3430	7410	8.41	V,S,P,M
09/27/2001	FMETL	2550	12000	46.4	2.59	49.0	43300	4020	6570	8.31	V,S,P,M
12/20/2001	FMETL	ND	33500	237	2.24	233	50400	3400	8380	8.62	V,S,P,M
03/26/2002	FMETL	5330	207000	332	10.3	1350	78000	5620	7690	7.88	V,S,P,M
06/20/2002	FMETL	1170	22500	50.5	ND	218	45000	3470	6790	8.06	V,S,P,M
09/24/2002	FMETL	806	8480	48.1	ND	69.0	43200	3400	7850	7.86	V,S,P,M
12/16/2002	FMETL	652	24400	74.2	1.61	445	49700	3310	6640	7.63	V,S,P,M

SOURCE: 00M2MW10

Sampling Dates:
10/19/1998 - 12/16/2002

NOTES:

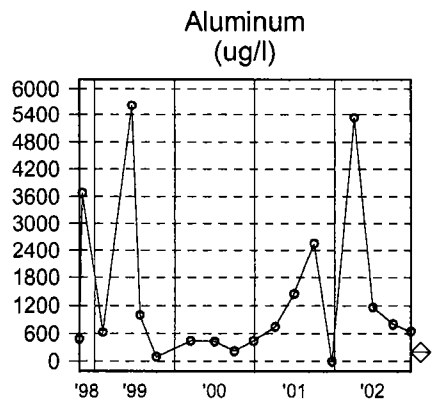
Silver in blank > GW Criteria for May 97.

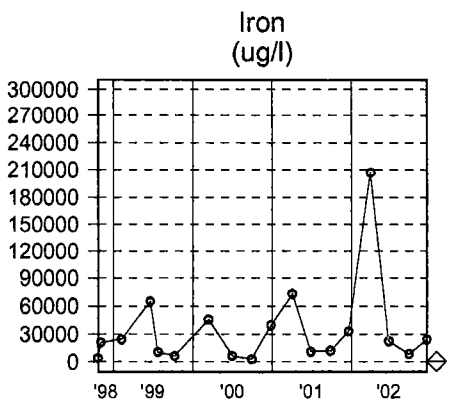
FORT MONMOUTH

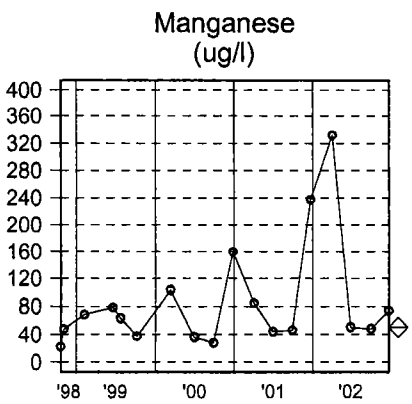
GW MONITORING
Bldg M-2

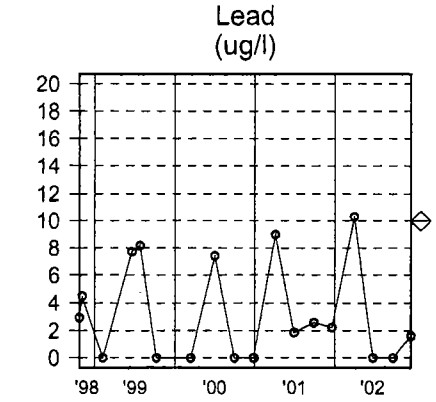
Source 10 of 24

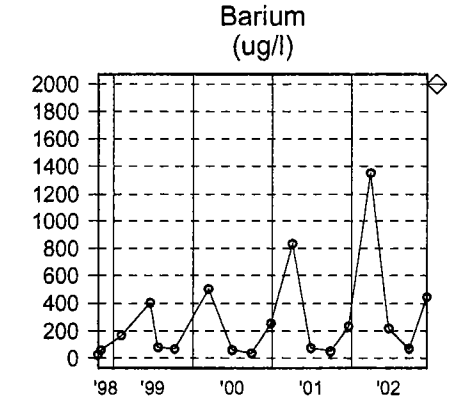
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

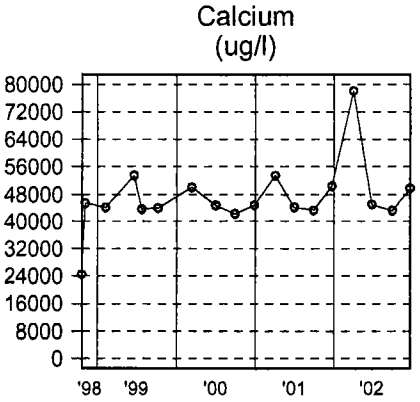


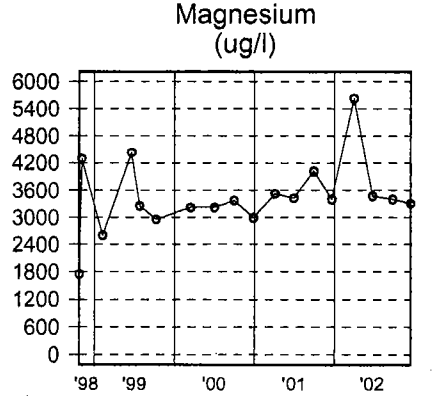


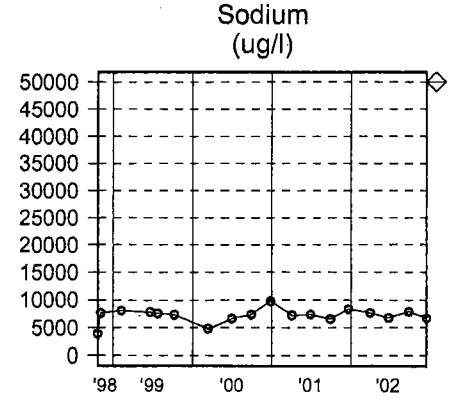


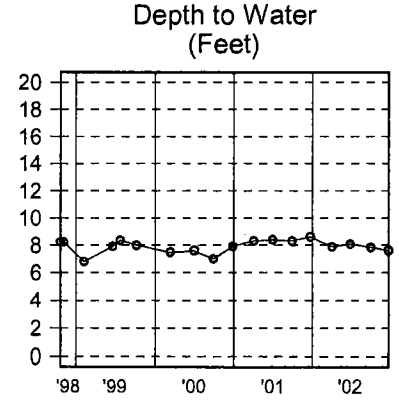












SOURCE: 00M2MW10

Sampling Dates:
10/19/1998 - 12/16/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 10 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Iron	Manganese	Lead	Calcium	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:	-	1	300	50	10	NLE	NLE	NLE	50000	-	-
09/29/2000	FMETL	78.23	186	17.8	ND	38700	3900	5260	4260	8.71	V,S,P,M
12/29/2000	FMETL	82.83	308	26.2	ND	38700	3770	5240	3270	7.00	V,S,P,M
12/29/2000D	FMETL	80.52	239	16.0	ND	37600	3680	5040	3090	7.00	V,S,P,M
03/26/2001	FMETL	73.81	110	59.5	4.00	35300	3710	4540	3600	8.58	V,S,P,M
06/26/2001	FMETL	ND	163	16.9	ND	34500	3690	5060	3380	8.52	V,S,P,M
09/26/2001	FMETL	ND	319	8.43	23.2	33000	3650	5280	ND	9.91	V,S,P,M
11/30/2001	FMETL	114.25	309	24.6	ND	40600	4240	5840	2430	9.75	V,S,P,M
03/26/2002	FMETL	ND	116	2.01	ND	35000	3850	5260	3290	9.45	V,S,P,M
06/20/2002	FMETL	ND	180	4.16	ND	31900	3500	4640	3000	9.66	V,S,P,M
09/20/2002	FMETL	ND	136	12.5	1.53	33200	3700	5220	3940	9.58	V,S,P,M
12/27/2002	FMETL	ND	65.6	ND	4.74	33500	3620	5080	3120	8.62	V,S,P,M

SOURCE: 00M2MW11

Sampling Dates:
09/29/2000 - 12/27/2002

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

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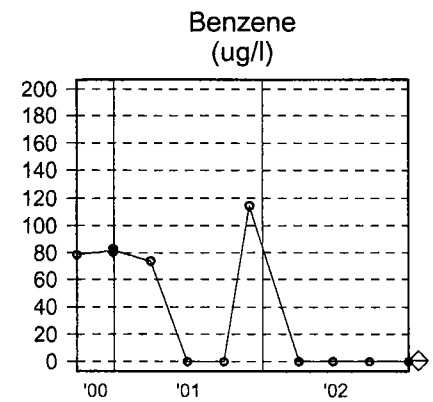
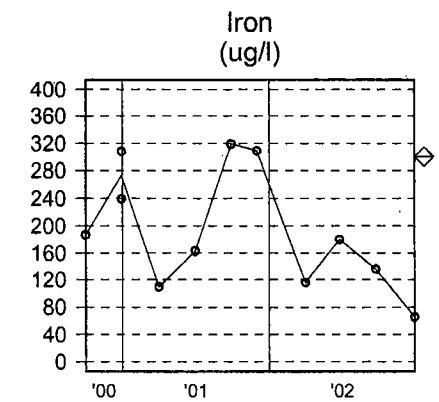
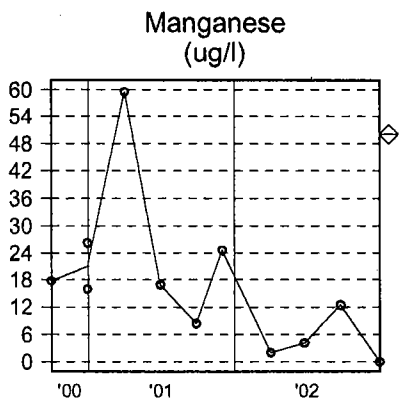
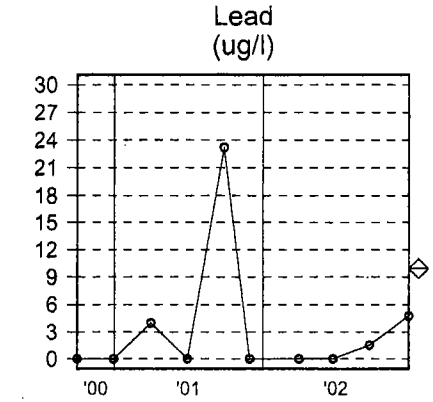
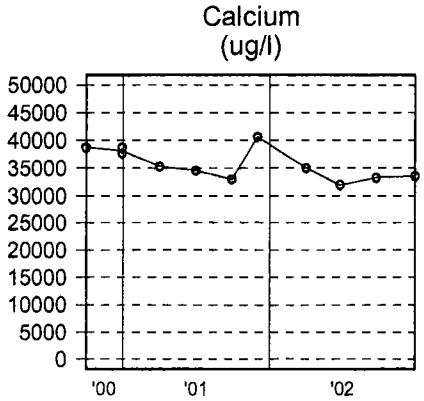
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

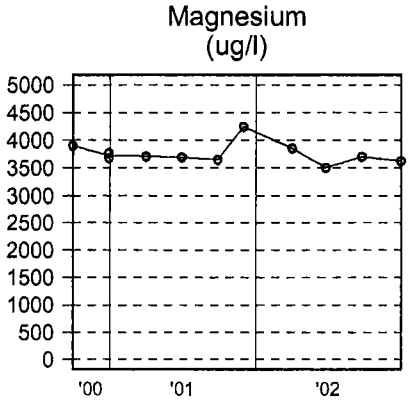


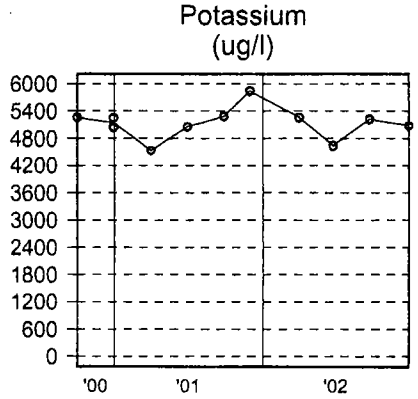


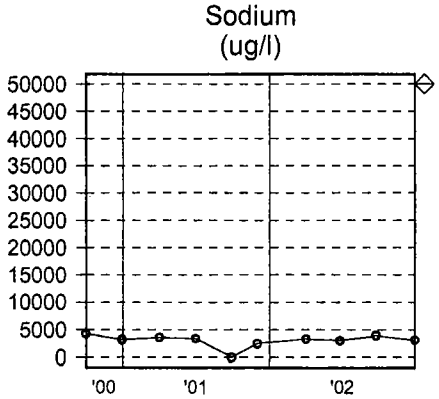


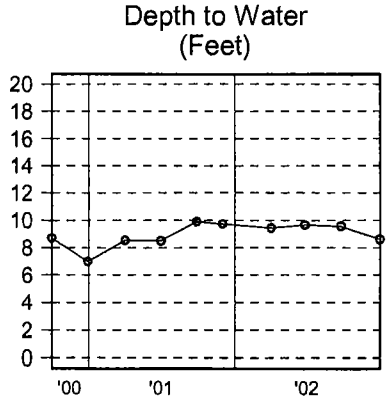












SOURCE: 00M2MW11

Sampling Dates:
09/29/2000 - 12/27/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 11 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Barium	Calcium	Magnesium	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:	-	200	300	50	10	2000	NLE	NLE	50000	-	-
09/29/2000	FMETL	47.0	238	23.5	56.3	32.1	38800	4030	3890	8.23	V,S,P,M
09/29/2000D	FMETL	81.3	245	22.5	ND	32.3	39500	4100	3930	8.23	V,S,P,M
12/29/2000	FMETL	ND	279	21.0	ND	31.8	35300	3660	2710	7.80	V,S,P,M
03/26/2001	FMETL	30.0	410	171	11.0	34.1	32200	3530	3000	7.61	V,S,P,M
06/26/2001	FMETL	ND	539	19.9	ND	36.4	35200	3810	3060	7.58	V,S,P,M
09/27/2001	FMETL	ND	194	9.12	8.15	28.7	34800	3800	2220	9.77	V,S,P,M
11/30/2001	FMETL	ND	327	26.9	ND	34.0	41300	4330	3490	9.79	V,S,P,M
03/26/2002	FMETL	ND	254	11.5	ND	30.0	35000	3880	4140	9.22	V,S,P,M
06/20/2002	FMETL	ND	255	24.0	ND	44.2	33700	3710	3490	9.44	V,S,P,M
09/20/2002	FMETL	188	199	11.5	ND	32.2	33300	3780	3440	9.36	V,S,P,M
12/27/2002	FMETL	ND	218	3.66	ND	29.0	34800	3800	3470	8.37	V,S,P,M

SOURCE: 00M2MW12

Sampling Dates:
09/29/2000 - 12/27/2002

NOTES:

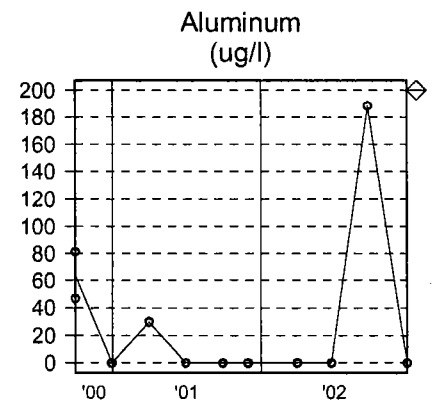
Silver in blank > GW Criteria for May 97.

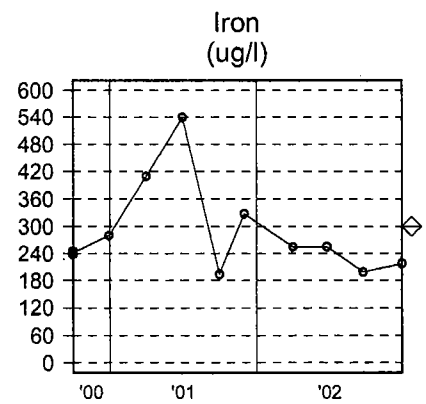
FORT MONMOUTH

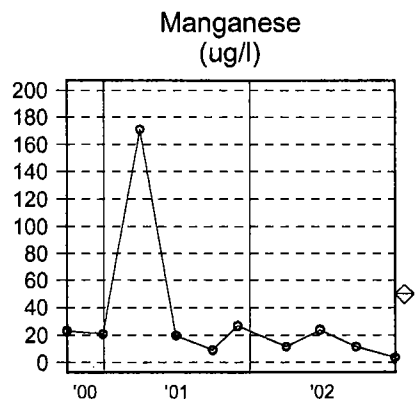
GW MONITORING
Bldg M-2

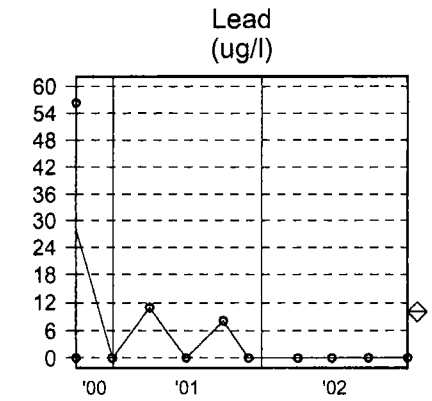
Source 12 of 24

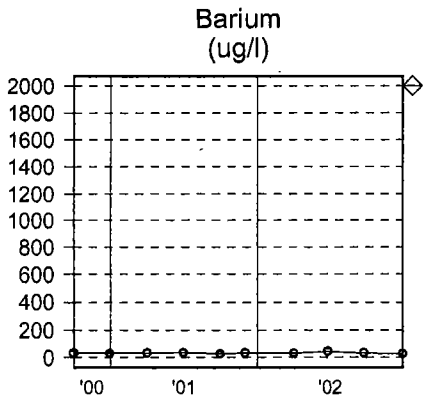
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

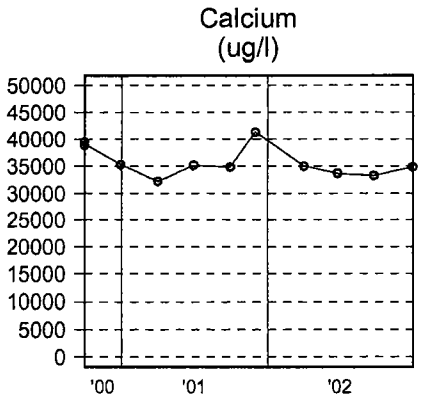


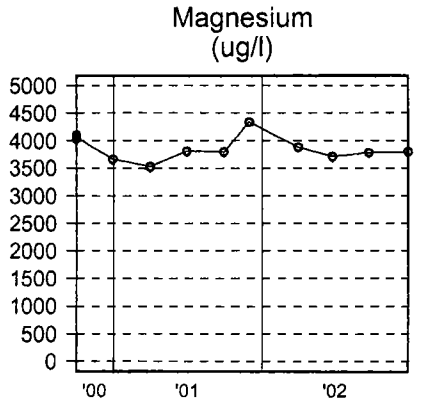


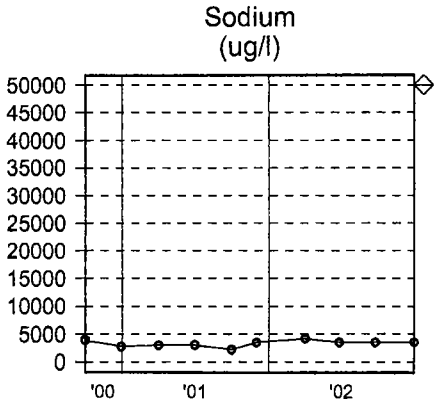


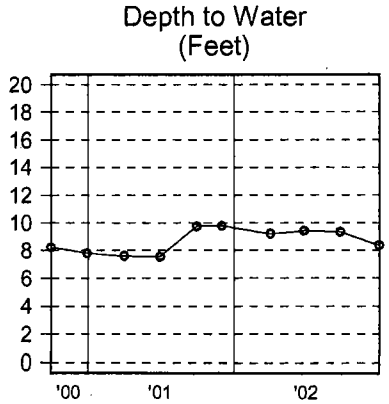












SOURCE: 00M2MW12

Sampling Dates:
09/29/2000 - 12/27/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 12 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	Iron	Manganese	Lead	Barium	Calcium	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	10	2000	NLE	NLE	NLE	50000	-	-
09/27/2000	FMETL	11800	84.1	15.4	50.2	20500	2280	5650	11700	9.89	V,S,P,M
12/20/2000	FMETL	14600	103	17.3	55.0	23200	2530	5530	15500	9.92	V,S,P,M
03/29/2001	FMETL	71800	102	7.00	712	21800	2190	5870	10200	9.72	V,S,P,M
06/27/2001	FMETL	59600	108	1.12	653	24300	2040	6250	11600	9.81	V,S,P,M
09/27/2001	FMETL	17300	87.8	ND	28.3	17800	3180	4280	18500	10.56	V,S,P,M
12/14/2001	FMETL	28000	123	21.0	39.5	22500	4100	5110	20600	10.62	V,S,P,M
03/27/2002	FMETL	18400	144	ND	65.3	23700	2710	4280	15900	9.86	V,S,P,M
06/20/2002	FMETL	23000	131	ND	164	29800	3290	6290	14800	10.88	V,S,P,M
09/24/2002	FMETL	23600	189	2.28	99.5	35200	4180	6980	17900	10.54	V,S,P,M
12/27/2002	FMETL	28100	111	1.71	243	26700	2760	6640	11000	9.53	V,S,P,M

SOURCE: 00M2MW13

Sampling Dates:
09/27/2000 - 12/27/2002

NOTES:

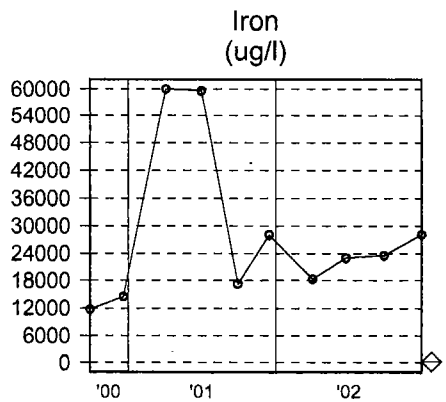
Silver in blank > GW Criteria for May 97.

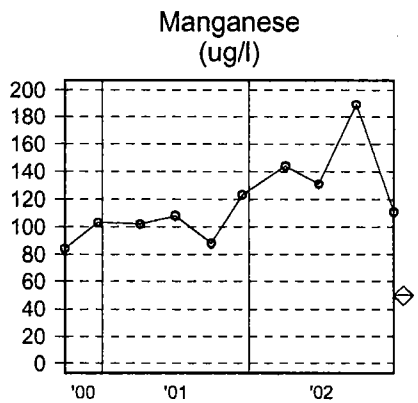
FORT MONMOUTH

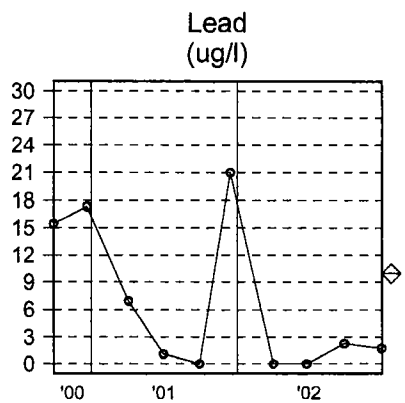
GW MONITORING
Bldg M-2

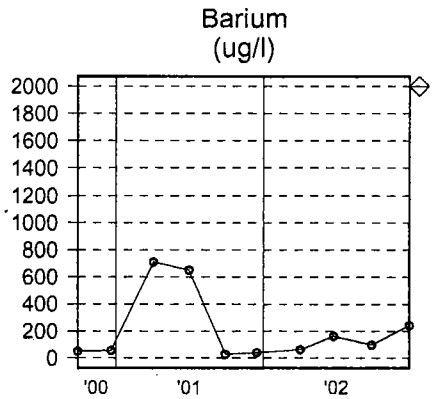
Source 13 of 24

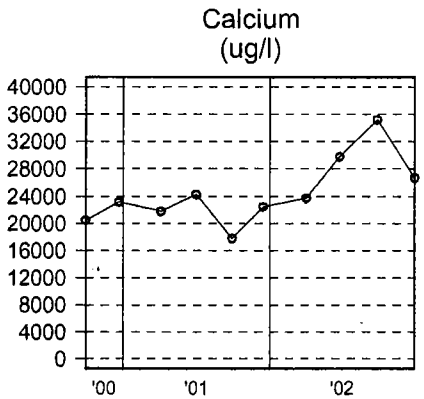
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

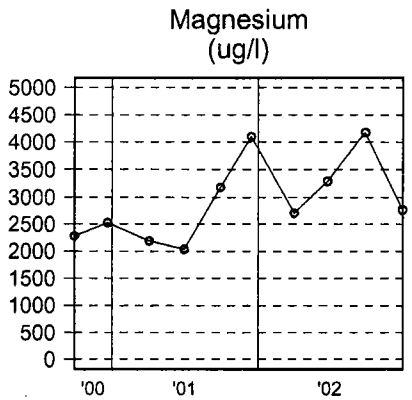


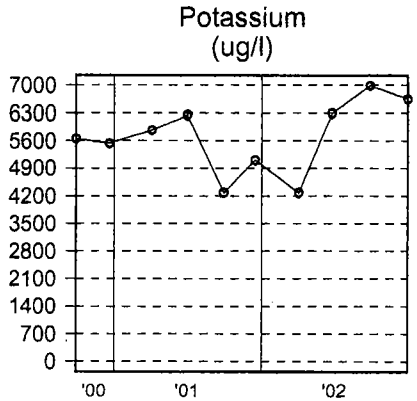


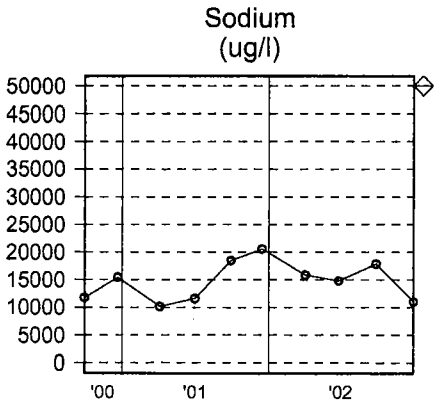


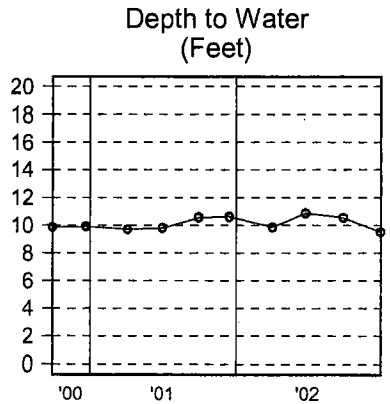












SOURCE: 00M2MW13

Sampling Dates:
09/27/2000 - 12/27/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 13 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Barium	Calcium	Magnesium	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:	-	200	300	50	10	2000	NLE	NLE	50000	-	-
09/26/2000	FMETL	61.9	31600	226	ND	28.2	13000	4910	16400	10.97	V,S,P,M
12/20/2000	FMETL	80.5	43600	280	ND	27.7	13000	5130	14700	11.03	V,S,P,M
03/29/2001	FMETL	ND	38300	287	5.00	39.2	12300	5440	16700	10.05	V,S,P,M
06/27/2001	FMETL	ND	31500	205	ND	33.3	10600	4050	15700	10.11	V,S,P,M
09/27/2001	FMETL	63.3	21100	165	ND	23.7	8630	3570	13500	11.86	V,S,P,M
12/14/2001	FMETL	137	39000	214	10.2	35.7	13400	4610	14100	12.31	V,S,P,M
03/27/2002	FMETL	74.4	34500	190	2.72	29.6	10800	3540	13200	11.16	V,S,P,M
06/20/2002	FMETL	141	32200	193	ND	28.6	11900	4140	13200	11.86	V,S,P,M
09/24/2002	FMETL	375	38800	262	2.27	42.9	11700	5260	13800	11.79	V,S,P,M
12/27/2002	FMETL	128	24100	246	1.76	41.1	15100	5610	16600	9.83	V,S,P,M

SOURCE: 00M2MW14

Sampling Dates:
09/26/2000 - 12/27/2002

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

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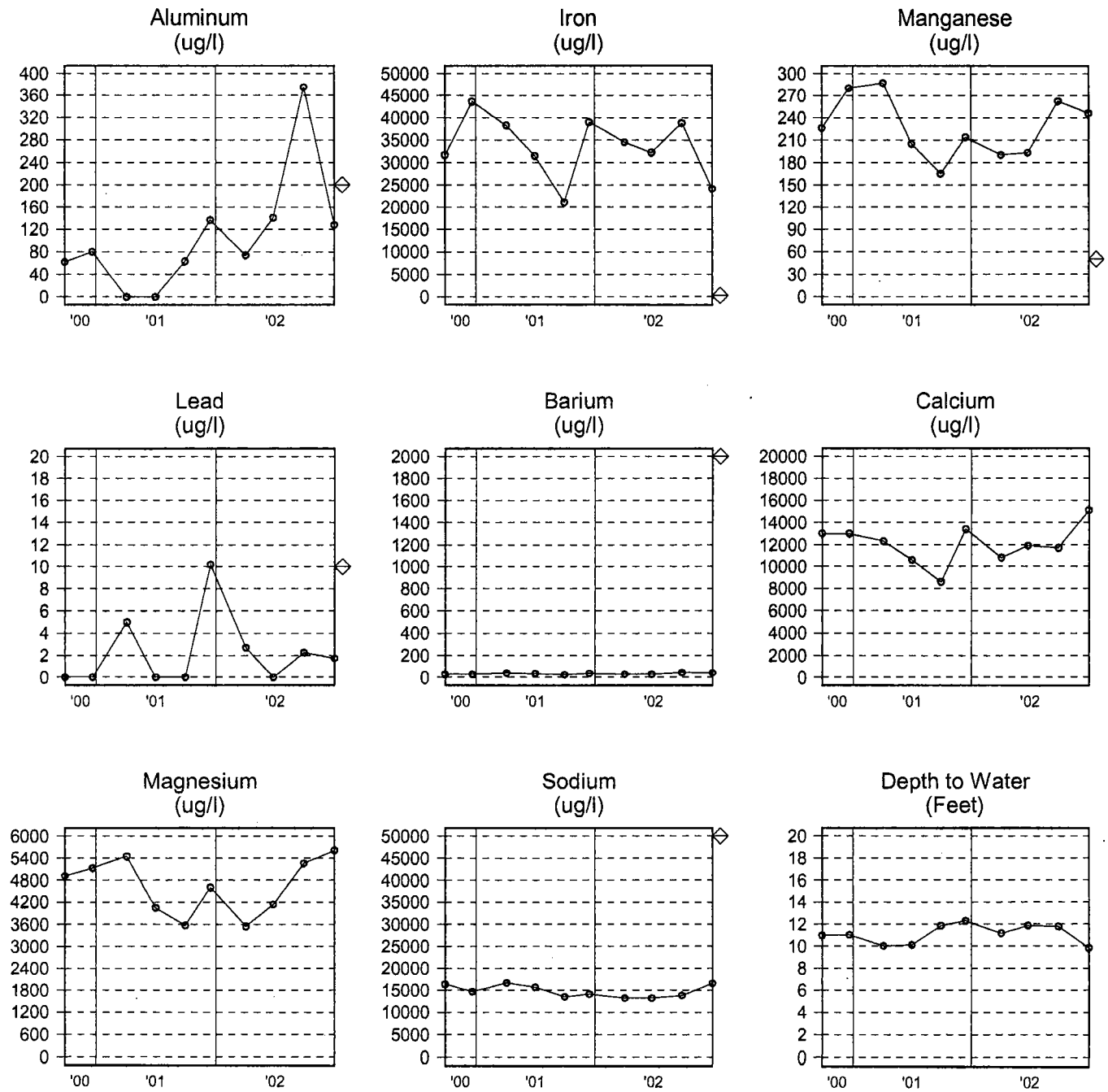
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 00M2MW14

Sampling Dates:
09/26/2000 - 12/27/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 14 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Barium	Calcium	Magnesium	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:	-	200	300	50	10	2000	NLE	NLE	50000	-	-
09/26/2000	FMETL	17.1	3790	52.4	ND	41.1	14000	3790	13100	9.87	V,S,P,M
12/20/2000	FMETL	72.0	3780	96.4	6.57	35.5	26700	5120	14700	10.12	V,S,P,M
03/29/2001	FMETL	80.0	18900	197	6.00	42.5	32900	5670	15100	9.53	V,S,P,M
03/29/2001D	FMETL	50.0	17100	193	6.00	43.5	32200	5530	14900	9.53	V,S,P,M
06/27/2001	FMETL	89.1	10000	104	1.09	48.9	35600	4740	14300	9.61	V,S,P,M
09/27/2001	FMETL	202	2150	72.0	1.26	33.0	24600	3780	9950	10.55	V,S,P,M
12/20/2001	FMETL	217	10500	71.0	229	43.7	30100	4210	10700	10.96	V,S,P,M
03/27/2002	FMETL	625	2160	89.1	1.68	85.1	49100	6460	14100	10.23	V,S,P,M
06/19/2002	FMETL	930	4030	60.8	4.18	251	22300	3950	10000	10.11	V,S,P,M
09/24/2002	FMETL	263	2190	39.8	1.64	45.4	15200	3650	10900	10.58	V,S,P,M
12/30/2002	FMETL	133	13600	170	1.59	44.0	68600	9950	18100	9.31	V,S,P,M

SOURCE: 00M2MW15

Sampling Dates:
09/26/2000 - 12/30/2002

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

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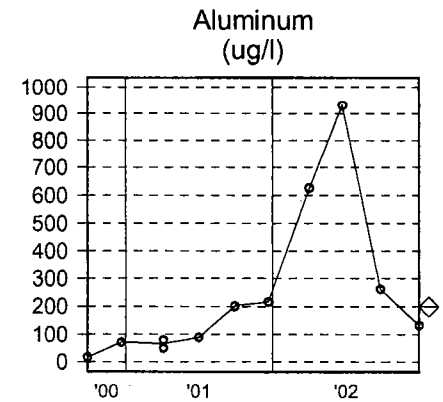
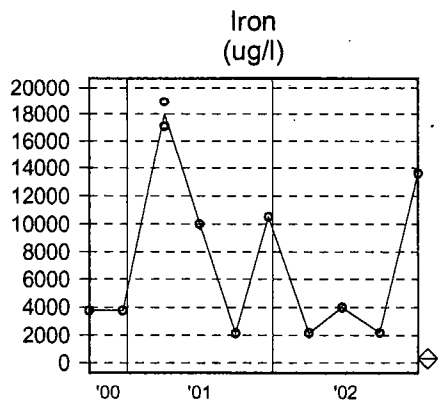
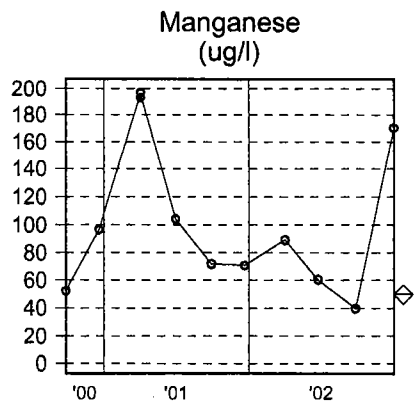
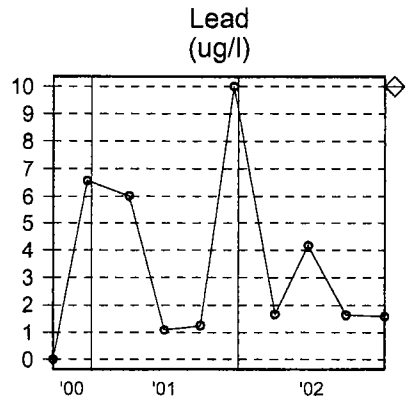
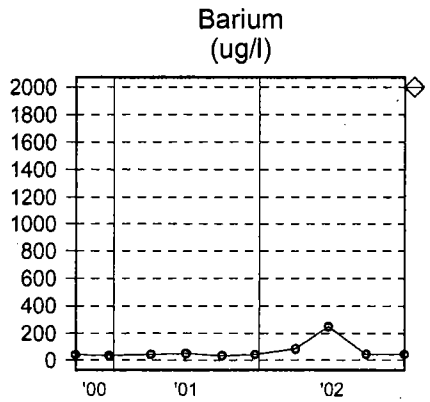
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

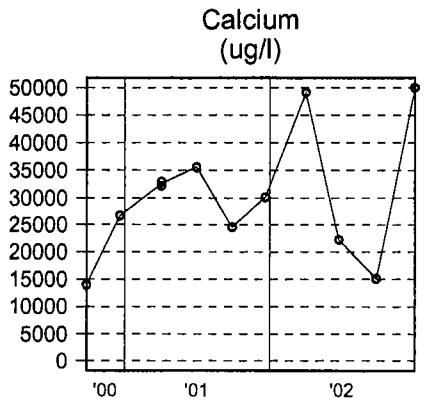


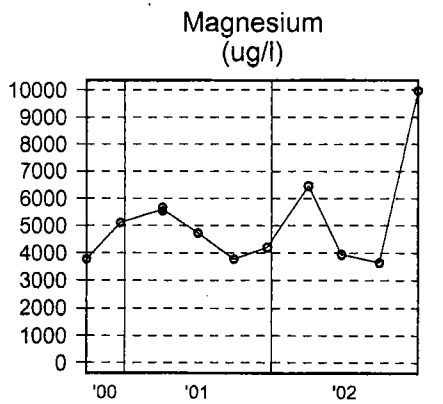


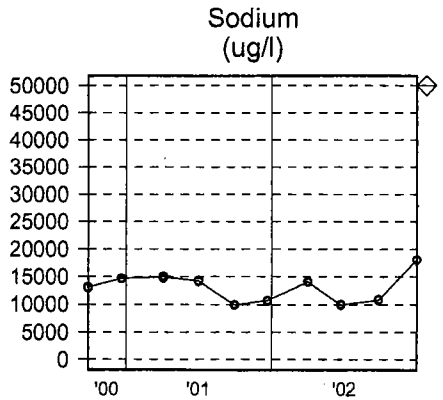


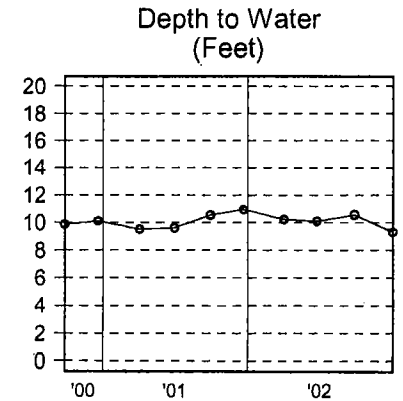












SOURCE: 00M2MW15

Sampling Dates:
09/26/2000 - 12/30/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 15 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Barium	Calcium	Magnesium	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:	-	200	300	50	10	2000	NLE	NLE	50000	-	-
09/26/2000	FMETL	20.5	16300	242	ND	175	17600	3010	12800	7.84	V,S,P,M
09/26/2000D	FMETL	13.9	16000	238	2.37	172	17200	2970	12900	7.84	V,S,P,M
12/20/2000	FMETL	44.4	13200	231	ND	144	16800	2950	12600	8.51	V,S,P,M
03/28/2001	FMETL	200	15100	320	9.00	105	25500	3660	10000	7.71	V,S,P,M
06/27/2001	FMETL	ND	29300	242	23.2	87.2	25300	3940	20600	7.87	V,S,P,M
09/27/2001	FMETL	38.3	14600	184	1.26	164	19400	3630	17400	9.33	V,S,P,M
12/30/2001	FMETL	ND	27400	401	3.82	343	25000	4660	18100	10.10	V,S,P,M
03/26/2002	FMETL	311	42500	1220	7.02	423	49500	9180	25600	8.65	V,S,P,M
06/19/2002	FMETL	124	14200	441	1.28	211	18200	3630	15100	8.79	V,S,P,M
09/25/2002	FMETL	174	26800	800	5.21	413	34500	5960	17900	9.71	V,S,P,M
12/30/2002	FMETL	158	2520	376	5.26	48.5	35500	4740	4050	7.01	V,S,P,M

SOURCE: 00M2MW16

Sampling Dates:
09/26/2000 - 12/30/2002

NOTES:

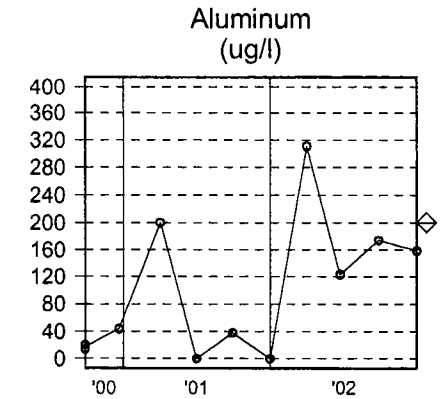
Silver in blank > GW Criteria for May 97.

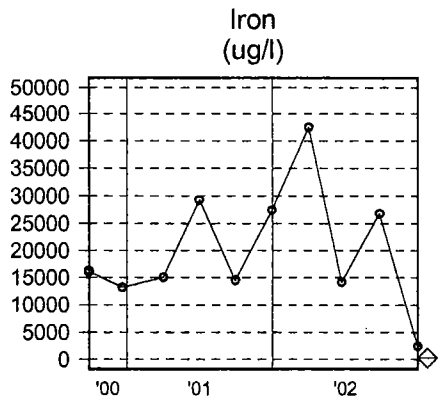
FORT MONMOUTH

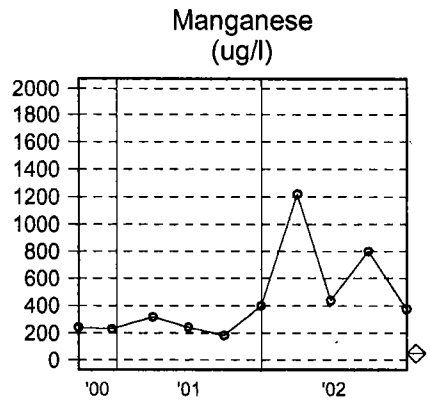
GW MONITORING
Bldg M-2

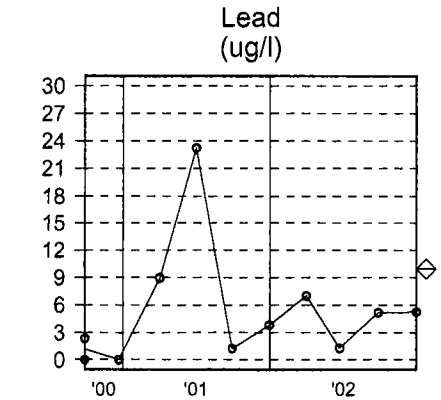
Source 16 of 24

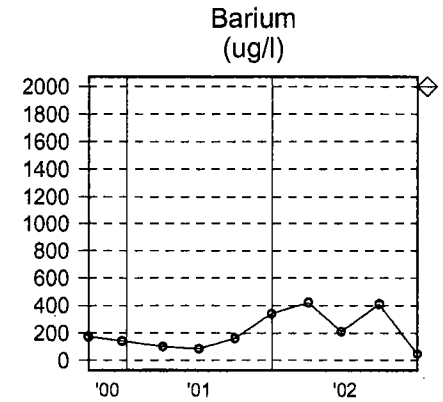
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

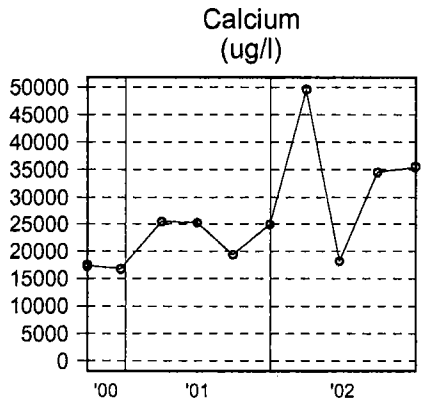


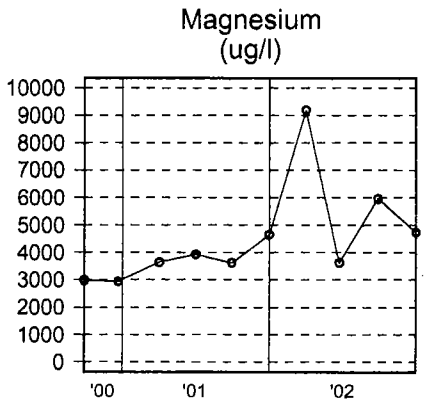


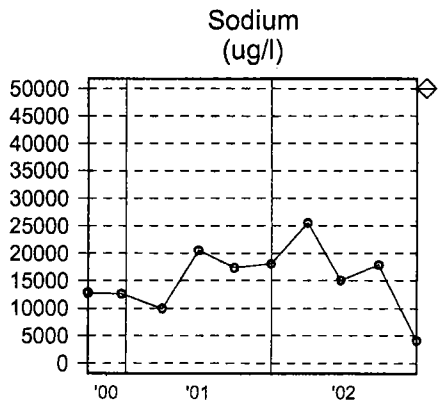


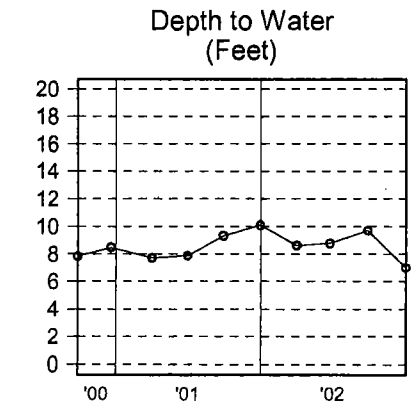












SOURCE: 00M2MW16

Sampling Dates:
09/26/2000 - 12/30/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 16 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Barium	Calcium	Magnesium	Nickel	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:	-	200	300	50	2000	NLE	NLE	100	50000	-	-
09/25/2000	FMETL	2820	3510	21.7	96.6	11700	4710	21.8	8740	10.01	V,S,P,M
12/26/2000	FMETL	332	541	18.8	77.0	11100	3900	ND	7540	10.95	V,S,P,M
03/28/2001	FMETL	500	950	37.4	103	15000	5120	7.00	7200	9.23	V,S,P,M
06/27/2001	FMETL	ND	145	26.8	87.9	12200	4280	4.22	8920	9.31	V,S,P,M
09/26/2001	FMETL	319	770	21.6	79.8	10700	4330	5.63	9400	12.29	V,S,P,M
12/20/2001	FMETL	546	1500	25.0	109	11500	5500	9.27	9460	12.57	V,S,P,M
03/26/2002	FMETL	798	342	32.6	77.3	13800	4990	13.6	8530	11.79	V,S,P,M
06/19/2002	FMETL	277	236	21.8	75.9	10400	4210	5.27	8750	11.88	V,S,P,M
09/24/2002	FMETL	237	75600	542	716	100000	7640	ND	18200	12.52	V,S,P,M
12/30/2002	FMETL	647	885	48.8	85.3	25200	4550	11.2	5820	8.39	V,S,P,M

SOURCE: 00M2MW17

Sampling Dates:
09/25/2000 - 12/30/2002

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

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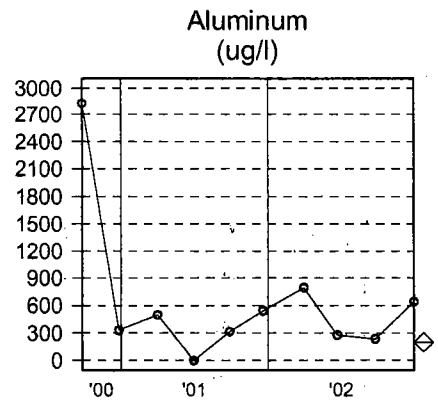
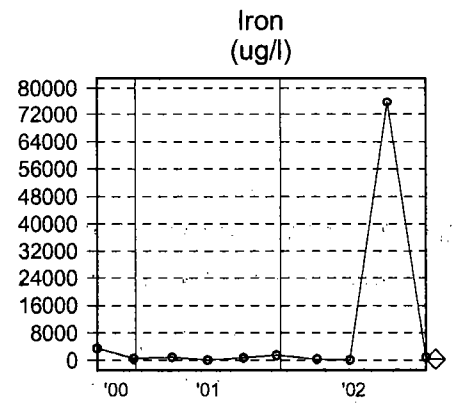
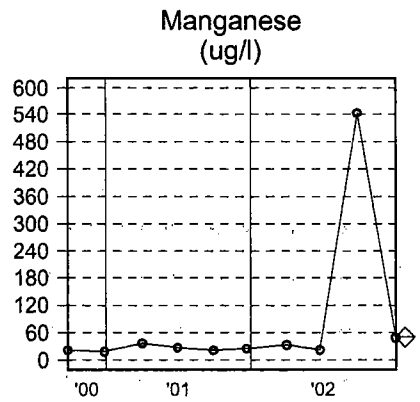
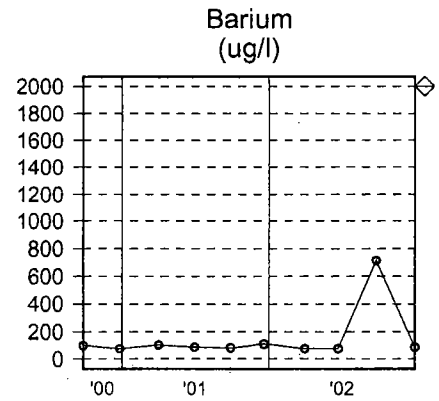
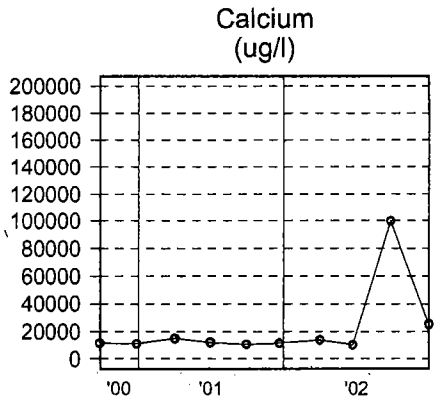
FORT MONMOUTH
SELFM-PW-EV

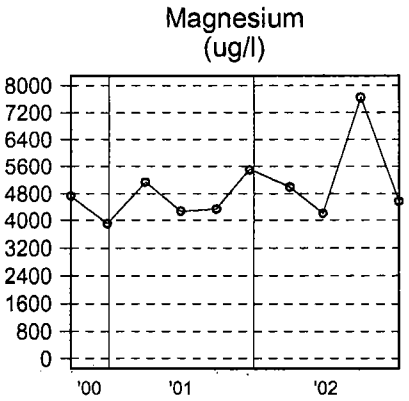


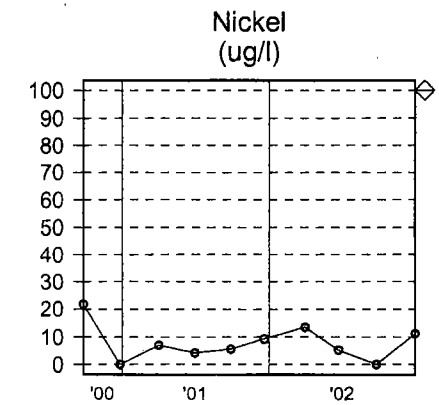


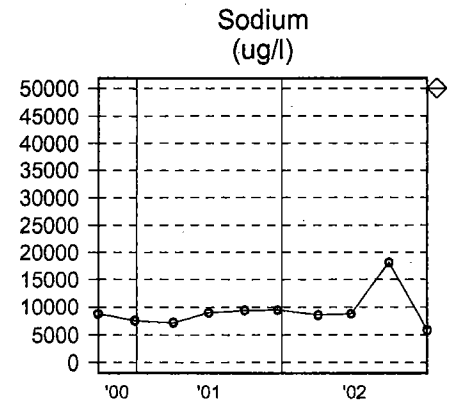


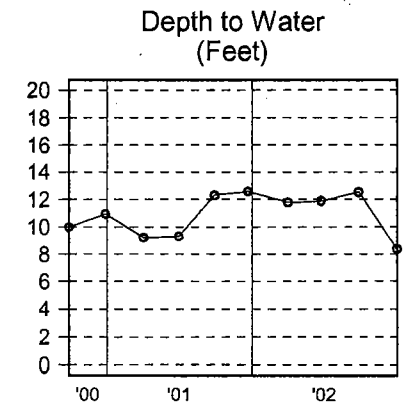












SOURCE: 00M2MW17

Sampling Dates:
09/25/2000 - 12/30/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 17 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	tert-Butyl alcohol	Iron	Manganese	Lead	Barium	Calcium	Magnesium	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:	-	NLE	300	50	10	2000	NLE	NLE	50000	-	-
09/25/2000	FMETL	ND	18800	138	8.66	52.8	26300	4110	5770	5.21	V,S,P,M
12/26/2000	FMETL	ND	20900	83.2	ND	55.6	25300	3650	5360	6.59	V,S,P,M
03/28/2001	FMETL	ND	47900	102	5.00	199	24400	3640	5600	6.19	V,S,P,M
06/27/2001	FMETL	ND	35200	85.2	ND	171	27400	4290	6040	6.27	V,S,P,M
09/26/2001	FMETL	156.67	20000	78.3	ND	71.7	28500	5060	7360	6.85	V,S,P,M
12/20/2001	FMETL	187.48	23700	79.5	29.4	102	29900	5360	5620	6.84	V,S,P,M
03/26/2002	FMETL	ND	66900	89.5	3.08	164	27100	4260	6550	6.50	V,S,P,M
06/19/2002	FMETL	249.17	25000	76.8	1.78	103	28300	4930	7810	6.69	V,S,P,M
09/24/2002	FMETL	209.9	19200	75.7	ND	75.0	29500	5170	6210	6.93	V,S,P,M
12/30/2002	FMETL	ND	62300	88.0	1.35	151	27300	4020	5380	7.87	V,S,P,M

SOURCE: 00M2MW18

Sampling Dates:
09/25/2000 - 12/30/2002

NOTES:

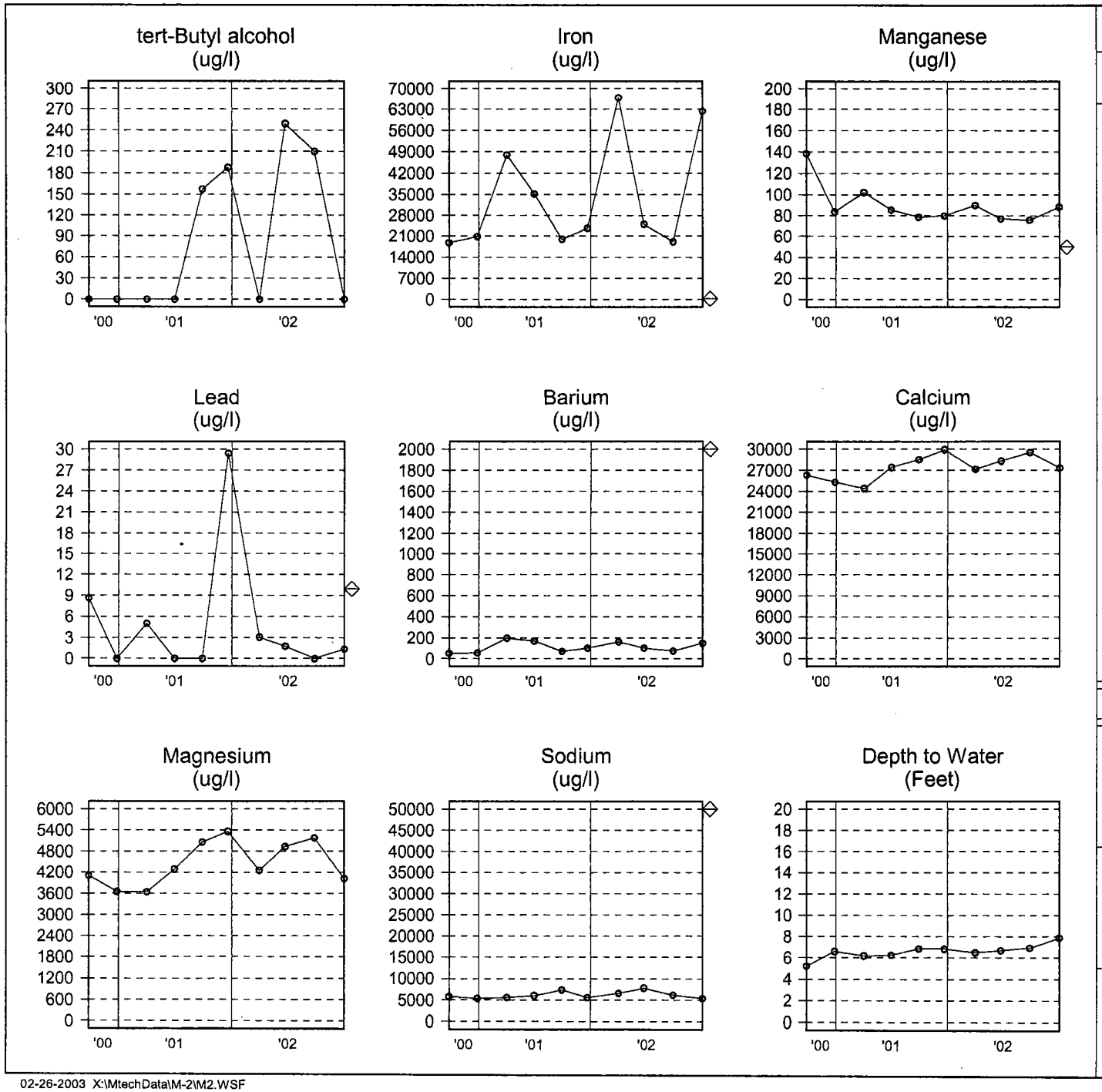
Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 18 of 24

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 00M2MW18

Sampling Dates:
09/25/2000 - 12/30/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 18 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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	Lab	Aluminum	Iron	Manganese	Barium	Calcium	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:	-	200	300	50	2000	NLE	NLE	NLE	50000	-	-
09/29/2000	FMETL	48.4	484	54.5	31.1	41100	3090	4820	4650	7.61	V,S,P,M
12/26/2000	FMETL	29.3	248	6.19	28.0	36500	2910	4990	3140	8.99	V,S,P,M
03/26/2001	FMETL	ND	500	62.3	33.5	37600	2790	4060	4200	7.89	V,S,P,M
06/26/2001	FMETL	ND	297	32.7	36.1	38100	3260	4910	3450	8.65	V,S,P,M
09/27/2001	FMETL	ND	408	35.8	29.7	35800	3040	4800	3370	9.75	V,S,P,M
11/30/2001	FMETL	ND	701	70.5	30.0	41700	2990	4860	4520	9.91	V,S,PM
03/26/2002	FMETL	17.2	517	59.1	30.9	38400	3170	4920	3510	9.30	V,S,P,M
06/19/2002	FMETL	14.2	1160	39.4	32.9	36800	3310	4770	2820	9.35	V,S,P,M
09/20/2002	FMETL	134	315	37.4	32.4	36200	3270	5040	2640	9.83	V,S,P,M
12/27/2002	FMETL	ND	131	1.61	27.2	36000	3160	4960	2850	7.81	V,S,P,M

SOURCE: 00M2MW19

Sampling Dates:
09/29/2000 - 12/27/2002

NOTES:

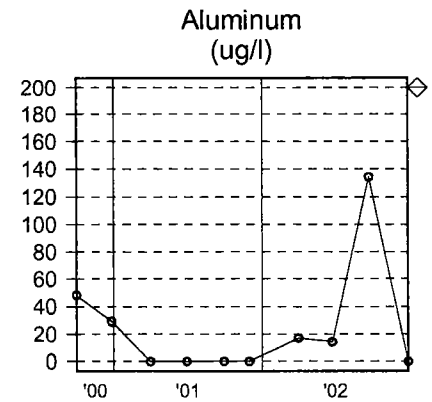
Silver in blank > GW Criteria for May 97.

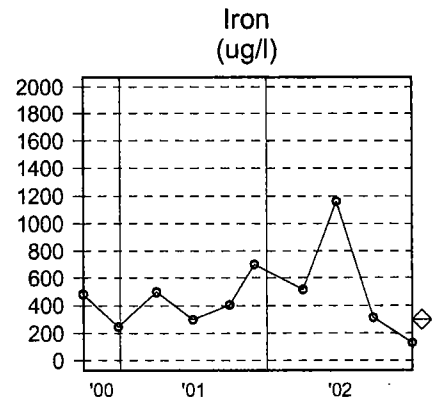
FORT MONMOUTH

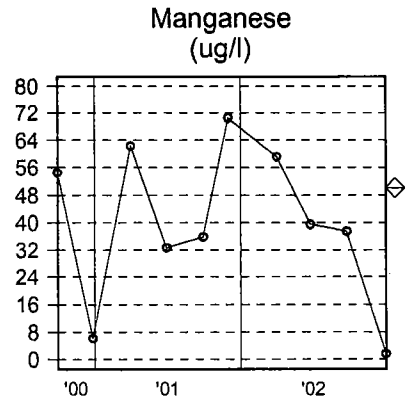
GW MONITORING
Bldg M-2

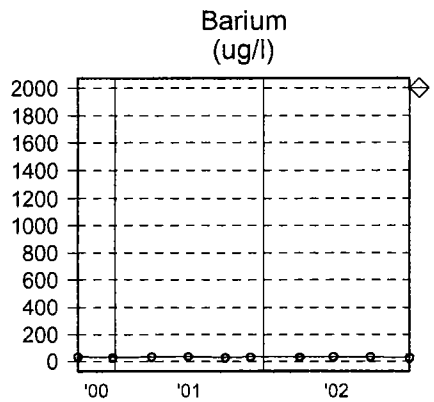
Source 19 of 24

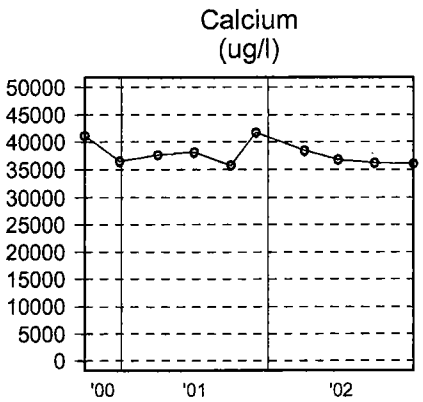
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

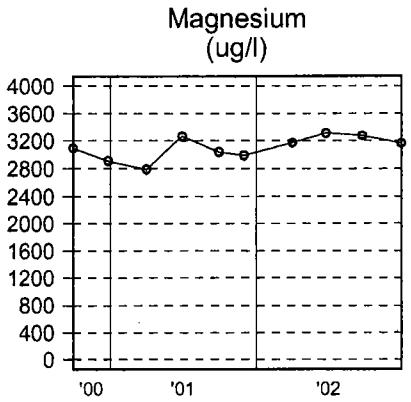


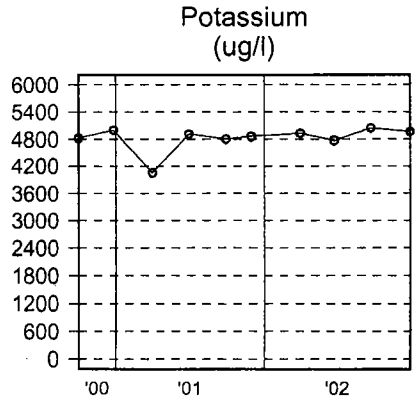


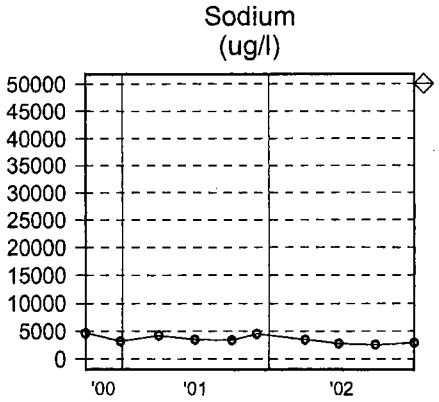


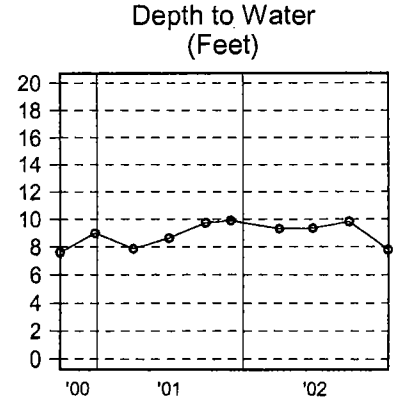












SOURCE: 00M2MW19

Sampling Dates:
09/29/2000 - 12/27/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 19 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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	Lab	Iron	Manganese	Barium	Calcium	Magnesium	Potassium	Sodium	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	300	50	2000	NLE	NLE	NLE	50000	-		-
09/29/2000	FMETL	1110	53.6	32.0	39900	3740	5760	4770	10.04		V,S,P,M
12/26/2000	FMETL	705	17.3	28.1	36000	3330	5140	4780	11.35		V,S,P,M
03/26/2001	FMETL	660	40.5	40.0	41100	3160	4510	4000	10.53		V,S,P,M
03/26/2001D	FMETL	620	37.8	35.1	41000	3190	4450	5400	10.53		V,S,P,M
06/26/2001	FMETL	3370	60.9	47.5	37300	3790	5090	3380	10.62		V,S,P.M
09/26/2001	FMETL	898	31.7	28.9	36000	3990	5310	5830	11.70		V,S,P,M
11/30/2001	FMETL	614	41.1	31.5	45600	3370	5060	6320	11.83		V,S,P,M
03/26/2002	FMETL	693	28.4	29.0	36300	3730	5270	3570	11.22		V,S,P,M
06/19/2002	FMETL	1860	54.0	33.2	36600	3860	4850	3690	11.45		V,S,P,M
09/20/2002	FMETL	586	23.5	26.5	35100	3680	5010	2790	11.71		V,S,P,M
12/27/2002	FMETL	357	11.8	26.2	36100	3720	5120	3030	10.42		V,S,P,M

SOURCE: 00M2MW20

Sampling Dates:
09/29/2000 - 12/27/2002

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

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U.S.ARMY
FORT MONMOUTH
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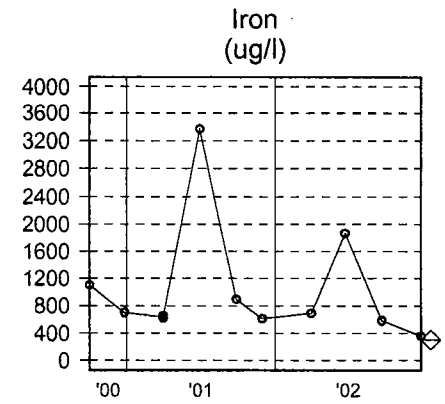

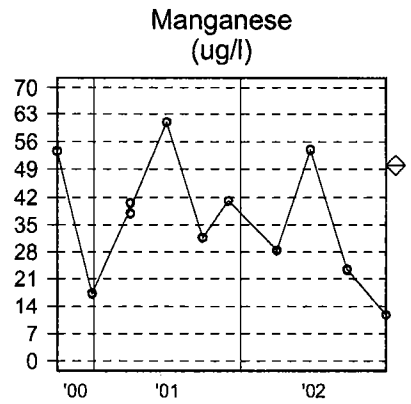

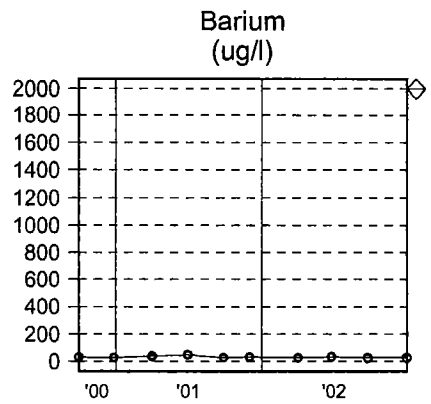

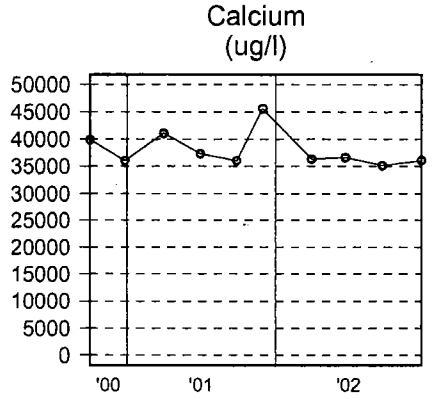

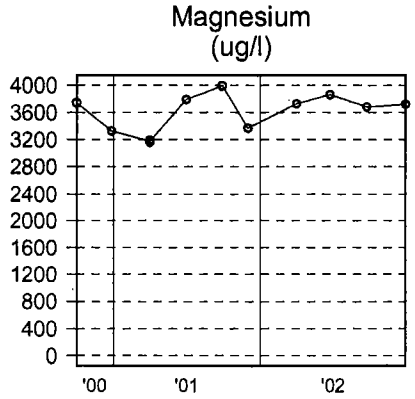

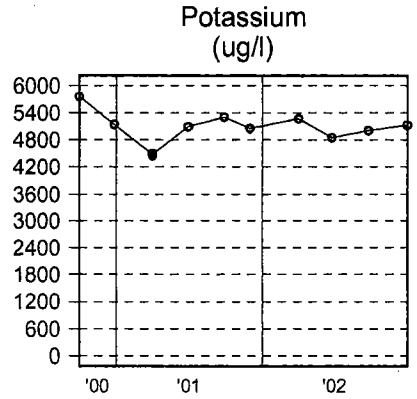

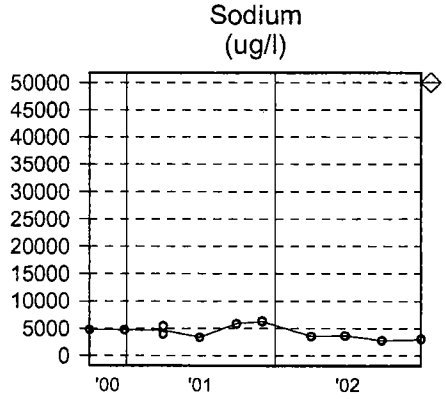

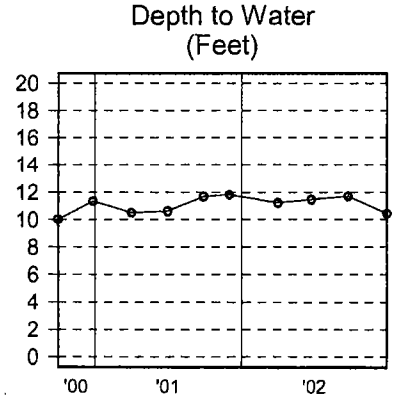

SOURCE: 00M2MW20

Sampling Dates:
09/29/2000 - 12/27/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 20 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Barium	Calcium	Depth to Water	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	1	4	200	300	50	10	2000	NLE	-	-
09/25/2000	FMETL	2.98	46.86	42.7	64700	644	2.28	593	92700	9.41	V,S,P,M
12/26/2000	FMETL	4.69	62.09	195	75400	664	10.7	685	101000	10.93	V,S,P,M
03/28/2001	FMETL	2.14	48.65	200	45300	466	10.0	421	84000	9.97	V,S,P,M
06/27/2001	FMETL	2.04	41.06	ND	50600	596	6.91	524	86700	10.01	V,S,P,M
09/26/2001	FMETL	3.11	42.08	140	63700	672	2.03	548	90800	11.46	V,S,P,M
12/20/2001	FMETL	2.12	30.10	ND	80000	792	6.75	580	104000	11.64	V,S,P,M
03/26/2002	FMETL	2.69	49.0	189	76200	562	6.76	544	90400	10.71	V,S,P,M
06/19/2002	FMETL	3.40	49.87	82.2	72700	532	5.49	538	89600	10.98	V,S,P,M
09/24/2002	FMETL	2.66	56.87	296	664	18.2	ND	77.2	8980	11.39	V,S,P,M
12/30/2002	FMETL	2.03	47.85	57.3	44700	437	2.95	410	93200	9.01	V,S,P,M

SOURCE: 00M2MW21

Sampling Dates:
09/25/2000 - 12/30/2002

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

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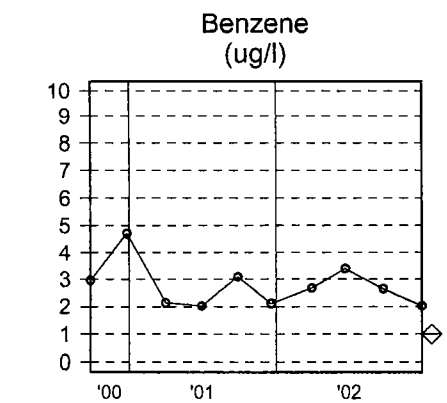
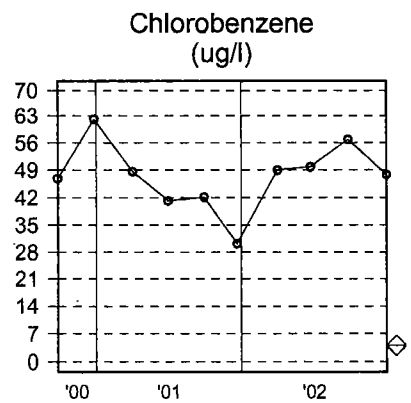
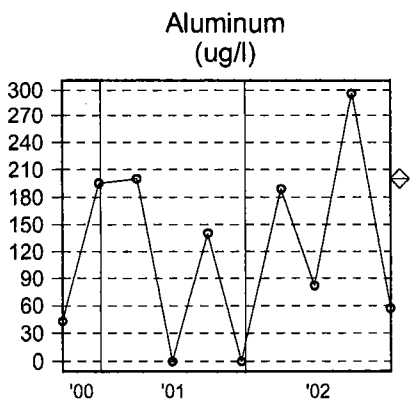
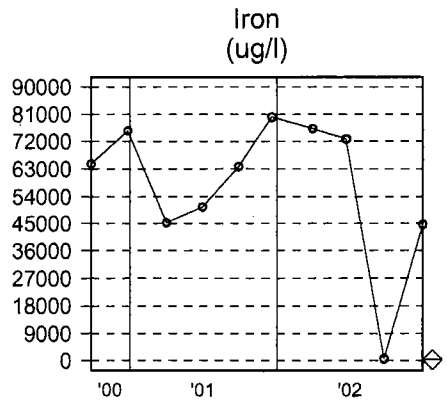
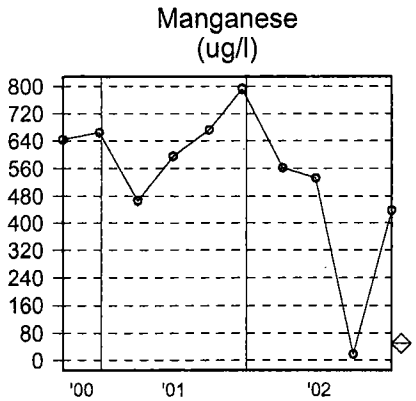
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

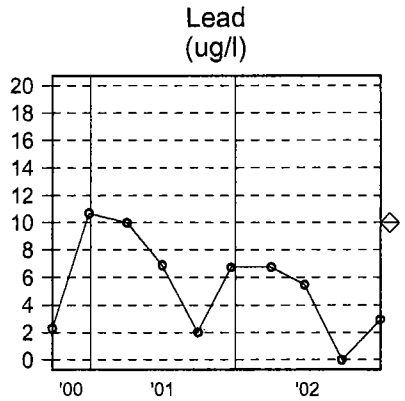


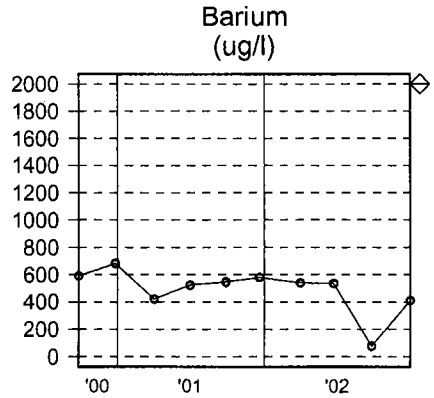


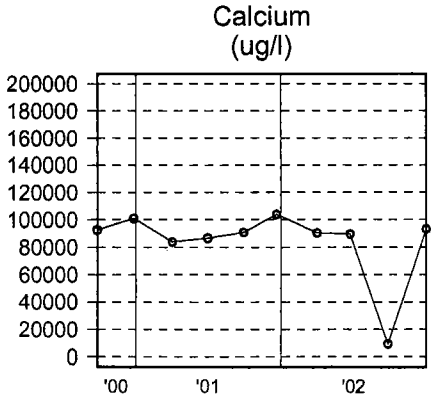


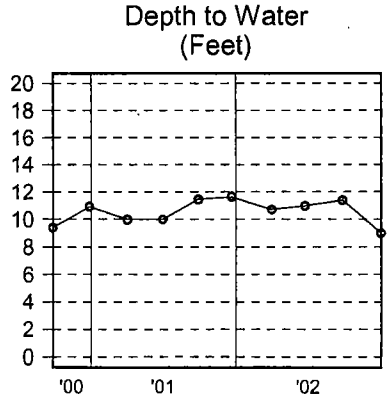












SOURCE: 00M2MW21

Sampling Dates:
09/25/2000 - 12/30/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 21 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	tert-Butyl alcohol	Aluminum	Iron	Manganese	Barium	Calcium	Magnesium	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:	-	NLE	200	300	50	2000	NLE	NLE	50000	-	-
09/25/2000	FMETL	389.61	40.3	33500	103	65.4	35500	5450	11600	7.61	V,S,P,M
09/25/2000D	FMETL	412.47	13.1	32900	106	67.4	36200	5560	11800	7.61	V,S,P,M
12/26/2000	FMETL	779.33	117	36800	193	88.7	38500	5560	12500	8.41	V,S,P,M
03/28/2001	FMETL	404.19	90.0	46300	102	195	35100	5330	10800	7.88	V,S,P,M
06/26/2001	FMETL	437.62	ND	42400	130	171	40900	6150	12100	7.82	V,S,P,M
09/26/2001	FMETL	804.15	54.7	46200	165	115	41000	6340	11900	8.66	V,S,P,M
12/20/2001	FMETL	784.06	ND	44700	180	89.1	44400	6720	13000	8.60	V,S,P,M
03/26/2002	FMETL	597.69	26.3	44800	103	157	38400	5760	11100	8.14	V,S,P,M
06/19/2002	FMETL	496.34	19.9	40700	104	144	39200	5890	11300	8.44	V,S,P,M
09/24/2002	FMETL	236.7	19.9	34900	115	94.9	40600	5960	10800	8.68	V,S,P,M
12/30/2002	FMETL	355.30	44.0	47300	96.8	214	38500	5670	10500	7.83	V,S,P,M

SOURCE: 00M2MW22

Sampling Dates:
09/25/2000 - 12/30/2002

NOTES:

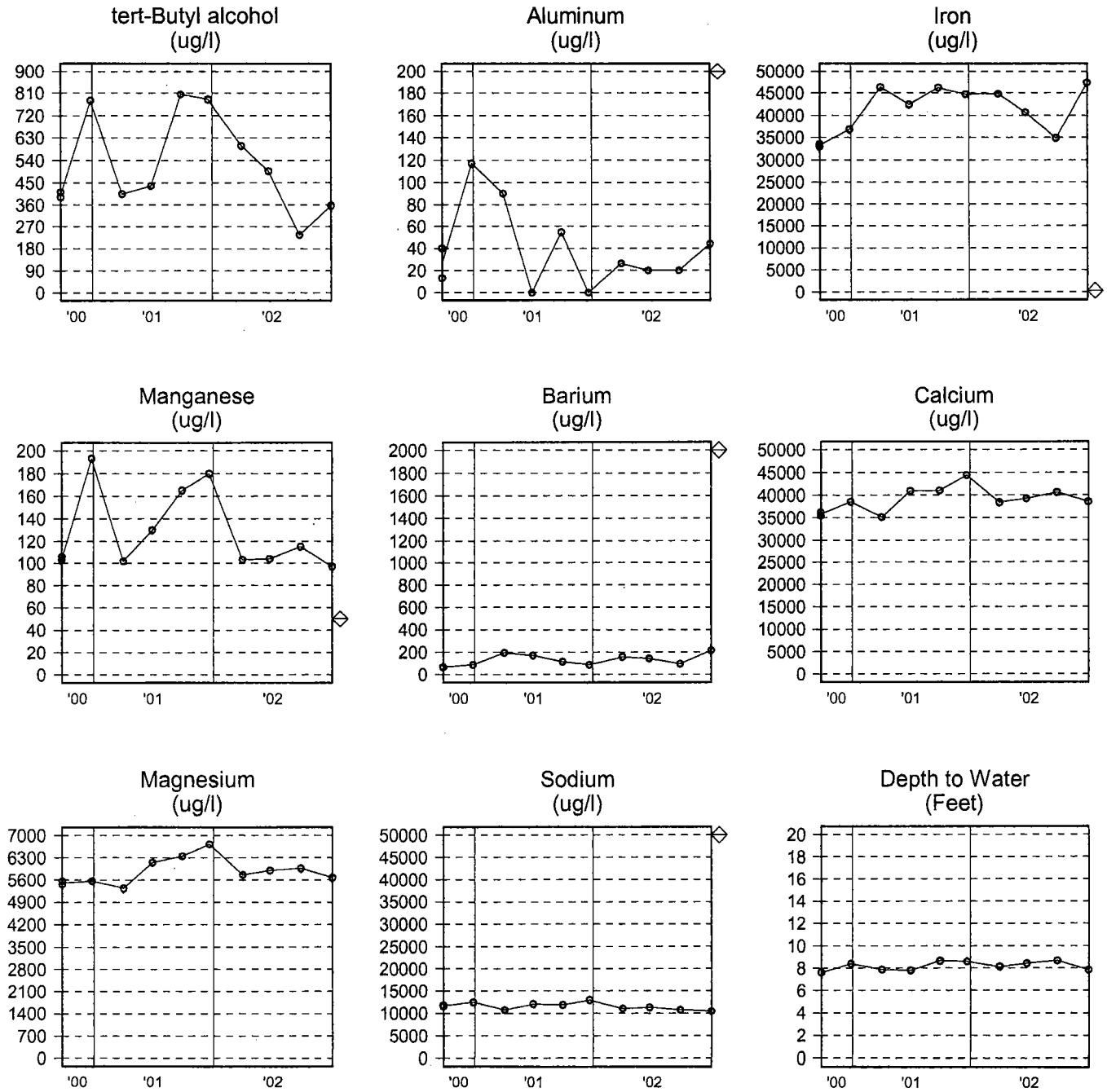
Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 22 of 24

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 00M2MW22

Sampling Dates:
09/25/2000 - 12/30/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 22 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Magnesium	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:	-	1	4	200	300	50	10	NLE	50000	-	-
09/27/2000	FMETL	ND	3.39	ND	5890	47.0	ND	4780	7640	9.21	V,S,P,M
12/20/2000	FMETL	3.49	28.42	ND	39300	174	ND	6500	11000	10.95	V,S,P,M
03/29/2001	FMETL	7.56	57.06	ND	110000	438	16.0	10900	17400	10.16	V,S,P,M
06/26/2001	FMETL	5.70	38.93	ND	81700	378	3.96	9020	17700	10.11	V,S,P,M
09/26/2001	FMETL	2.80	22.26	2600	36300	192	13.4	7270	19400	11.23	V,S,P,M
09/26/2001D	FMETL	2.78	22.81	1560	36900	192	4.74	6860	18600	11.23	V,S,P,M
12/20/2001	FMETL	5.27	43.84	ND	47300	192	3.16	192	24300	11.76	V,S,P,M
03/27/2002	FMETL	5.20	46.5	ND	64500	255	1.73	19100	18000	10.62	V,S,P,M
06/20/2002	FMETL	2.85	21.59	193	40400	164	1.58	23500	15500	11.11	V,S,P,M
09/25/2002	FMETL	6.38	68.93	ND	70800	302	3.64	33600	16000	11.32	V,S,P,M
12/27/2002	FMETL	2.22	22.03	ND	9440	104	ND	30300	18400	9.93	V,S,P,M

SOURCE: 00M2MW23

Sampling Dates:
09/27/2000 - 12/27/2002

NOTES:

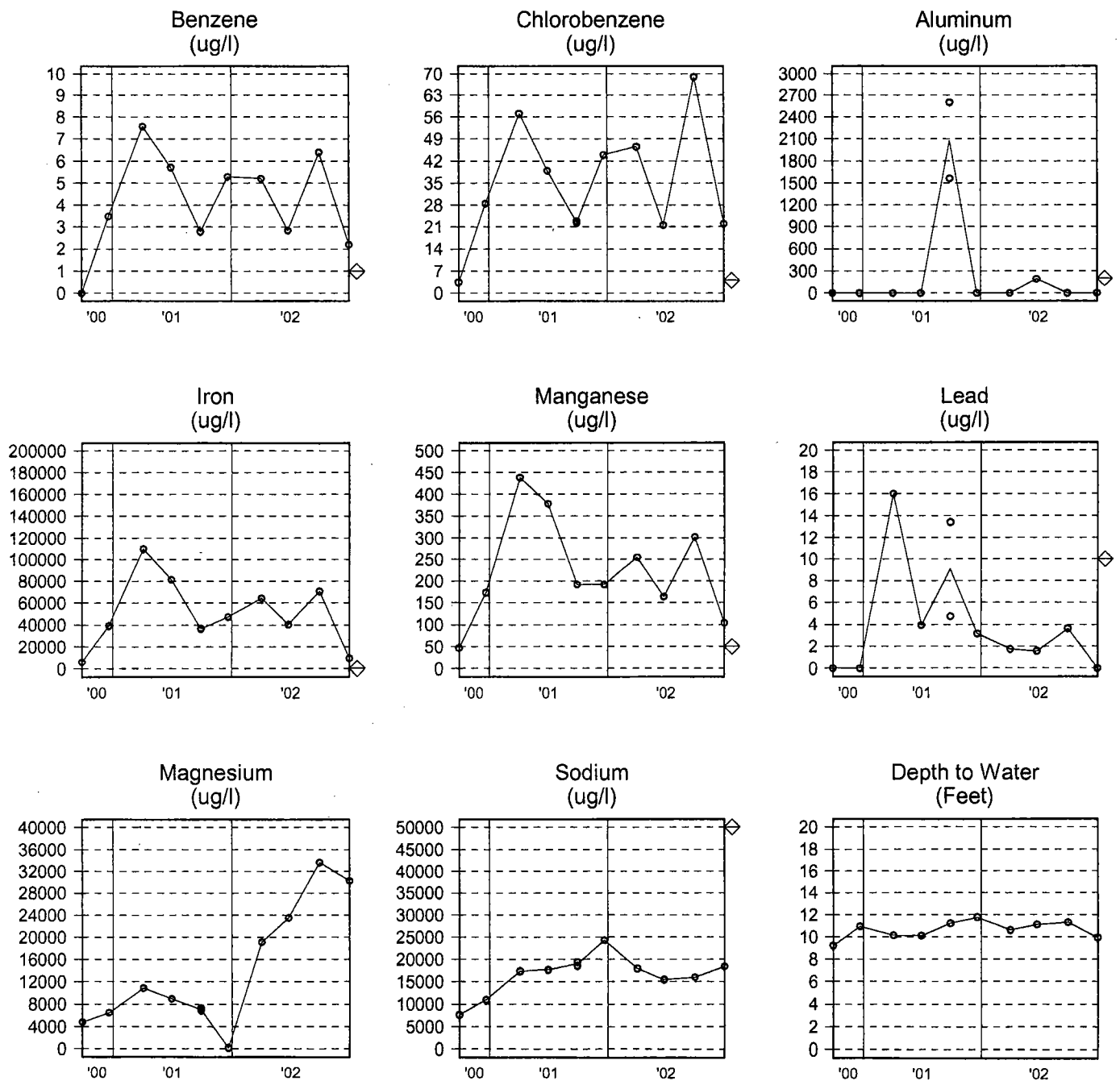
Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 23 of 24

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 00M2MW23

Sampling Dates:
09/27/2000 - 12/27/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 23 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Magnesium	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:	-	1	4	200	300	50	10	NLE	50000	-	-
09/26/2000	FMETL	3.28	9.92	32.4	63500	663	ND	5570	9440	5.55	V,S,P,M
12/20/2000	FMETL	3.86	10.65	94.8	72400	684	6.15	5660	10000	9.26	V,S,P,M
03/28/2001	FMETL	2.85	8.30	ND	60200	710	61.0	4790	5700	8.30	V,S,P,M
06/26/2001	FMETL	1.54	5.68	ND	51500	654	2.28	4450	8410	8.98	V,S,P,M
06/26/2001D	FMETL	1.41	5.16	ND	52700	657	1.32	4470	8590	8.98	V,S,P,M
09/27/2001	FMETL	1.93	6.38	16.1	62000	723	3.50	4870	8110	10.15	V,S,P,M
12/20/2001	FMETL	2.14	6.76	ND	85600	819	4.37	6010	9210	10.44	V,S,P,M
03/26/2002	FMETL	3.79	11.37	ND	85200	753	3.46	5880	9970	9.59	V,S,P,M
06/19/2002	FMETL	3.56	11.95	ND	78700	755	2.96	5920	8530	10.05	V,S,P,M
09/25/2002	FMETL	2.65	8.49	14.3	75500	820	2.48	5930	9100	10.08	V,S,P,M
12/30/2002	FMETL	2.22	8.66	ND	65100	823	3.12	6190	11100	8.30	V,S,P,M

SOURCE: 00M2MW24

Sampling Dates:
09/26/2000 - 12/30/2002

NOTES:

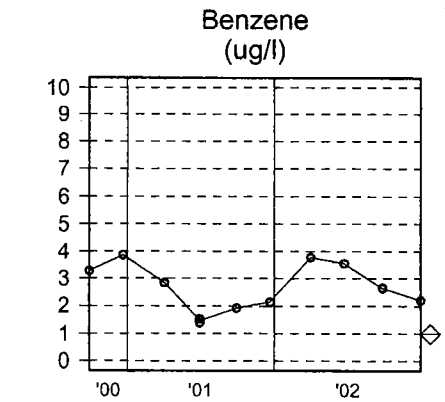
Silver in blank > GW Criteria for May 97.

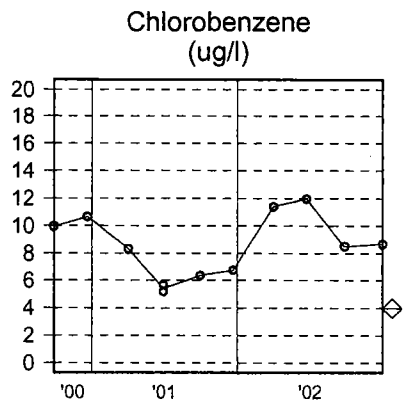
FORT MONMOUTH

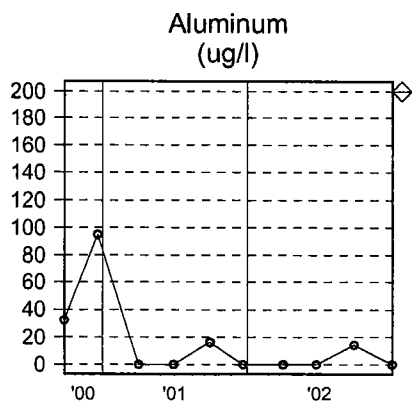
GW MONITORING
Bldg M-2

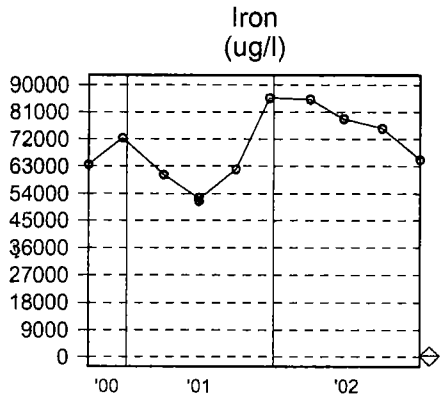
Source 24 of 24

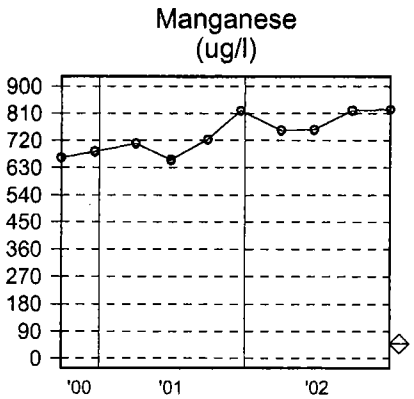
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

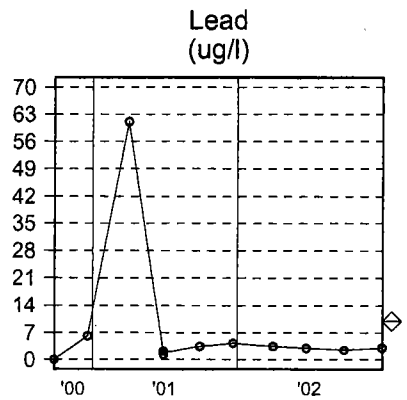


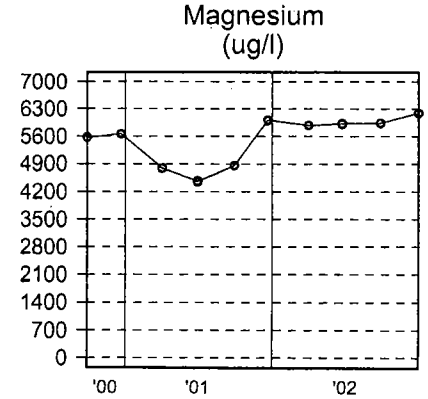


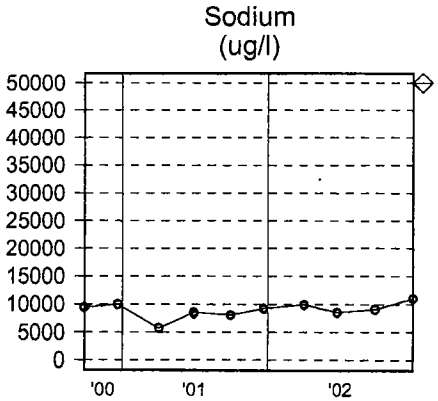


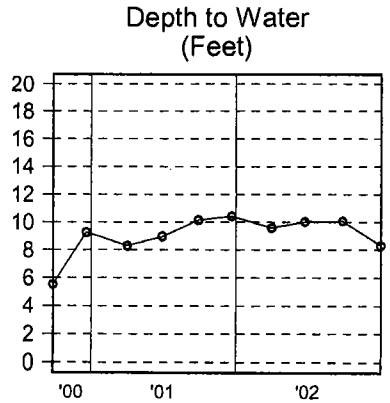












SOURCE: 00M2MW24

Sampling Dates:
09/26/2000 - 12/30/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 24 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-26-2003 X:\MtechData\M-2\M2.WSF

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732)532-6224 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-2

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
3013701	00M2MW01	29-32584	03/26/03
3013505	00M2MW02	29-32585	03/25/03
3013708	00M2MW03	29-32586	03/26/03
3013516	00M2MW04	29-37988	03/25/03
3013504	00M2MW05	29-39185	03/25/03
3012801	00M2MW06	29-39184	03/20/03
3013510	00M2MW07	29-39183	03/25/03
3013515	00M2MW08	29-39182	03/25/03
3012802	00M2MW09	29-39181	03/20/03
3013518	00M2MW10	29-39180	03/25/03
3013710	00M2MW11	29-42769	03/26/03
3013707	00M2MW12	29-42770	03/26/03
3013706	00M2MW13	29-42771	03/26/03
3013705	00M2MW14	29-42562	03/26/03
3013517	00M2MW15	29-42773	03/25/03
3013514	00M2MW16	29-42774	03/25/03
3013508	00M2MW17	29-42775	03/25/03
3013507	00M2MW18	29-42776	03/25/03
3013513	00M2MW19	29-42777	03/25/03
3013509	00M2MW20	29-42778	03/25/03
3013511	00M2MW21	29-42779	03/25/03
3013506	00M2MW22	29-42780	03/25/03
3013709	00M2MW23	29-42781	03/26/03
3013512	00M2MW24	29-42772	03/25/03

NJDEP Laboratory Certification #13461

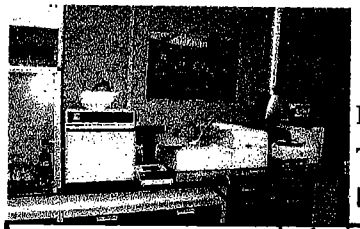
6-4-03

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@mail1.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: X2 6223
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: M2 Wells Low Flow
1st Qrt. '03 PhI

Samplers Name / Company: Corey McCormack, TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VO+15	TAL Mtls	Pest / PCB	BNA+25				Flow Rate	Remarks / Preservation Method
30128 01	M2mw06	3/20/03	1321	AQ	5	✓	✓	✓	✓				0.0	29-39184
02	M2mw09		1152			✓	✓	✓	✓				0.0	29-39181

Comments: HCL/HNO3/4°C

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	3/20/03 1400	[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, (_)EDD
Turnaround time: (X)Standard 3 wks, (_)Rush ____ Days, (_)ASAP Verbal ____Hrs.

Remarks: Shows T/FB/D from M8 lowflow same date. CPM
Tide: H

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Page 1 of 1

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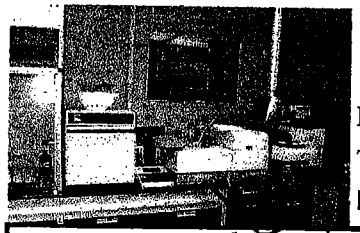

Fort Monmouth Environmental Testing Laboratory

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Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. FALLON
Phone #: X216223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: M2 Wells
1st Qtr '03

Samplers Name / Company: Corey McCormack, TVS

Comments: HCL/HNO3/L4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOC+15	TAL MHIS	Pest/PCB	BNA+25				Hnu Read	Remarks / Preservation Method
30135 01	Trip	3/25/03	0735	AQ	2	✓							—	
02	Field Blank		0755		5	✓	✓	✓	✓				—	
03	Dupe		—		5	✓	✓	✓	✓				—	
04	M2 mw 05		0930		5	✓	✓	✓	✓				0.0	29-39185
05	M2 mw 02		1238			✓	✓	✓	✓				0.0	29-32582
06	M2 mw 22		1049			✓	✓	✓	✓				0.0	29-42780
07	M2 mw 18		1030			✓	✓	✓	✓				0.0	29-42776
08	M2 mw 17		1034			✓	✓	✓	✓				0.0	29-42775
09	M2 mw 20		0950			✓	✓	✓	✓				0.0	29-42778
10	M2 mw 07		0918			✓	✓	✓	✓				0.0	29-39183
11	M2 mw 21		1309			✓	✓	✓	✓				3.2	29-42779
12	M2 mw 24		1055			✓	✓	✓	✓				10.0	29-42772
13	M2 mw 19		1232			✓	✓	✓	✓				0.0	29-42777
14	M2 mw 16		1042			✓	✓	✓	✓				0.0	29-42774

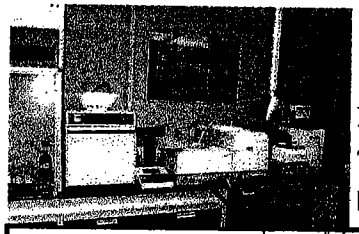
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	3/26/03 730	J. Wright			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:
Tide: L → H

print legibly

COC.XLS3/4/2003



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
Phone #: X26223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: M2 wells
1st Qtr '03

Samplers Name / Company: Corey McLomach, TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VO +15	TAL mtls	Pest / PCB	BNA +25				Hexavalent	Remarks / Preservation Method
30135 15	M2 mw 08	3/25/03	0921	AQ	5	✓	✓	✓	✓				0.0	29- 39192
16	M2 mw 04		1105			✓	✓	✓	✓				0.0	29- 37988
17	M2 mw 15 *		1518			✓	✓	✓	✓				0.0	29- 42773
18	M2 mw 10		1408			✓	✓	✓	✓				0.0	29- 39180

Comments: HCL/HNO3/C4°C

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McLomach	3/25/03 730	J. Wright			
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: L→H

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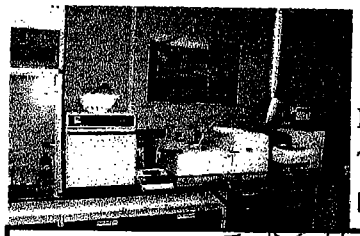

Fort Monmouth Environmental Testing Laboratory

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Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: 2226223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: M2 wells
1st Qtr '03 Pt II

Samplers Name / Company: Corey McCormack, TVS

Comments: HCL/HNO_3 /<4°c

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VO+15	TAL M+15	Pest/PCB	BNA+25				Hex Chrom	Remarks / Preservation Method
30137 01	Trip	3/26/03	0735	AQ	2	✓							—	
02	Field Blank		0805		5	✓	✓	✓	✓				—	
03	Dupe		—		5	✓	✓	✓	✓				—	
04	M2 MW 01 *		1100		5	✓	✓	✓	✓				0.0	29 – 32584
05	M2 MW 14		1044		9	✓	✓	✓	✓				0.0	29 – 42562
06	M2 MW 13		1025		5	✓	✓	✓	✓				0.0	29 - 42771
07	M2 MW 12		1022			✓	✓	✓	✓				0.0	29 – 42770
08	M2 MW 03		0958			✓	✓	✓	✓				0.0	29 - 32586
09	M2 MW 23		1034			✓	✓	✓	✓				0.0	29 – 42781
10	M2 MW 11		0919			✓	✓	✓	✓				0.0	29 - 42769

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	3/26/03 1305	J. Wright			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Tide: H

print legibly

COC.XLS3/4/2003

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW01
NJDEP ID #: 29-32584
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/26/03
WEATHER: Sunny and warm.
TIDE: High.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 4.56 ft
DEPTH OF WELL: 24.22 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 19.66 ft
(19.66) X .65 X 3 =38.33
GALLONS OF H_2O TO BE PURGED: 38 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:15
pH 7.13 su — TEMP 11.43 °C
DISSOLVED O_2 4.91 mg/L — SPECIFIC CONDUCTIVITY 291.4 ms/cm

PURGE END TIME: 10:59
pH 7.09 su — TEMP 11.53 °C
DISSOLVED O_2 2.60 mg/L — SPECIFIC CONDUCTIVITY 299.8 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.84 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 38 gal

SAMPLE START TIME: 11:00
pH 7.10 su — TEMP 11.51 °C
DISSOLVED O_2 2.57 mg/L — SPECIFIC CONDUCTIVITY 300.0 ms/cm

SAMPLE END TIME: 11:05

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW02
NJDEP ID #: 29-32585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/25/03
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: 9.20 ft
DEPTH OF WELL: 19.24 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.54 ft
(9.54) X .65 X 3 =18.60
GALLONS OF H_2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:15
pH 6.91 su — TEMP 11.57 °C
DISSOLVED O_2 3.75 mg/L — SPECIFIC CONDUCTIVITY 721.3 ms/cm

PURGE END TIME: 12:37
pH 6.67 su — TEMP 11.39 °C
DISSOLVED O_2 2.03 mg/L — SPECIFIC CONDUCTIVITY 630.4 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.48 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 12:38
pH 6.68 su — TEMP 11.40 °C
DISSOLVED O_2 2.04 mg/L — SPECIFIC CONDUCTIVITY 630.5 ms/cm

SAMPLE END TIME: 12:43

COMMENTS: Slightly cloudy end of bail.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW03
NJDEP ID #: 29-32586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/26/03
WEATHER: Sunny and warm.
TIDE: High.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.09 ft
DEPTH OF WELL: 16.92 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.83 ft
(9.83) X .65 X 3 =19.16
GALLONS OF H_2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:35
pH 6.94 su
DISSOLVED O_2 3.79 mg/L
TEMP 11.61 °C
SPECIFIC CONDUCTIVITY 721.3 ms/cm

PURGE END TIME: 09:57
pH 6.90 su
DISSOLVED O_2 2.30 mg/L
TEMP 11.53 °C
SPECIFIC CONDUCTIVITY 727.4 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.00 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 09:58
pH 6.90 su
DISSOLVED O_2 2.27 mg/L
TEMP 11.52 °C
SPECIFIC CONDUCTIVITY 727.3 ms/cm

SAMPLE END TIME: 10:04

COMMENTS: Slightly cloudy, brown/black particles.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW04
NJDEP ID #: 29-37988
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/25/03
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: 8.47 ft
DEPTH OF WELL: 21.05 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.58 ft
(12.58) X .65 X 3 =24.53
GALLONS OF H_2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:35
pH 7.04 su — TEMP 11.64 °C
DISSOLVED O_2 3.17 mg/L — SPECIFIC CONDUCTIVITY 691.7 ms/cm

PURGE END TIME: 10:23
pH 6.91 su — TEMP 11.38 °C
DISSOLVED O_2 2.07 mg/L — SPECIFIC CONDUCTIVITY 684.3 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.64 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 11:05
pH 6.92 su — TEMP 11.41 °C
DISSOLVED O_2 2.05 mg/L — SPECIFIC CONDUCTIVITY 684.3 ms/cm

SAMPLE END TIME: 11:11

COMMENTS: Particles.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW05
NJDEP ID #: 29-39185
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/25/03
WEATHER: Sunny and warm.
TIDE: Low.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 6.10 ft
DEPTH OF WELL: 13.85 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.75 ft
(7.75) X .163 X 3 =3.78
GALLONS OF H_2O TO BE PURGED: 4 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:00
pH 6.70 su — TEMP 10.76 °C
DISSOLVED O_2 2.17 mg/L — SPECIFIC CONDUCTIVITY 301.1 ms/cm

PURGE END TIME: 09:17
pH 6.80 su — TEMP 10.53 °C
DISSOLVED O_2 1.11 mg/L — SPECIFIC CONDUCTIVITY 479.1 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.20 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 4 gal

SAMPLE START TIME: 09:30
pH 6.79 su — TEMP 10.54 °C
DISSOLVED O_2 1.07 mg/L — SPECIFIC CONDUCTIVITY 478.8 ms/cm

SAMPLE END TIME: 09:35

COMMENTS: Very cloudy, orange.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 0M2MW06
NJDEP ID #: 29-39184
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/20/03
WEATHER: overcast, rain, cold.
TIDE: H
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 5.27 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:20.0 μ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp. : N/A
Turb. : DI H_2O for 0.0 NTU/1.0, 10.0, 100.0, YSI Cal Sol

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2 INCH
DEPTH TO WATER: 6.38 ft
Before Purge Start: 6.38 ft Previous Day: N/A ft After Sampling: 6.47 ft
DEPTH OF WELL: 18.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE: 16 FT TUBING: Food Grade ¼" Polyethylene
HEIGHT OF WATER: 12.12 ft
(12.12) X .163 X 3 = 5.92 (.163 for 2")
GALLONS OF H2O TO BE PURGED: 6 Gal
PURGE METHOD: (FLOW at >100 TO <500 gpm): 2" REDIFLO 2 GRUNDPHOS SUBMERSIBLE PUMP
Purged at 200 mL/Min start Gal/Min. (ml to gal.:ml(.0002642)=gal)
PURGE RATE: 0.05284 gpm
Hnu READING: 0.0 ppm (Well)
Hnu READING: 0.0 ppm (Well Cap)

PURGE START TIME: 1211
pH 6.73 su ORP N/A mv TEMP. 11.65 °C Turb. 98.2 NTU
DISSOLVED O_2 3.76 mg/L Sp. CONDUCTIVITY ms/cm

PURGE END TIME: 1320
pH 6.70 su ORP N/A mv TEMP. 11.54 °C Turb. 8.5 NTU
DISSOLVED O_2 1.65 mg/L Sp. CONDUCTIVITY ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 6.47 ft
(SAMPLING METHOD: (Through pump and tubing. Flow cell disconnected)

SAMPLE START TIME: 1321
pH 6.70 su ORP N/A mv TEMP. 11.54 °C Turb. 8.2 NTU
DISSOLVED O_2 1.65 mg/L Sp. CONDUCTIVITY ms/cm
SAMPLE END TIME: 1326
ANALYTES : VOA+15, TAL Mtls, Pest/PCB, BNA+25
COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW07
NJDEP ID #: 29-39183
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/25/03
WEATHER: Sunny and warm.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 6.77 ft
DEPTH OF WELL: 16.71 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.94 ft
(9.94) X .163 X 3 =4.86
GALLONS OF H_2O TO BE PURGED: 5 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:55
pH 7.03 su
DISSOLVED O_2 3.20 mg/L
TEMP 11.92 °C
SPECIFIC CONDUCTIVITY 531.7 us/cm

PURGE END TIME: 09:17
pH 6.87 su
DISSOLVED O_2 2.00 mg/L
TEMP 11.68 °C
SPECIFIC CONDUCTIVITY 621.8 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.94 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 5 gal

SAMPLE START TIME: 09:18
pH 6.88 su
DISSOLVED O_2 1.97 mg/L
TEMP 11.68 °C
SPECIFIC CONDUCTIVITY 621.9 us/cm

SAMPLE END TIME: 09:20

COMMENTS: Turned very cloudy, orange while bailing.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW08
NJDEP ID #: 29-39182
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/25/03
WEATHER: Sunny and warm.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 5.43 ft
DEPTH OF WELL: 20.88 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 14.45 ft
(14.45) X .163 X 3 =7.06
GALLONS OF H_2O TO BE PURGED: 7 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:50
pH 7.11 su
DISSOLVED O_2 2.71 mg/L
TEMP 11.21 °C
SPECIFIC CONDUCTIVITY 379.4 ms/cm

PURGE END TIME: 09:20
pH 7.03 su
DISSOLVED O_2 1.30 mg/L
TEMP 11.63 °C
SPECIFIC CONDUCTIVITY 351.4 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.76 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 7 gal

SAMPLE START TIME: 09:21
pH 7.04 su
DISSOLVED O_2 1.38 mg/L
TEMP 11.64 °C
SPECIFIC CONDUCTIVITY 350.9 ms/cm

SAMPLE END TIME: 09:27

COMMENTS: Very cloudy , orange while bailing.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW09
NJDEP ID #: 29-39181
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/20/03
WEATHER: Overcast, cold
TIDE: H
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 5.20 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp. Cond/Cond: 20.0 μ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp. : N/A
Turb: DI H_2O for 0.0 NTU/1.0, 10.0, 100.0, YSI Cal Sol

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2 INCH
DEPTH TO WATER: 6.27 ft
Before Purge Start: 6.27 ft Previous Day: N/A ft After Sampling: 17.93 ft
DEPTH OF WELL: 21.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE: 18.00 FT TUBING: Food Grade ¼" Polyethylene
HEIGHT OF WATER: 10.74 ft
(10.74) X .163 X 3 = 5.25 (.163 for 2")
GALLONS OF H2O TO BE PURGED: 5 Gal
PURGE METHOD: (FLOW at >100 TO <500 gpm): 2" REDIFLO 2 GRUNDPHOS SUBMERSIBLE PUMP
Purged at 420 mL/Min to Gal/Min. (ml to gal.: ml(.0002642)=gal)
PURGE RATE: 0.110 gpm
Hnu READING: 0.0 ppm (Well)
Hnu READING: 0.0 ppm (Well Cap)

PURGE START TIME: 1030
pH 6.87 su ORP N/A mv TEMP 11.86 °C Turb 110.5 NTU
DISSOLVED O_2 3.22 mg/L Sp. CONDUCTIVITY 51.23 ms/cm

PURGE END TIME: 1151
pH 6.73 su ORP N/A mv TEMP 11.75 °C Turb 3.6 NTU
DISSOLVED O_2 1.90 mg/L Sp. CONDUCTIVITY 33.17 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 17.93 ft
(SAMPLING METHOD: (Through pump and tubing. Flow cell disconnected)

SAMPLE START TIME: 1152
pH 6.74 su ORP N/A mv TEMP 11.74 °C Turb 3.7 NTU
DISSOLVED O_2 1.91 mg/L Sp. CONDUCTIVITY 33.12 ms/cm
SAMPLE END TIME: 1155
ANALYTES : VOA+15, ABN+25, Pest/PCB's, TAL Metals
COMMENTS: Very Large Draw Down.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW10
NJDEP ID #: 29-39180
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/25/03
WEATHER: Sunny and warm.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 7.45 ft
DEPTH OF WELL: 22.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 14.86 ft
(14.86) X .163 X 3 =7.26
GALLONS OF H_2O TO BE PURGED: 7 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:37
pH 7.28 su
DISSOLVED O_2 3.28 mg/L
TEMP 11.53 °C
SPECIFIC CONDUCTIVITY 521.4 ms/cm

PURGE END TIME: 14:07
pH 7.31 su
DISSOLVED O_2 2.50 mg/L
TEMP 11.39 °C
SPECIFIC CONDUCTIVITY 476.4 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.72 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 7 gal

SAMPLE START TIME: 14:08
pH 7.30 su
DISSOLVED O_2 2.47 mg/L
TEMP 11.38 °C
SPECIFIC CONDUCTIVITY 476.5 ms/cm

SAMPLE END TIME: 14:13

COMMENTS: Cloudy brown while bailing.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW11
NJDEP ID #: 29-42769
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/26/03
WEATHER: Sunny and warm.
TIDE: High.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.77 ft
DEPTH OF WELL: 51.95 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 43.18 ft
(43.18) X .65 X 3 =84.20
GALLONS OF H2O TO BE PURGED: 84 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.75 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:30
pH 7.76 su
DISSOLVED O_2 2.71 mg/L
TEMP 11.59 °C
SPECIFIC CONDUCTIVITY 16.11 ms/cm

PURGE END TIME: 09:18
pH 7.73 su
DISSOLVED O_2 1.76 mg/L
TEMP 11.46 °C
SPECIFIC CONDUCTIVITY 17.53 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.97 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 84 gal

SAMPLE START TIME: 09:19
pH 7.74 su
DISSOLVED O_2 1.74 mg/L
TEMP 11.45 °C
SPECIFIC CONDUCTIVITY 17.54 ms/cm

SAMPLE END TIME: 09:25

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW12
NJDEP ID #: 29-42770
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/26/03
WEATHER: Sunny and warm.
TIDE: High.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.48 ft
DEPTH OF WELL: 51.98 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 43.50 ft
(43.50) X .65 X 3 =84.82
GALLONS OF H2O TO BE PURGED: 85 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.72 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:32
pH 7.79 su
DISSOLVED O_2 2.34 mg/L
TEMP 11.50 °C
SPECIFIC CONDUCTIVITY 21.76 ms/cm

PURGE END TIME: 10:21
pH 7.81 su
DISSOLVED O_2 1.50 mg/L
TEMP 11.37 °C
SPECIFIC CONDUCTIVITY 22.80 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.02 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 85 gal

SAMPLE START TIME: 10:22
pH 7.80 su
DISSOLVED O_2 1.50 mg/L
TEMP 11.38 °C
SPECIFIC CONDUCTIVITY 22.81 ms/cm

SAMPLE END TIME: 10:24

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW13
NJDEP ID #: 29-42771
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/26/03
WEATHER: Sunny and warm.
TIDE: High.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.77 ft
DEPTH OF WELL: 22.25 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.48 ft
(12.48) X .65 X 3 =24.33
GALLONS OF H_2O TO BE PURGED: 24 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:40
pH 6.84 su
DISSOLVED O_2 3.71 mg/L
TEMP 11.76 °C
SPECIFIC CONDUCTIVITY 251.7 ms/cm

PURGE END TIME: 10:24
pH 6.79 su
DISSOLVED O_2 2.11 mg/L
TEMP 11.53 °C
SPECIFIC CONDUCTIVITY 263.9 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.93 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 24 gal

SAMPLE START TIME: 10:25
pH 6.80 su
DISSOLVED O_2 2.11 mg/L
TEMP 11.53 °C
SPECIFIC CONDUCTIVITY 264.0 ms/cm

SAMPLE END TIME: 10:30

COMMENTS: Cloudy, yellow.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW14
NJDEP ID #: 29-42562
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/26/03
WEATHER: Sunny and warm.
TIDE: High.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.92 ft
DEPTH OF WELL: 23.05 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.13 ft
(13.13) X .65 X 3 =25.60
GALLONS OF H_2O TO BE PURGED: 26 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:50
pH 6.66 su
DISSOLVED O_2 3.58 mg/L
TEMP 11.76 °C
SPECIFIC CONDUCTIVITY 376.7 ms/cm

PURGE END TIME: 10:43
pH 6.60 su
DISSOLVED O_2 2.46 mg/L
TEMP 11.27 °C
SPECIFIC CONDUCTIVITY 324.1 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.83 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 26 gal

SAMPLE START TIME: 10:44
pH 6.61 su
DISSOLVED O_2 2.43 mg/L
TEMP 11.38 °C
SPECIFIC CONDUCTIVITY 323.5 ms/cm

SAMPLE END TIME: 10:51

COMMENTS: MS/MSD here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW15
NJDEP ID #: 29-42773
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/25/03
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: 9.54 ft
DEPTH OF WELL: 22.13 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.59 ft
(12.59) X .65 X 3 =24.55
GALLONS OF H_2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:30
pH 6.95 su — TEMP 11.73 °C
DISSOLVED O_2 3.76 mg/L — SPECIFIC CONDUCTIVITY 211.4 ms/cm

PURGE END TIME: 15:18
pH 6.63 su — TEMP 11.51 °C
DISSOLVED O_2 2.31 mg/L — SPECIFIC CONDUCTIVITY 210.5 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.03 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 15:19
pH 6.60 su — TEMP 11.50 °C
DISSOLVED O_2 2.30 mg/L — SPECIFIC CONDUCTIVITY 209.8 ms/cm

SAMPLE END TIME: 15:25

COMMENTS: DUP. here. Orange particles not cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW16
NJDEP ID #: 29-42774
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/25/03
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: 6.65 ft
DEPTH OF WELL: 22.08 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 15.43 ft
(15.43) X .65 X 3 =30.08
GALLONS OF H_2O TO BE PURGED: 30 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:20
pH 6.73 su
TEMP 11.42 °C
DISSOLVED O_2 4.31 mg/L
SPECIFIC CONDUCTIVITY 274.5 ms/cm

PURGE END TIME: 10:30
pH 6.70 su
TEMP 11.40 °C
DISSOLVED O_2 2.76 mg/L
SPECIFIC CONDUCTIVITY 281.4 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.94 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 30 gal

SAMPLE START TIME: 10:42
pH 6.70 su
TEMP 11.40 °C
DISSOLVED O_2 2.74 mg/L
SPECIFIC CONDUCTIVITY 282.3 ms/cm

SAMPLE END TIME: 10:47

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW17
NJDEP ID #: 29-42775
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/25/03
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: 6.37 ft
DEPTH OF WELL: 23.14 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 16.77 ft
(16.77) X .65 X 3 =32.70
GALLONS OF H_2O TO BE PURGED: 33 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:10
pH 6.47 su — TEMP 11.86 °C
DISSOLVED O_2 4.30 mg/L — SPECIFIC CONDUCTIVITY 277.3 ms/cm

PURGE END TIME: 10:33
pH 6.30 su — TEMP 11.43 °C
DISSOLVED O_2 2.17 mg/L — SPECIFIC CONDUCTIVITY 289.4 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.55 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 33 gal

SAMPLE START TIME: 10:34
pH 6.31 su — TEMP 11.44 °C
DISSOLVED O_2 2.17 mg/L — SPECIFIC CONDUCTIVITY 290.0 ms/cm

SAMPLE END TIME: 10:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW18
NJDEP ID #: 29-42776
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/25/03
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: 6.16 ft
DEPTH OF WELL: 22.25 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 16.09 ft
(16.09) X .65 X 3 =31.37
GALLONS OF H_2O TO BE PURGED: 31 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:15
pH 7.11 su
DISSOLVED O_2 3.91 mg/L
TEMP 11.74 °C
SPECIFIC CONDUCTIVITY 311.4 ms/cm

PURGE END TIME: 10:29
pH 6.99 su
DISSOLVED O_2 2.21 mg/L
TEMP 11.44 °C
SPECIFIC CONDUCTIVITY 287.6 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.27 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 31 gal

SAMPLE START TIME: 10:30
pH 7.00 su
DISSOLVED O_2 2.20 mg/L
TEMP 11.45 °C
SPECIFIC CONDUCTIVITY 288.1 ms/cm

SAMPLE END TIME: 10:33

COMMENTS: Cloudy, orange.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW19
NJDEP ID #: 29-42777
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/25/03
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: 7.93 ft
DEPTH OF WELL: 52.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 44.98 ft
(44.98) X .65 X 3 =87.71
GALLONS OF H2O TO BE PURGED: 88 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.42 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:30
pH 7.81 su — TEMP 11.67 °C
DISSOLVED O_2 2.41 mg/L — SPECIFIC CONDUCTIVITY 27.81 ms/cm

PURGE END TIME: 12:31
pH 7.60 su — TEMP 11.49 °C
DISSOLVED O_2 .1.79 mg/L — SPECIFIC CONDUCTIVITY 24.30 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.76 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 88 gal

SAMPLE START TIME: 12:32
pH 7.58 su — TEMP 11.48 °C
DISSOLVED O_2 1.77 mg/L — SPECIFIC CONDUCTIVITY 24.27 ms/cm

SAMPLE END TIME: 12:36

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW20
NJDEP ID #: 29-42778
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/26/03
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: 10.63 ft
DEPTH OF WELL: 53.30 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 42.67 ft
(42.67) X .65 X 3 =83.20
GALLONS OF H2O TO BE PURGED: 83 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:45
pH 7.94 su
DISSOLVED O_2 1.76 mg/L
TEMP 11.54 °C
SPECIFIC CONDUCTIVITY 13.91 ms/cm

PURGE END TIME: 09:49
pH 7.88 su
DISSOLVED O_2 0.77 mg/L
TEMP 11.37 °C
SPECIFIC CONDUCTIVITY 17.80 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 12.97 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 83 gal

SAMPLE START TIME: 09:50
pH 7.84 su
DISSOLVED O_2 0.79 mg/L
TEMP 11.38 °C
SPECIFIC CONDUCTIVITY 17.84 ms/cm

SAMPLE END TIME: 09:55

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW21
NJDEP ID #: 29-42779
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/25/03
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: 9.67 ft
DEPTH OF WELL: 22.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.64 ft
(12.64) X .65 X 3 =24.64
GALLONS OF H_2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:20
pH 6.73 su
TEMP 11.63 °C
DISSOLVED O_2 4.56 mg/L
SPECIFIC CONDUCTIVITY 831.5 ms/cm

PURGE END TIME: 13:08
pH 6.66 su
TEMP 11.41 °C
DISSOLVED O_2 3.00 mg/L
SPECIFIC CONDUCTIVITY 767.4 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.74 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 13:09
pH 6.67 su
TEMP 11.42 °C
DISSOLVED O_2 2.98 mg/L
SPECIFIC CONDUCTIVITY 768.1 ms/cm

SAMPLE END TIME: 13:14

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW22
NJDEP ID #: 29-42780
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/25/03
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: 7.95 ft
DEPTH OF WELL: 22.47 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 14.52 ft
(14.52) X .65 X 3 =28.31
GALLONS OF H_2O TO BE PURGED: 28 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:25
pH 6.91 su — TEMP 11.77 °C
DISSOLVED O_2 3.07 mg/L — SPECIFIC CONDUCTIVITY 376.4 ms/cm

PURGE END TIME: 10:26
pH 6.81 su — TEMP 11.60 °C
DISSOLVED O_2 2.01 mg/L — SPECIFIC CONDUCTIVITY 391.1 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.83 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 28 gal

SAMPLE START TIME: 10:49
pH 6.81 su — TEMP 11.59 °C
DISSOLVED O_2 2.01 mg/L — SPECIFIC CONDUCTIVITY 392.7 ms/cm

SAMPLE END TIME: 10:53

COMMENTS Cloudy, orange.:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW23
NJDEP ID #: 29-42781
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/26/03
WEATHER: Sunny and warm.
TIDE: High.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.98 ft
DEPTH OF WELL: 22.92 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.94 ft
(12.94) X .65 X 3 =25.23
GALLONS OF H_2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:45
pH 6.73 su
DISSOLVED O_2 3.12 mg/L
TEMP 11.76 °C
SPECIFIC CONDUCTIVITY 1280 ms/cm

PURGE END TIME: 10:33
pH 6.68 su
DISSOLVED O_2 2.00 mg/L
TEMP 11.53 °C
SPECIFIC CONDUCTIVITY 1291 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.37 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 10:34
pH 6.67 su
DISSOLVED O_2 1.98 mg/L
TEMP 11.54 °C
SPECIFIC CONDUCTIVITY 1291 ms/cm

SAMPLE END TIME: 10:39

COMMENTS: Cloudy orange.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW24
NJDEP ID #: 29-42772
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/26/03
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: 8.33 ft
DEPTH OF WELL: 22.04 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.71 ft
(13.71) X .65 X 3 =26.73
GALLONS OF H_2O TO BE PURGED: 27 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 10.0 ppm

PURGE START TIME: 08:30
pH 6.80 su
DISSOLVED O_2 3.76 mg/L
TEMP 11.50 °C
SPECIFIC CONDUCTIVITY 531.4 ms/cm

PURGE END TIME: 10:27
pH 6.77 su
DISSOLVED O_2 2.17 mg/L
TEMP 11.46 °C
SPECIFIC CONDUCTIVITY 481.1 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.35 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 27 gal

SAMPLE START TIME: 10:55
pH 6.77 su
DISSOLVED O_2 2.18 mg/L
TEMP 11.45 °C
SPECIFIC CONDUCTIVITY 480.7 ms/cm

SAMPLE END TIME: 11:00

COMMENTS

LTM Depth to Water

Location: M2
Date: 03/25/03

Well	NJDEP Well ID	Depth of Well Feet	Well Diameter Inch	Depth to Water Feet
M2MW01	29-32585	24.22	4	4.57
M2MW02	29-32586	19.24	4	9.7
M2MW03	29-32587	16.92	4	7.08
M2MW04	29-37988	21.05	4	8.47
M2MW05	29-39185	13.85	4	6.1
M2MW06	29-39184	18.5	4	6.18
M2MW07	29-39183	16.71	4	6.77
M2MW08	29-39182	20.88	4	6.43
M2MW09	29-39181	21.5	4	6.19
M2MW10	29-39180	22.31	4	7.45
M2MW11	29-42769	51.95	4	8.77
M2MW12	29-42770	51.98	4	8.48
M2MW13	29-42771	22.25	4	9.76
M2MW14	29-42562	23.05	4	9.91
M2MW15	29-42773	22.13	4	9.54
M2MW16	29-42774	22.08	4	6.65
M2MW17	29-42775	23.14	4	6.37
M2MW18	29-42776	22.25	4	6.16
M2MW19	29-42777	52.91	4	7.93
M2MW20	29-42778	53.3	4	10.63
M2MW21	29-42779	22.31	4	9.67
M2MW22	29-42780	22.47	4	7.95
M2MW23	29-42781	22.92	4	9.98
M2MW24	29-42772	22.04	4	8.33

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	**VB013311.D**	Sample Name	**MB 31Mar03**
Operator	**Skelton**	Field ID	**MB 31Mar03**
Date Acquired	**31 Mar 2003 11:43 am**	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

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4/18/2003 2:52 PM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

MB 31Mar03

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30128 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 31Mar03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013311.D

Level: (low/med) LOW Date Received: 3/20/2003

% Moisture: not dec. Date Analyzed: 3/31/2003

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	**VB013378.D**	Sample Name	**MB 02Apr03**
Operator	**Skelton**	Field ID	**MB 02Apr03**
Date Acquired	**2 Apr 2003 4:41 pm**	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

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5/19/2003 2:04 PM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

MB 02Apr03

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30135 Location: M2 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: 3/25/2003

% 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

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

Data File	**VB013413.D**	Sample Name	**MB 07Apr03**
Operator	**Skelton**	Field ID	**MB 07Apr03**
Date Acquired	**7 Apr 2003 5:14 pm**	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 07Apr03

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB 07Apr03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013413.D

Level: (low/med) LOW Date Received: 3/25/2003

% Moisture: not dec. Date Analyzed: 4/7/2003

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 Number #13461

Data File	**VC009348.D**	Sample Name	**MB 09Apr03**
Operator	**Skelton**	Field ID	**MB 09Apr03**
Date Aquired	**9-Apr-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **MB 09Apr03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30137 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 09Apr03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009348.D

Level: (low/med) LOW Date Received: 3/26/2003

% Moisture: not dec. Date Analyzed: 4/9/2003

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

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

Data File	**VB013406.D**	Sample Name	**3013501**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**3 Apr 2003 2:36 pm**	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	16.61	158837	3.32 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.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013501

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013406.D

Level: (low/med) LOW Date Received: 3/25/2003

% 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

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

Data File	**VC009349.D**	Sample Name	**3013701**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**9-Apr-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	15.57	104502	3.40 ug/L	6	0.30 ug/L	2.00 ug/L	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30137 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3013701

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009349.D

Level: (low/med) LOW Date Received: 3/26/2003

% Moisture: not dec. Date Analyzed: 4/9/2003

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

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

Data File	**VB013397.D**	Sample Name	**3013502**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**3 Apr 2003 8:34 am**	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	16.58	169361	3.15 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.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013502

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013397.D

Level: (low/med) LOW Date Received: 3/25/2003

% 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

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

Data File	**VC009350.D**	Sample Name	**3013702**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**9-Apr-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	15.59	62436	2.09 ug/L	6	0.30 ug/L	2.00 ug/L	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30137 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3013702

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009350.D

Level: (low/med) LOW Date Received: 3/26/2003

% Moisture: not dec. Date Analyzed: 4/9/2003

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

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

Data File	**VB013398.D**	Sample Name	**3013503**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**3 Apr 2003 9:14 am**	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.

Dupe

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013503

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013398.D

Level: (low/med) LOW Date Received: 3/25/2003

% 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

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

Data File	**VC009351.D**	Sample Name	**3013703**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**9-Apr-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30137 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3013703

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009351.D

Level: (low/med) LOW Date Received: 3/26/2003

% Moisture: not dec. Date Analyzed: 4/9/2003

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

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

Data File	**VC009352.D**	Sample Name	**3013704**
Operator	**Skelton**	Field ID	**M2MW01**
Date Aquired	**9-Apr-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30137 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3013704

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009352.D

Level: (low/med) LOW Date Received: 3/26/2003

% Moisture: not dec. Date Analyzed: 4/9/2003

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

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

Data File	**VB013400.D**	Sample Name	**3013505**
Operator	**Skelton**	Field ID	**M2MW02**
Date Acquired	**3 Apr 2003 10:35 am**	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	18.06	198332	1.74 ug/L	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	26.65	3254883	40.14 ug/L	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	32.11	65864	1.16 ug/L	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene	32.32	234495	3.72 ug/L	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.

M2MW02

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013505

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013400.D

Level: (low/med) LOW Date Received: 3/25/2003

% 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

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

Data File	**VC009356.D**	Sample Name	**3013708**
Operator	**Skelton**	Field ID	**M2MW03**
Date Aquired	**9-Apr-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	16.92	117381	1.73 ug/L	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	
75-27-4	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	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene	25.00	1725842	36.38 ug/L	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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	30.55	40108	1.23 ug/L	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

FIELD ID: **M2MW03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30137 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3013708

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009356.D

Level: (low/med) LOW Date Received: 3/26/2003

% Moisture: not dec. _____ Date Analyzed: 4/9/2003

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

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

Data File	**VB013419.D**	Sample Name	**3013516**
Operator	**Skelton**	Field ID	**M2MW04**
Date Acquired	**7 Apr 2003 9:15 pm**	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	26.64	367306	4.44 ug/L	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.

M2MW04

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013516

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013419.D

Level: (low/med) LOW Date Received: 3/25/2003

% Moisture: not dec. Date Analyzed: 4/7/2003

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	**VB013399.D**	Sample Name	**3013504**
Operator	**Skelton**	Field ID	**M2MW05**
Date Acquired	**3 Apr 2003 9:55 am**	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.

M2MW05

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013504

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013399.D

Level: (low/med) LOW Date Received: 3/25/2003

% 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

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

Data File	**VB013324.D**	Sample Name	**3012801**
Operator	**Skelton**	Field ID	**M2MW06**
Date Acquired	**31 Mar 2003 8:47 pm**	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	26.66	229292	2.57 ug/L	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.

M2MW06

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30128 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3012801

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013324.D

Level: (low/med) LOW Date Received: 3/20/2003

% Moisture: not dec. Date Analyzed: 3/31/2003

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	**VB013405.D**	Sample Name	**3013510**
Operator	**Skelton**	Field ID	**M2MW07**
Date Acquired	**3 Apr 2003 1:56 pm**	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.

M2MW07

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013510

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013405.D

Level: (low/med) LOW Date Received: 3/25/2003

% 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

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

Data File	**VB013418.D**	Sample Name	**3013515**
Operator	**Skelton**	Field ID	**M2MW08**
Date Acquired	**7 Apr 2003 8:34 pm**	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.

M2MW08

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013515

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013418.D

Level: (low/med) LOW Date Received: 3/25/2003

% Moisture: not dec. Date Analyzed: 4/7/2003

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	**VB013325.D**	Sample Name	**3012802**
Operator	**Skelton**	Field ID	**M2MW09**
Date Acquired	**31 Mar 2003 9:27 pm**	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.

M2MW09

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30128 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3012802

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013325.D

Level: (low/med) LOW Date Received: 3/20/2003

% Moisture: not dec. Date Analyzed: 3/31/2003

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	**VB013421.D**	Sample Name	**3013518**
Operator	**Skelton**	Field ID	**M2MW10**
Date Acquired	**7 Apr 2003 10:35 pm**	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.

M2MW10

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013518

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013421.D

Level: (low/med) LOW Date Received: 3/25/2003

% Moisture: not dec. Date Analyzed: 4/7/2003

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 Number #13461

Data File	**VC009358.D**	Sample Name	**3013710**
Operator	**Skelton**	Field ID	**M2MW11**
Date Aquired	**9-Apr-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW11**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30137 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3013710

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009358.D

Level: (low/med) LOW Date Received: 3/26/2003

% Moisture: not dec. _____ Date Analyzed: 4/9/2003

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

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

Data File	**VC009355.D**	Sample Name	**3013707**
Operator	**Skelton**	Field ID	**M2MW12**
Date Aquired	**9-Apr-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW12**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30137 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3013707

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009355.D

Level: (low/med) LOW Date Received: 3/26/2003

% Moisture: not dec. _____ Date Analyzed: 4/9/2003

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

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

Data File	**VC009354.D**	Sample Name	**3013706**
Operator	**Skelton**	Field ID	**M2MW13**
Date Aquired	**9-Apr-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW13**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30137 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3013706

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009354.D

Level: (low/med) LOW Date Received: 3/26/2003

% Moisture: not dec. _____ Date Analyzed: 4/9/2003

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

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

Data File	**VC009353.D**	Sample Name	**3013705**
Operator	**Skelton**	Field ID	**M2MW14**
Date Aquired	**9-Apr-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW14**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30137 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3013705

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009353.D

Level: (low/med) LOW Date Received: 3/26/2003

% Moisture: not dec. Date Analyzed: 4/9/2003

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

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

Data File	**VB013420.D**	Sample Name	**3013517**
Operator	**Skelton**	Field ID	**M2MW15**
Date Acquired	**7 Apr 2003 9:55 pm**	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.

M2MW15

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30135 Location: M2 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3013517

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013420.D

Level: (low/med) LOW Date Received: 3/25/2003

% Moisture: not dec. _____ Date Analyzed: 4/7/2003

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	**VB013417.D**	Sample Name	**3013514**
Operator	**Skelton**	Field ID	**M2MW16**
Date Acquired	**7 Apr 2003 7:54 pm**	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.

M2MW16

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013514

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013417.D

Level: (low/med) LOW Date Received: 3/25/2003

% Moisture: not dec. Date Analyzed: 4/7/2003

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	**VB013403.D**	Sample Name	**3013508**
Operator	**Skelton**	Field ID	**M2MW17**
Date Acquired	**3 Apr 2003 12:35 pm**	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.

M2MW17

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013508

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013403.D

Level: (low/med) LOW Date Received: 3/25/2003

% 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

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

Data File	**VB013402.D**	Sample Name	**3013507**
Operator	**Skelton**	Field ID	**M2MW18**
Date Acquired	**3 Apr 2003 11:55 am**	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.

M2MW18

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013507

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013402.D

Level: (low/med) LOW Date Received: 3/25/2003

% 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

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

Data File	**VB013416.D**	Sample Name	**3013513**
Operator	**Skelton**	Field ID	**M2MW19**
Date Acquired	**7 Apr 2003 7:14 pm**	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.

M2MW19

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013513

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013416.D

Level: (low/med) LOW Date Received: 3/25/2003

% Moisture: not dec. Date Analyzed: 4/7/2003

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	**VB013404.D**	Sample Name	**3013509**
Operator	**Skelton**	Field ID	**M2MW20**
Date Acquired	**3 Apr 2003 1:16 pm**	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.

M2MW20

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013509

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013404.D

Level: (low/med) LOW Date Received: 3/25/2003

% 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

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

Data File	**VB013414.D**	Sample Name	**3013511**
Operator	**Skelton**	Field ID	**M2MW21**
Date Acquired	**7 Apr 2003 5:54 pm**	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	18.06	135772	1.09 ug/L	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	26.65	2323629	26.03 ug/L	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	32.10	154092	2.46 ug/L	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene	32.32	416367	5.99 ug/L	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene	33.19	71142	1.19 ug/L	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.

M2MW21

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013511

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013414.D

Level: (low/med) LOW Date Received: 3/25/2003

% Moisture: not dec. Date Analyzed: 4/7/2003

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	**VB013401.D**	Sample Name	**3013506**
Operator	**Skelton**	Field ID	**M2MW22**
Date Acquired	**3 Apr 2003 11:15 am**	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	11.80	262440	188.07 ug/L	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.

M2MW22

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013506

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013401.D

Level: (low/med) LOW Date Received: 3/25/2003

% 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: 5

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 001630-94-0	Cyclopropane, 1,1-dimethyl-	7.44	9	JN
2.	unknown hydrocarbon	8.50	9	J
3.	unknown hydrocarbon	18.27	58	J
4.	unknown hydrocarbon	22.45	3	J
5.	unknown hydrocarbon	23.27	4	J

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

Data File	**VC009357.D**	Sample Name	**3013709**
Operator	**Skelton**	Field ID	**M2MW23**
Date Aquired	**9-Apr-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene	24.99	345773	7.19 ug/L	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW23**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30137 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3013709

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009357.D

Level: (low/med) LOW Date Received: 3/26/2003

% Moisture: not dec. _____ Date Analyzed: 4/9/2003

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

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

Data File	**VB013415.D**	Sample Name	**3013512**
Operator	**Skelton**	Field ID	**M2MW24**
Date Acquired	**7 Apr 2003 6:34 pm**	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	18.06	217593	1.72 ug/L	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	26.65	468678	5.05 ug/L	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	32.32	215916	2.99 ug/L	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.

M2MW24

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013512

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB013415.D

Level: (low/med) LOW Date Received: 3/25/2003

% Moisture: not dec. Date Analyzed: 4/7/2003

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: 7

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000105-05-5	Benzene, 1,4-diethyl-	32.77	6	JN
2. 000496-11-7	Indane	32.86	20	JN
3. 000135-01-3	Benzene, 1,2-diethyl-	33.25	3	JN
4. 000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	33.84	6	JN
5. 001005-64-7	(E)-1-Phenyl-1-butene	33.98	6	JN
6. 000768-49-0	Benzene, (2-methyl-1-propenyl)-	34.14	23	JN
7. 000095-93-2	Benzene, 1,2,4,5-tetramethyl-	34.72	10	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07700.D**	Sample Name	**MB-032403**
Operator	**BPatel**	Misc Info	**MB-032403**
Date Acquired	**24-Mar-03**	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	**BNA07700.D**	Sample Name	**MB-032403**
Operator	**BPatel**	Misc Info	**MB-032403**
Date Acquired	**24-Mar-03**	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

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.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **MB-032403**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30128 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB-032403

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07700.D

Level: (low/med) LOW Date Received: 3/20/03

% Moisture: decanted: (Y/N) N Date Extracted: 3/24/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 3/24/03

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	7.20	9	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07712.D**	Sample Name	**MB-032703**
Operator	**BPatel**	Misc Info	**MB-032703**
Date Acquired	**1-Apr-03**	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	**BNA07712.D**	Sample Name	**MB-032703**
Operator	**BPatel**	Misc Info	**MB-032703**
Date Acquired	**1-Apr-03**	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
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.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **MB-032703**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB-032703

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07712.D

Level: (low/med) LOW Date Received: 3/25/03

% Moisture: decanted: (Y/N) N Date Extracted: 3/27/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/03

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	7.19	4	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07731.D**	Sample Name	**MB-040103**
Operator	**BPatel**	Misc Info	**MB-040103**
Date Acquired	**2-Apr-03**	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	**BNA07731.D**	Sample Name	**MB-040103**
Operator	**BPatel**	Misc Info	**MB-040103**
Date Acquired	**2-Apr-03**	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

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **MB-040103**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB-040103

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07731.D

Level: (low/med) LOW Date Received: 3/25/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/1/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/03

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	7.19	8	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07750.D**	Sample Name	**MB-040203**
Operator	**BPatel**	Misc Info	**MB-040203**
Date Acquired	**3-Apr-03**	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	**BNA07750.D**	Sample Name	**MB-040203**
Operator	**BPatel**	Misc Info	**MB-040203**
Date Acquired	**3-Apr-03**	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

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: **MB-040203**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30137 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB-040203

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07750.D

Level: (low/med) LOW Date Received: 3/26/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/2/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/3/03

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07726.D**	Sample Name	**3013502**
Operator	**BPatel**	Misc Info	**Field Blank**
Date Acquired	**1-Apr-03**	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	**BNA07726.D**	Sample Name	**3013502**
Operator	**BPatel**	Misc Info	**Field Blank**
Date Acquired	**1-Apr-03**	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
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: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013502

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07726.D

Level: (low/med) LOW Date Received: 3/25/03

% Moisture: decanted: (Y/N) N Date Extracted: 3/27/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/03

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	7.19	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07755.D**	Sample Name	**3013702**
Operator	**BPatel**	Misc Info	**Field Blank**
Date Acquired	**3-Apr-03**	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	**BNA07755.D**	Sample Name	**3013702**
Operator	**BPatel**	Misc Info	**Field Blank**
Date Acquired	**3-Apr-03**	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
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: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30137 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013702

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07755.D

Level: (low/med) LOW Date Received: 3/26/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/2/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/3/03

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	7.18	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07727.D**	Sample Name	**3013503**
Operator	**BPatel**	Misc Info	**Dupe**
Date Acquired	**1-Apr-03**	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	**BNA07727.D**	Sample Name	**3013503**
Operator	**BPatel**	Misc Info	**Dupe**
Date Acquired	**1-Apr-03**	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
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.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013503

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07727.D

Level: (low/med) LOW Date Received: 3/25/03

% Moisture: decanted: (Y/N) N Date Extracted: 3/27/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/03

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	7.19	8	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07756.D**	Sample Name	**3013703**
Operator	**BPatel**	Misc Info	**Dupe**
Date Acquired	**3-Apr-03**	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	**BNA07756.D**	Sample Name	**3013703**
Operator	**BPatel**	Misc Info	**Dupe**
Date Acquired	**3-Apr-03**	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
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.: 30137 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013703

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07756.D

Level: (low/med) LOW Date Received: 3/26/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/2/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/3/03

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	7.18	6	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07757.D**	Sample Name	**3013704**
Operator	**BPatel**	Misc Info	**M2MW01**
Date Acquired	**3-Apr-03**	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	**BNA07757.D**	Sample Name	**3013704**
Operator	**BPatel**	Misc Info	**M2MW01**
Date Acquired	**3-Apr-03**	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
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: **M2MW01**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30137 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013704

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07757.D

Level: (low/med) LOW Date Received: 3/26/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/2/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/3/03

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	7.18	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07729.D**	Sample Name	**3013505**
Operator	**BPatel**	Misc Info	**M2MW02**
Date Acquired	**2-Apr-03**	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	10.68	79990	2.55 ug/L	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	**BNA07729.D**	Sample Name	**3013505**
Operator	**BPatel**	Misc Info	**M2MW02**
Date Acquired	**2-Apr-03**	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	28.10	181180	2.91 ug/L	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: **M2MW02**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013505

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07729.D

Level: (low/med) LOW Date Received: 3/25/03

% Moisture: decanted: (Y/N) N Date Extracted: 3/27/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/03

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.19	6	J
2.	unknown	19.54	6	J
3. 000070-55-3	Benzenesulfonamide, 4-methyl-	20.03	4	JN
4. 000934-34-9	2(3H)-Benzothiazolone	20.13	6	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07763.D**	Sample Name	**3013708**
Operator	**BPatel**	Misc Info	**M2MW03**
Date Acquired	**4-Apr-03**	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	10.68	63833	2.05 ug/L	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	17.91	293988	6.12 ug/L	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	18.33	158311	2.29 ug/L	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	**BNA07763.D**	Sample Name	**3013708**
Operator	**BPatel**	Misc Info	**M2MW03**
Date Acquired	**4-Apr-03**	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	19.17	124083	2.18 ug/L	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	28.09	111315	2.03 ug/L	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: **M2MW03**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30137 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013708

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07763.D

Level: (low/med) LOW Date Received: 3/26/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/2/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/4/03

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.18	6	J
2.	unknown	11.05	5	J
3.	unknown	19.89	5	J
4. 000934-34-9	2(3H)-Benzothiazolone	20.13	5	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07746.D**	Sample Name	**3013516**
Operator	**BPatel**	Misc Info	**M2MW04**
Date Acquired	**3-Apr-03**	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	**BNA07746.D**	Sample Name	**3013516**
Operator	**BPatel**	Misc Info	**M2MW04**
Date Acquired	**3-Apr-03**	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
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: **M2MW04**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30135 Location: M2 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3013516

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07746.D

Level: (low/med) LOW Date Received: 3/25/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 4/1/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/3/03

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	7.18	8	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07728.D**	Sample Name	**3013504**
Operator	**BPatel**	Misc Info	**M2MW05**
Date Acquired	**2-Apr-03**	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	**BNA07728.D**	Sample Name	**3013504**
Operator	**BPatel**	Misc Info	**M2MW05**
Date Acquired	**2-Apr-03**	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

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: **M2MW05**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013504

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07728.D

Level: (low/med) LOW Date Received: 3/25/03

% Moisture: decanted: (Y/N) N Date Extracted: 3/27/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/03

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: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.19	7	J
2. 000070-55-3	Benzenesulfonamide, 4-methyl-	20.03	7	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07705.D**	Sample Name	**3012801**
Operator	**BPatel**	Misc Info	**M2MW06**
Date Acquired	**24-Mar-03**	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	**BNA07705.D**	Sample Name	**3012801**
Operator	**BPatel**	Misc Info	**M2MW06**
Date Acquired	**24-Mar-03**	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
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: **M2MW06**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30128 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3012801

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07705.D

Level: (low/med) LOW Date Received: 3/20/03

% Moisture: decanted: (Y/N) N Date Extracted: 3/24/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 3/24/03

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: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000077-74-7	3-Pentanol, 3-methyl-	5.25	5	JN
2.	unknown	5.28	15	J
3. 001462-03-9	Cyclopentanol, 1-methyl-	6.14	8	JN
4.	unknown	7.19	9	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07736.D**	Sample Name	**3013510**
Operator	**BPatel**	Misc Info	**M2MW07**
Date Acquired	**2-Apr-03**	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	**BNA07736.D**	Sample Name	**3013510**
Operator	**BPatel**	Misc Info	**M2MW07**
Date Acquired	**2-Apr-03**	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
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.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **M2MW07**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013510

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07736.D

Level: (low/med) LOW Date Received: 3/25/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/1/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/03

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: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.19	7	J
2. 000088-19-7	Benzenesulfonamide, 2-methyl-	19.55	4	JN
3. 000070-55-3	Benzenesulfonamide, 4-methyl-	20.04	10	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07745.D**	Sample Name	**3013515**
Operator	**BPatel**	Misc Info	**M2MW08**
Date Acquired	**3-Apr-03**	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	**BNA07745.D**	Sample Name	**3013515**
Operator	**BPatel**	Misc Info	**M2MW08**
Date Acquired	**3-Apr-03**	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
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: **M2MW08**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013515

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07745.D

Level: (low/med) LOW Date Received: 3/25/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/1/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/3/03

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	7.18	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07706.D**	Sample Name	**3012802**
Operator	**BPatel**	Misc Info	**M2MW09**
Date Acquired	**24-Mar-03**	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	**BNA07706.D**	Sample Name	**3012802**
Operator	**BPatel**	Misc Info	**M2MW09**
Date Acquired	**24-Mar-03**	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
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.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **M2MW09**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30128 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3012802

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07706.D

Level: (low/med) LOW Date Received: 3/20/03

% Moisture: decanted: (Y/N) N Date Extracted: 3/24/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 3/24/03

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	7.19	10	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07748.D**	Sample Name	**3013518**
Operator	**BPatel**	Misc Info	**M2MW10**
Date Acquired	**3-Apr-03**	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	**BNA07748.D**	Sample Name	**3013518**
Operator	**BPatel**	Misc Info	**M2MW10**
Date Acquired	**3-Apr-03**	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
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.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **M2MW10**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013518

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07748.D

Level: (low/med) LOW Date Received: 3/25/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/1/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/3/03

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	7.19	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07765.D**	Sample Name	**3013710**
Operator	**BPatel**	Misc Info	**M2MW11**
Date Acquired	**4-Apr-03**	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	**BNA07765.D**	Sample Name	**3013710**
Operator	**BPatel**	Misc Info	**M2MW11**
Date Acquired	**4-Apr-03**	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
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: **M2MW11**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30137 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013710

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07765.D

Level: (low/med) LOW Date Received: 3/26/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/2/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/4/03

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	7.19	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07762.D**	Sample Name	**3013707**
Operator	**BPatel**	Misc Info	**M2MW12**
Date Acquired	**4-Apr-03**	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	**BNA07762.D**	Sample Name	**3013707**
Operator	**BPatel**	Misc Info	**M2MW12**
Date Acquired	**4-Apr-03**	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

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: **M2MW12**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30137 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013707

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07762.D

Level: (low/med) LOW Date Received: 3/26/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/2/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/4/03

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	7.18	6	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07761.D**	Sample Name	**3013706**
Operator	**BPatel**	Misc Info	**M2MW13**
Date Acquired	**4-Apr-03**	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	**BNA07761.D**	Sample Name	**3013706**
Operator	**BPatel**	Misc Info	**M2MW13**
Date Acquired	**4-Apr-03**	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
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: **M2MW13**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30137 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013706

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07761.D

Level: (low/med) LOW Date Received: 3/26/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/2/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/4/03

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	7.19	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07758.D**	Sample Name	**3013705**
Operator	**BPatel**	Misc Info	**M2MW14**
Date Acquired	**3-Apr-03**	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	**BNA07758.D**	Sample Name	**3013705**
Operator	**BPatel**	Misc Info	**M2MW14**
Date Acquired	**3-Apr-03**	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

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: **M2MW14**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30137 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013705

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07758.D

Level: (low/med) LOW Date Received: 3/26/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/2/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/3/03

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	7.19	6	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07747.D**	Sample Name	**3013517**
Operator	**BPatel**	Misc Info	**M2MW15**
Date Acquired	**3-Apr-03**	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	**BNA07747.D**	Sample Name	**3013517**
Operator	**BPatel**	Misc Info	**M2MW15**
Date Acquired	**3-Apr-03**	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
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: **M2MW15**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013517

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07747.D

Level: (low/med) LOW Date Received: 3/25/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/1/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/3/03

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	7.18	8	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07740.D**	Sample Name	**3013514**
Operator	**BPatel**	Misc Info	**M2MW16**
Date Acquired	**2-Apr-03**	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	**BNA07740.D**	Sample Name	**3013514**
Operator	**BPatel**	Misc Info	**M2MW16**
Date Acquired	**2-Apr-03**	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

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: **M2MW16**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013514

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07740.D

Level: (low/med) LOW Date Received: 3/25/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/1/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/03

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	7.19	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07734.D**	Sample Name	**3013508**
Operator	**BPatel**	Misc Info	**M2MW17**
Date Acquired	**2-Apr-03**	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	**BNA07734.D**	Sample Name	**3013508**
Operator	**BPatel**	Misc Info	**M2MW17**
Date Acquired	**2-Apr-03**	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
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.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **M2MW17**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013508

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07734.D

Level: (low/med) LOW Date Received: 3/25/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/1/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/03

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	7.19	6	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07733.D**	Sample Name	**3013507**
Operator	**BPatel**	Misc Info	**M2MW18**
Date Acquired	**2-Apr-03**	Sample Multiplie	**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	**BNA07733.D**	Sample Name	**3013507**
Operator	**BPatel**	Misc Info	**M2MW18**
Date Acquired	**2-Apr-03**	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
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: **M2MW18**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013507

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07733.D

Level: (low/med) LOW Date Received: 3/25/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/1/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/03

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: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.19	7	J
2. 000064-77-7	Tolbutamide	20.03	4	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07739.D**	Sample Name	**3013513**
Operator	**BPatel**	Misc Info	**M2MW19**
Date Acquired	**2-Apr-03**	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	**BNA07739.D**	Sample Name	**3013513**
Operator	**BPatel**	Misc Info	**M2MW19**
Date Acquired	**2-Apr-03**	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
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: **M2MW19**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013513

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07739.D

Level: (low/med) LOW Date Received: 3/25/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/1/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/03

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	7.19	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07735.D**	Sample Name	**3013509**
Operator	**BPatel**	Misc Info	**M2MW20**
Date Acquired	**2-Apr-03**	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	**BNA07735.D**	Sample Name	**3013509**
Operator	**BPatel**	Misc Info	**M2MW20**
Date Acquired	**2-Apr-03**	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

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: **M2MW20**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013509

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07735.D

Level: (low/med) LOW Date Received: 3/25/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/1/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/03

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	7.19	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07737.D**	Sample Name	**3013511**
Operator	**BPatel**	Misc Info	**M2MW21**
Date Acquired	**2-Apr-03**	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	10.52	59842	2.28 ug/L	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene	10.68	164663	6.12 ug/L	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	11.04	31249	1.27 ug/L	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	15.31	77422	1.71 ug/L	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	**BNA07737.D**	Sample Name	**3013511**
Operator	**BPatel**	Misc Info	**M2MW21**
Date Acquired	**2-Apr-03**	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	28.10	394435	7.48 ug/L	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: **M2MW21**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013511

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07737.D

Level: (low/med) LOW Date Received: 3/25/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/1/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/03

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.19	8	J
2. 000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	11.86	4	JN
3. 001005-64-7	(E)-1-Phenyl-1-butene	12.99	5	JN
4. 000090-12-0	Naphthalene, 1-methyl-	15.55	4	JN
5. 000070-55-3	Benzenesulfonamide, 4-methyl-	20.03	4	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07732.D**	Sample Name	**3013506**
Operator	**BPatel**	Misc Info	**M2MW22**
Date Acquired	**2-Apr-03**	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	**BNA07732.D**	Sample Name	**3013506**
Operator	**BPatel**	Misc Info	**M2MW22**
Date Acquired	**2-Apr-03**	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

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: **M2MW22**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013506

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07732.D

Level: (low/med) LOW Date Received: 3/25/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/1/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/03

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: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.24	24	J
2.	unknown	5.27	78	J
3.	unknown	6.14	66	J
4.	unknown	7.19	10	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07764.D**	Sample Name	**3013709**
Operator	**BPatel**	Misc Info	**M2MW23**
Date Acquired	**4-Apr-03**	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	10.67	40676	1.32 ug/L	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	**BNA07764.D**	Sample Name	**3013709**
Operator	**BPatel**	Misc Info	**M2MW23**
Date Acquired	**4-Apr-03**	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
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: **M2MW23**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30137 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013709

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07764.D

Level: (low/med) LOW Date Received: 3/26/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/2/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/4/03

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	7.19	6	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07738.D**	Sample Name	**3013512**
Operator	**BPatel**	Misc Info	**M2MW24**
Date Acquired	**2-Apr-03**	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	10.68	72218	2.56 ug/L	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	15.30	93727	1.95 ug/L	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	**BNA07738.D**	Sample Name	**3013512**
Operator	**BPatel**	Misc Info	**M2MW24**
Date Acquired	**2-Apr-03**	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	19.17	56990	1.11 ug/L	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	28.09	305952	5.68 ug/L	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: **M2MW24**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30135 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3013512

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07738.D

Level: (low/med) LOW Date Received: 3/25/03

% Moisture: decanted: (Y/N) N Date Extracted: 4/1/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/03

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 15 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.19	7	J
2. 000098-82-8	Benzene, (1-methylethyl)-	8.90	8	JN
3. 000103-65-1	Benzene, propyl-	9.49	9	JN
4.	unknown	11.05	14	J
5. 000141-93-5	Benzene, 1,3-diethyl-	11.22	6	JN
6.	unknown	11.86	11	J
7. 000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	12.40	7	JN
8. 000767-58-8	Indan, 1-methyl-	12.83	6	JN
9. 001560-06-1	Benzene, 2-butenyl-	12.99	24	JN
10. 017057-82-8	1H-Indene, 2,3-dihydro-1,2-dimet	13.72	5	JN
11. 001680-51-9	Naphthalene, 1,2,3,4-tetrahydro-6	15.20	4	JN
12. 000090-12-0	Naphthalene, 1-methyl-	15.54	23	JN
13. 000575-37-1	Naphthalene, 1,7-dimethyl-	16.84	7	JN
14. 000582-16-1	Naphthalene, 2,7-dimethyl-	17.01	9	JN
15. 000934-34-9	2(3H)-Benzothiazolone	20.13	6	JN

U.S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

TABULATED ANALYTICAL REPORT
SW 846 608
Pesticides/PCB

mb 032603

Matrix: Aqueous
Date Extracted: 3/26/03
Ext. Batch: 032603
Date Analysed: 3/27/03

Filename: 00800B.D

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	MDL (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.

TABULATED ANALYTICAL REPORT
SW 846 608
Pesticides/PCB

mb 032803

Matrix: Aqueous
Date Extracted: 3/28/03
Ext. Batch: 032803
Filename: 00838.D
Date Analysed: 3/31/03

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	MDL (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.

TABULATED ANALYTICAL REPORT
SW 846 608
Pesticides/PCB

mb 033102

Matrix: Aqueous
Date Extracted: 3/28/03
Ext. Batch: 032803
Filename: 00852.D
Date Analysed: 3/31/03

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	MDL (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: M2 Wells
Field ID: FIELDBLANK
Lab ID: 3013502
Filename: 00840.D
Lab Project : 30135

Location: M2 Wells 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 032803
Date Extracted: 3/28/03
Date Analyzed: 31-Mar-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.

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: M2 Wells
Field ID: FIELDBLANK
Lab ID: 3013702
Filename: 00881.D
Lab Project : 30137

Location: M2 Wells, 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 033103
Date Extracted: 3/31/03
Date Analyzed: 1 Apr 2003 4:13 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	0.20		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.

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: M2 Wells
Field ID: Dupe
Lab ID: 3013703
Filename: 00882.D
Lab Project : 30137

Location: M2 Wells, 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 033103
Date Extracted: 3/31/03
Date Analyzed: 1 Apr 2003 4:47 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	0.20		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	0.006	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.

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: M2 Wells
Field ID: Dupe
Lab ID: 3013503
Filename: 00841.D
Lab Project : 30135

Location: M2 Wells 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 032803
Date Extracted: 3/28/03
Date Analyzed: 31-Mar-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	0.003	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	0.022	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.

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: M2 Wells
Field ID: M2 MW01
Lab ID: 3013704
Filename: 00883.D
Lab Project : 30137

Location: M2 Wells, 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 033103
Date Extracted: 3/31/03
Date Analyzed: 1 Apr 2003 5:21 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	0.20		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	0.007	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.

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: M2 Wells
Field ID: M2 MW02
Lab ID: 3013505
Filename: 00843.D
Lab Project : 30135

Location: M2 Wells 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 032803
Date Extracted: 3/28/03
Date Analyzed: 31-Mar-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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW03
Lab ID: 3013708
Filename: 00887.D
Lab Project : 30137

Location: M2 Wells, 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 033103
Date Extracted: 3/31/03
Date Analyzed: 1 Apr 2003 7:35 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	0.20		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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW04
Lab ID: 3013516
Filename: 00858.D
Lab Project : 30135

Location: M2 Wells 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 032803
Date Extracted: 3/28/03
Date Analyzed: 31-Mar-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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW05
Lab ID: 3013504
Filename: 00842.D
Lab Project : 30135

Location: M2 Wells 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 032803
Date Extracted: 3/28/03
Date Analyzed: 31-Mar-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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2MW06
Lab ID: 3012801
Filename: 00813.D
Lab Project : 30128

Location: M2 Wells, 1st. Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 032603
Date Extracted: 3/26/03
Date Analyzed: 28-Mar-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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW07
Lab ID: 3013510
Filename: 00850.D
Lab Project : 30135

Location: M2 Wells 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 032803
Date Extracted: 3/28/03
Date Analyzed: 31-Mar-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	0.002	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	0.005	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
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW08
Lab ID: 3013515
Filename: 00857.D
Lab Project : 30135

Location: M2 Wells 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 032803
Date Extracted: 3/28/03
Date Analyzed: 31-Mar-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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Report of Analysis
NJDEP Certification # 13461
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2MW09
Lab ID: 3012802
Filename: 00814.D
Lab Project : 30128

Location: M2 Wells, 1st. Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 032603
Date Extracted: 3/26/03
Date Analyzed: 28-Mar-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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Report of Analysis
NJDEP Certification # 13461
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW10
Lab ID: 3013518
Filename: 00860.D
Lab Project : 30135

Location: M2 Wells 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 032803
Date Extracted: 3/28/03
Date Analyzed: 31-Mar-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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Report of Analysis
NJDEP Certification # 13461
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW11
Lab ID: 3013710
Filename: 00889.D
Lab Project : 30137

Location: M2 Wells, 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 033103
Date Extracted: 3/31/03
Date Analyzed: 1 Apr 2003 8:42 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	0.20		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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW12
Lab ID: 3013707
Filename: 00886.D
Lab Project : 30137

Location: M2 Wells, 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 033103
Date Extracted: 3/31/03
Date Analyzed: 1 Apr 2003 7:01 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	0.20		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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Report of Analysis
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW13
Lab ID: 3013706
Filename: 00885.D
Lab Project : 30137

Location: M2 Wells, 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 033103
Date Extracted: 3/31/03
Date Analyzed: 1 Apr 2003 6:28 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	0.20		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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Report of Analysis
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW15
Lab ID: 3013517
Filename: 00859.D
Lab Project : 30135

Location: M2 Wells 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 032803
Date Extracted: 3/28/03
Date Analyzed: 31-Mar-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	0.012	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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Report of Analysis
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW16
Lab ID: 3013514
Filename: 00856.D
Lab Project : 30135

Location: M2 Wells 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 032803
Date Extracted: 3/28/03
Date Analyzed: 31-Mar-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	0.004	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	0.008	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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW17
Lab ID: 3013508
Filename: 00848.D
Lab Project : 30135

Location: M2 Wells 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 032803
Date Extracted: 3/28/03
Date Analyzed: 31-Mar-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	0.015	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	0.009	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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Report of Analysis
NJDEP Certification # 13461
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW18
Lab ID: 3013507
Filename: 00845.D
Lab Project : 30135

Location: M2 Wells 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 032803
Date Extracted: 3/28/03
Date Analyzed: 31-Mar-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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW19
Lab ID: 3013513
Filename: 00855.D
Lab Project : 30135

Location: M2 Wells 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 032803
Date Extracted: 3/28/03
Date Analyzed: 31-Mar-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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW20
Lab ID: 3013509
Filename: 00849.D
Lab Project : 30135

Location: M2 Wells 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 032803
Date Extracted: 3/28/03
Date Analyzed: 31-Mar-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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Report of Analysis
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells
Field ID: M2 MW21
Lab ID: 3013511
Filename: 00851.D
Lab Project : 30135

Location: M2 Wells 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 032803
Date Extracted: 3/28/03
Date Analyzed: 31-Mar-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	0.011	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	0.140	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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Report of Analysis
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PESTICIDES/PCB

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:**	M2 Wells 1st Qrtr. '03
Project Name:	M2 Wells	**MATRIX:**	Aqueous
Field ID:	M2 MW22	**Ext. Batch:**	032803
Lab ID:	3013506	**Date Extracted:**	3/28/03
Filename:	00844.D	**Date Analyzed:**	31-Mar-03
Lab Project :	30135	**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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PESTICIDES/PCB

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:**	M2 Wells, 1st Qrtr. '03
Project Name:	M2 Wells	**MATRIX:**	Aqueous
Field ID:	M2 MW23	**Ext. Batch:**	033103
Lab ID:	3013709	**Date Extracted:**	3/31/03
Filename:	00888.D	**Date Analyzed:**	1 Apr 2003 8:09 pm
Lab Project :	30137	**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.

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: M2 Wells
Field ID: M2 MW24
Lab ID: 3013512
Filename: 00854.D
Lab Project : 30135

Location: M2 Wells 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 032803
Date Extracted: 3/28/03
Date Analyzed: 31-Mar-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	0.016	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.

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 #: 30128
Sample Prepared: 03/21/03

Site: M2
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	04/08/03	60	200	200	21.8
Antimony	04/08/03	ND	20	20.00	3.70
Arsenic	04/08/03	ND	8	5.00	2.30
Barium	04/08/03	0.900	2000	5.00	0.500
Beryllium	04/08/03	0.100	20	0.500	0.020
Cadmium	04/08/03	ND	4	2.00	0.400
Calcium	04/08/03	190	NLE	1000	65.00
Chromium	04/08/03	ND	100	5.00	1.00
Cobalt	04/08/03	ND	NLE	2.00	0.300
Copper	04/08/03	4.00	1000	5.00	0.300
Iron	04/08/03	ND	300	500	78.00
Lead	04/08/03	2.00	10	5.00	0.800
Magnesium	04/08/03	ND	NLE	1000	11.00
Manganese	04/08/03	ND	50	5.00	0.900
Mercury	03/28/03	ND	2	0500	0.150
Nickel	04/08/03	ND	100	5.00	0.700
Potassium	04/08/03	ND	NLE	1000	25.00
Selenium	04/08/03	ND	50	20.00	4.80
Silver	04/08/03	ND	20	5.00	0.600
Sodium	04/08/03	ND	50000	5000	1160
Thallium	04/08/03	ND	10	10.00	1.90
Vanadium	04/08/03	ND	NLE	5.00	0.200
Zinc	04/08/03	8.00	5000	50.00	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 #: 30135
Sample Prepared: 03/31/03

Site: M2
Ft. Monmouth, New Jersey

Field ID#: Method Blank

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

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	04/04/03	ND	200	200	21.8
Antimony	04/04/03	ND	20	20.00	3.70
Arsenic	04/04/03	ND	8	5.00	2.30
Barium	04/04/03	0.600	2000	5.00	0.500
Beryllium	04/04/03	ND	20	0.500	0.020
Cadmium	04/04/03	ND	4	2.00	0.400
Calcium	04/04/03	262	NLE	1000	65.00
Chromium	04/04/03	2.12	100	5.00	1.00
Cobalt	04/04/03	ND	NLE	2.00	0.300
Copper	04/04/03	2.13	1000	5.00	0.300
Iron	04/04/03	ND	300	500	78.00
Lead	04/04/03	ND	10	5.00	0.800
Magnesium	04/04/03	20.4	NLE	1000	11.00
Manganese	04/04/03	ND	50	5.00	0.900
Mercury	04/04/03	ND	2	0500	0.150
Nickel	04/04/03	ND	100	5.00	0.700
Potassium	04/04/03	247	NLE	1000	25.00
Selenium	04/04/03	ND	50	20.00	4.80
Silver	04/04/03	ND	20	5.00	0.600
Sodium	04/04/03	ND	50000	5000	1160
Thallium	04/04/03	ND	10	10.00	1.90
Vanadium	04/04/03	ND	NLE	5.00	0.200
Zinc	04/04/03	8.87	5000	50.00	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 #: 30137
Sample Prepared: 03/27/03

Site: M2
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	04/03/03	ND	200	200	21.8
Antimony	04/03/03	ND	20	20.00	3.70
Arsenic	04/03/03	ND	8	5.00	2.30
Barium	04/03/03	ND	2000	5.00	0.500
Beryllium	04/03/03	ND	20	0.500	0.020
Cadmium	04/03/03	ND	4	2.00	0.400
Calcium	04/03/03	87.5	NLE	1000	65.00
Chromium	04/03/03	1.56	100	5.00	1.00
Cobalt	04/03/03	ND	NLE	2.00	0.300
Copper	04/03/03	3.25	1000	5.00	0.300
Iron	04/03/03	136	300	500	78.00
Lead	04/03/03	3.17	10	5.00	0.800
Magnesium	04/03/03	18.1	NLE	1000	11.00
Manganese	04/03/03	1.07	50	5.00	0.900
Mercury	04/11/03	ND	2	0.500	0.150
Nickel	04/03/03	ND	100	5.00	0.700
Potassium	04/03/03	554	NLE	1000	25.00
Selenium	04/03/03	ND	50	20.00	4.80
Silver	04/03/03	ND	20	5.00	0.600
Sodium	04/03/03	ND	50000	5000	1160
Thallium	04/03/03	ND	10	10.00	1.90
Vanadium	04/03/03	ND	NLE	5.00	0.200
Zinc	04/03/03	6.55	5000	50.00	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 #: 3013502
Sample Received: 03/25/03
Sample Matrix: Aqueous

Site: M2
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	04/04/03	ND	200	200	21.8
Antimony	04/04/03	ND	20	20.00	3.70
Arsenic	04/04/03	ND	8	5.00	2.30
Barium	04/04/03	1.27	2000	5.00	0.500
Beryllium	04/04/03	0.0313	20	0.500	0.020
Cadmium	04/04/03	0.543	4	2.00	0.400
Calcium	04/04/03	127	NLE	1000	65.00
Chromium	04/04/03	ND	100	5.00	1.00
Cobalt	04/04/03	ND	NLE	2.00	0.300
Copper	04/04/03	6.37	1000	5.00	0.300
Iron	04/04/03	373	300	500	78.00
Lead	04/04/03	1.08	10	5.00	0.800
Magnesium	04/04/03	22.2	NLE	1000	11.00
Manganese	04/04/03	2.36	50	5.00	0.900
Mercury	04/04/03	ND	2	0500	0.150
Nickel	04/04/03	ND	100	5.00	0.700
Potassium	04/04/03	130	NLE	1000	25.00
Selenium	04/04/03	ND	50	20.00	4.80
Silver	04/04/03	7.39	20	5.00	0.600
Sodium	04/04/03	ND	50000	5000	1160
Thallium	04/04/03	ND	10	10.00	1.90
Vanadium	04/04/03	0.309	NLE	5.00	0.200
Zinc	04/04/03	9.26	5000	50.00	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 #: 3013702
Sample Received: 03/26/03
Sample Matrix: Aqueous

Site: M2
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	04/03/03	ND	200	200	21.8
Antimony	04/03/03	ND	20	20.00	3.70
Arsenic	04/03/03	ND	8	5.00	2.30
Barium	04/03/03	1.19	2000	5.00	0.500
Beryllium	04/03/03	0.041	20	0.500	0.020
Cadmium	04/03/03	0.463	4	2.00	0.400
Calcium	04/03/03	ND	NLE	1000	65.00
Chromium	04/03/03	ND	100	5.00	1.00
Cobalt	04/03/03	ND	NLE	2.00	0.300
Copper	04/03/03	1.60	1000	5.00	0.300
Iron	04/03/03	ND	300	500	78.00
Lead	04/03/03	2.18	10	5.00	0.800
Magnesium	04/03/03	17.8	NLE	1000	11.00
Manganese	04/03/03	ND	50	5.00	0.900
Mercury	04/11/03	ND	2	0.500	0.150
Nickel	04/03/03	ND	100	5.00	0.700
Potassium	04/03/03	49.7	NLE	1000	25.00
Selenium	04/03/03	ND	50	20.00	4.80
Silver	04/03/03	ND	20	5.00	0.600
Sodium	04/03/03	ND	50000	5000	1160
Thallium	04/03/03	2.43	10	10.00	1.90
Vanadium	04/03/03	0.282	NLE	5.00	0.200
Zinc	04/03/03	2.01	5000	50.00	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 #: 3013503
Sample Received: 03/25/03
Sample Matrix: Aqueous

Site: M2
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	04/04/03	96.1	200	200	21.8
Antimony	04/04/03	ND	20	20.00	3.70
Arsenic	04/04/03	ND	8	5.00	2.30
Barium	04/04/03	33.6	2000	5.00	0.500
Beryllium	04/04/03	0.341	20	0.500	0.020
Cadmium	04/04/03	0.557	4	2.00	0.400
Calcium	04/04/03	16500	NLE	1000	65.00
Chromium	04/04/03	1.40	100	5.00	1.00
Cobalt	04/04/03	1.81	NLE	2.00	0.300
Copper	04/04/03	3.62	1000	5.00	0.300
Iron	04/04/03	633	300	500	78.00
Lead	04/04/03	ND	10	5.00	0.800
Magnesium	04/04/03	4690	NLE	1000	11.00
Manganese	04/04/03	47.6	50	5.00	0.900
Mercury	04/04/03	ND	2	0500	0.150
Nickel	04/04/03	5.75	100	5.00	0.700
Potassium	04/04/03	1480	NLE	1000	25.00
Selenium	04/04/03	ND	50	20.00	4.80
Silver	04/04/03	1.00	20	5.00	0.600
Sodium	04/04/03	11800	50000	5000	1160
Thallium	04/04/03	ND	10	10.00	1.90
Vanadium	04/04/03	0.524	NLE	5.00	0.200
Zinc	04/04/03	53.9	5000	50.00	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 #: 3013703
Sample Received: 03/26/03
Sample Matrix: Aqueous

Site: M2
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	04/03/03	230	200	200	21.8
Antimony	04/03/03	ND	20	20.00	3.70
Arsenic	04/03/03	ND	8	5.00	2.30
Barium	04/03/03	53.7	2000	5.00	0.500
Beryllium	04/03/03	0.138	20	0.500	0.020
Cadmium	04/03/03	1.35	4	2.00	0.400
Calcium	04/03/03	7600	NLE	1000	65.00
Chromium	04/03/03	1.89	100	5.00	1.00
Cobalt	04/03/03	5.20	NLE	2.00	0.300
Copper	04/03/03	4.01	1000	5.00	0.300
Iron	04/03/03	227	300	500	78.00
Lead	04/03/03	1.89	10	5.00	0.800
Magnesium	04/03/03	1130	NLE	1000	11.00
Manganese	04/03/03	36.4	50	5.00	0.900
Mercury	04/11/03	ND	2	0.500	0.150
Nickel	04/03/03	4.33	100	5.00	0.700
Potassium	04/03/03	2740	NLE	1000	25.00
Selenium	04/03/03	ND	50	20.00	4.80
Silver	04/03/03	ND	20	5.00	0.600
Sodium	04/04/03	3140	50000	5000	1160
Thallium	04/03/03	ND	10	10.00	1.90
Vanadium	04/03/03	0.469	NLE	5.00	0.200
Zinc	04/03/03	431	5000	50.00	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 #: 3013704
Sample Received: 03/26/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW01

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	04/03/03	216	200	200	21.8
Antimony	04/03/03	ND	20	20.00	3.70
Arsenic	04/03/03	ND	8	5.00	2.30
Barium	04/03/03	53.7	2000	5.00	0.500
Beryllium	04/03/03	0.128	20	0.500	0.020
Cadmium	04/03/03	1.02	4	2.00	0.400
Calcium	04/03/03	7630	NLE	1000	65.00
Chromium	04/03/03	ND	100	5.00	1.00
Cobalt	04/03/03	0.824	NLE	2.00	0.300
Copper	04/03/03	2.37	1000	5.00	0.300
Iron	04/03/03	187	300	500	78.00
Lead	04/03/03	2.12	10	5.00	0.800
Magnesium	04/03/03	1130	NLE	1000	11.00
Manganese	04/03/03	35.5	50	5.00	0.900
Mercury	04/11/03	ND	2	0.500	0.150
Nickel	04/03/03	3.98	100	5.00	0.700
Potassium	04/03/03	2730	NLE	1000	25.00
Selenium	04/03/03	ND	50	20.00	4.80
Silver	04/03/03	ND	20	5.00	0.600
Sodium	04/03/03	3210	50000	5000	1160
Thallium	04/03/03	ND	10	10.00	1.90
Vanadium	04/03/03	0.571	NLE	5.00	0.200
Zinc	04/03/03	429	5000	50.00	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 #: 3010505
Sample Received: 03/25/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW02

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

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	04/04/03	59.6	200	200	21.8
Antimony	04/04/03	ND	20	20.00	3.70
Arsenic	04/04/03	ND	8	5.00	2.30
Barium	04/04/03	239	2000	5.00	0.500
Beryllium	04/04/03	0.0342	20	0.500	0.020
Cadmium	04/04/03	0.467	4	2.00	0.400
Calcium	04/04/03	81600	NLE	1000	65.00
Chromium	04/04/03	1.53	100	5.00	1.00
Cobalt	04/04/03	ND	NLE	2.00	0.300
Copper	04/04/03	ND	1000	5.00	0.300
Iron	04/04/03	29900	300	500	78.00
Lead	04/04/03	1.08	10	5.00	0.800
Magnesium	04/04/03	12200	NLE	1000	11.00
Manganese	04/04/03	403	50	5.00	0.900
Mercury	04/04/03	ND	2	0500	0.150
Nickel	04/04/03	5.54	100	5.00	0.700
Potassium	04/04/03	10300	NLE	1000	25.00
Selenium	04/04/03	ND	50	20.00	4.80
Silver	04/04/03	ND	20	5.00	0.600
Sodium	04/04/03	6580	50000	5000	1160
Thallium	04/04/03	ND	10	10.00	1.90
Vanadium	04/04/03	0.839	NLE	5.00	0.200
Zinc	04/04/03	9.04	5000	50.00	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 #: 3013708
Sample Received: 03/26/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW03

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	04/03/03	118	200	200	21.8
Antimony	04/03/03	ND	20	20.00	3.70
Arsenic	04/03/03	ND	8	5.00	2.30
Barium	04/03/03	193	2000	5.00	0.500
Beryllium	04/03/03	ND	20	0.500	0.020
Cadmium	04/03/03	1.29	4	2.00	0.400
Calcium	04/03/03	90300	NLE	1000	65.00
Chromium	04/03/03	1.73	100	5.00	1.00
Cobalt	04/03/03	ND	NLE	2.00	0.300
Copper	04/03/03	4.78	1000	5.00	0.300
Iron	04/03/03	12800	300	500	78.00
Lead	04/03/03	1.99	10	5.00	0.800
Magnesium	04/03/03	12500	NLE	1000	11.00
Manganese	04/03/03	237	50	5.00	0.900
Mercury	04/11/03	ND	2	0.500	0.150
Nickel	04/03/03	3.20	100	5.00	0.700
Potassium	04/03/03	9900	NLE	1000	25.00
Selenium	04/03/03	9.91	50	20.00	4.80
Silver	04/03/03	ND	20	5.00	0.600
Sodium	04/03/03	12700	50000	5000	1160
Thallium	04/03/03	ND	10	10.00	1.90
Vanadium	04/03/03	1.58	NLE	5.00	0.200
Zinc	04/03/03	56.0	5000	50.00	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 #: 3013516
Sample Received: 03/25/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW04

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

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	04/04/03	32.8	200	200	21.8
Antimony	04/04/03	ND	20	20.00	3.70
Arsenic	04/04/03	ND	8	5.00	2.30
Barium	04/04/03	157	2000	5.00	0.500
Beryllium	04/04/03	0.0770	20	0.500	0.020
Cadmium	04/04/03	ND	4	2.00	0.400
Calcium	04/04/03	45900	NLE	1000	65.00
Chromium	04/04/03	1.54	100	5.00	1.00
Cobalt	04/04/03	ND	NLE	2.00	0.300
Copper	04/04/03	ND	1000	5.00	0.300
Iron	04/04/03	32300	300	500	78.00
Lead	04/04/03	ND	10	5.00	0.800
Magnesium	04/04/03	8720	NLE	1000	11.00
Manganese	04/04/03	707	50	5.00	0.900
Mercury	04/04/03	ND	2	0500	0.150
Nickel	04/04/03	ND	100	5.00	0.700
Potassium	04/04/03	6620	NLE	1000	25.00
Selenium	04/04/03	ND	50	20.00	4.80
Silver	04/04/03	ND	20	5.00	0.600
Sodium	04/04/03	9100	50000	5000	1160
Thallium	04/04/03	ND	10	10.00	1.90
Vanadium	04/04/03	0.551	NLE	5.00	0.200
Zinc	04/04/03	8.21	5000	50.00	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 #: 3013504
Sample Received: 03/25/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW05

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

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	04/04/03	ND	200	200	21.8
Antimony	04/04/03	ND	20	20.00	3.70
Arsenic	04/04/03	ND	8	5.00	2.30
Barium	04/04/03	51.0	2000	5.00	0.500
Beryllium	04/04/03	ND	20	0.500	0.020
Cadmium	04/04/03	ND	4	2.00	0.400
Calcium	04/04/03	14400	NLE	1000	65.00
Chromium	04/04/03	ND	100	5.00	1.00
Cobalt	04/04/03	ND	NLE	2.00	0.300
Copper	04/04/03	0.976	1000	5.00	0.300
Iron	04/04/03	5340	300	500	78.00
Lead	04/04/03	ND	10	5.00	0.800
Magnesium	04/04/03	2400	NLE	1000	11.00
Manganese	04/04/03	26.4	50	5.00	0.900
Mercury	04/04/03	ND	2	0500	0.150
Nickel	04/04/03	ND	100	5.00	0.700
Potassium	04/04/03	4290	NLE	1000	25.00
Selenium	04/04/03	ND	50	20.00	4.80
Silver	04/04/03	ND	20	5.00	0.600
Sodium	04/04/03	3900	50000	5000	1160
Thallium	04/04/03	ND	10	10.00	1.90
Vanadium	04/04/03	0.319	NLE	5.00	0.200
Zinc	04/04/03	4.10	5000	50.00	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 #: 3012801
Sample Received: 03/20/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW06

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	03/24/03	32.1	200	200	21.8
Antimony	03/24/03	ND	20	20.00	3.70
Arsenic	03/24/03	ND	8	5.00	2.30
Barium	03/24/03	147	2000	5.00	0.500
Beryllium	03/24/03	0.077	20	0.500	0.020
Cadmium	03/24/03	0.713	4	2.00	0.400
Calcium	03/24/03	56600	NLE	1000	65.00
Chromium	03/24/03	ND	100	5.00	1.00
Cobalt	03/24/03	ND	NLE	2.00	0.300
Copper	03/24/03	ND	1000	5.00	0.300
Iron	03/24/03	22700	300	500	78.00
Lead	03/24/03	ND	10	5.00	0.800
Magnesium	03/24/03	6600	NLE	1000	11.00
Manganese	03/24/03	297	50	5.00	0.900
Mercury	03/28/03	ND	2	0500	0.150
Nickel	03/24/03	ND	100	5.00	0.700
Potassium	03/24/03	5210	NLE	1000	25.00
Selenium	03/24/03	ND	50	20.00	4.80
Silver	03/24/03	ND	20	5.00	0.600
Sodium	03/24/03	7930	50000	5000	1160
Thallium	03/24/03	ND	10	10.00	1.90
Vanadium	03/24/03	0.283	NLE	5.00	0.200
Zinc	03/24/03	6.81	5000	50.00	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 #: 3013510
Sample Received: 03/25/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW07

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

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	04/04/03	27.8	200	200	21.8
Antimony	04/04/03	ND	20	20.00	3.70
Arsenic	04/04/03	ND	8	5.00	2.30
Barium	04/04/03	111	2000	5.00	0.500
Beryllium	04/04/03	0.0737	20	0.500	0.020
Cadmium	04/04/03	ND	4	2.00	0.400
Calcium	04/04/03	47800	NLE	1000	65.00
Chromium	04/04/03	ND	100	5.00	1.00
Cobalt	04/04/03	ND	NLE	2.00	0.300
Copper	04/04/03	ND	1000	5.00	0.300
Iron	04/04/03	22900	300	500	78.00
Lead	04/04/03	ND	10	5.00	0.800
Magnesium	04/04/03	5040	NLE	1000	11.00
Manganese	04/04/03	53.3	50	5.00	0.900
Mercury	04/04/03	ND	2	0500	0.150
Nickel	04/04/03	ND	100	5.00	0.700
Potassium	04/04/03	4080	NLE	1000	25.00
Selenium	04/04/03	ND	50	20.00	4.80
Silver	04/04/03	ND	20	5.00	0.600
Sodium	04/04/03	6550	50000	5000	1160
Thallium	04/04/03	ND	10	10.00	1.90
Vanadium	04/04/03	0.366	NLE	5.00	0.200
Zinc	04/04/03	16.4	5000	50.00	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 #: 3013515
Sample Received: 03/25/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW08

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

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	04/04/03	48.4	200	200	21.8
Antimony	04/04/03	ND	20	20.00	3.70
Arsenic	04/04/03	ND	8	5.00	2.30
Barium	04/04/03	45.4	2000	5.00	0.500
Beryllium	04/04/03	0.0767	20	0.500	0.020
Cadmium	04/04/03	ND	4	2.00	0.400
Calcium	04/04/03	34300	NLE	1000	65.00
Chromium	04/04/03	ND	100	5.00	1.00
Cobalt	04/04/03	ND	NLE	2.00	0.300
Copper	04/04/03	0.663	1000	5.00	0.300
Iron	04/04/03	3250	300	500	78.00
Lead	04/04/03	ND	10	5.00	0.800
Magnesium	04/04/03	4530	NLE	1000	11.00
Manganese	04/04/03	36.6	50	5.00	0.900
Mercury	04/04/03	ND	2	0500	0.150
Nickel	04/04/03	ND	100	5.00	0.700
Potassium	04/04/03	5860	NLE	1000	25.00
Selenium	04/04/03	ND	50	20.00	4.80
Silver	04/04/03	ND	20	5.00	0.600
Sodium	04/04/03	8120	50000	5000	1160
Thallium	04/04/03	ND	10	10.00	1.90
Vanadium	04/04/03	0.283	NLE	5.00	0.200
Zinc	04/04/03	13.3	5000	50.00	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 #: 3012802
Sample Received: 03/20/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW09

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	03/24/03	487	200	200	21.8
Antimony	03/24/03	ND	20	20.00	3.70
Arsenic	03/24/03	ND	8	5.00	2.30
Barium	03/24/03	114	2000	5.00	0.500
Beryllium	03/24/03	0.336	20	0.500	0.020
Cadmium	03/24/03	0.813	4	2.00	0.400
Calcium	03/24/03	53800	NLE	1000	65.00
Chromium	03/24/03	2.65	100	5.00	1.00
Cobalt	03/24/03	ND	NLE	2.00	0.300
Copper	03/24/03	0.967	1000	5.00	0.300
Iron	03/24/03	10400	300	500	78.00
Lead	03/24/03	3.21	10	5.00	0.800
Magnesium	03/24/03	4700	NLE	1000	11.00
Manganese	03/24/03	870	50	5.00	0.900
Mercury	03/28/03	ND	2	0500	0.150
Nickel	03/24/03	1.29	100	5.00	0.700
Potassium	03/24/03	5460	NLE	1000	25.00
Selenium	03/24/03	5.81	50	20.00	4.80
Silver	03/24/03	ND	20	5.00	0.600
Sodium	03/24/03	6870	50000	5000	1160
Thallium	03/24/03	ND	10	10.00	1.90
Vanadium	03/24/03	3.01	NLE	5.00	0.200
Zinc	03/24/03	134	5000	50.00	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 #: 3013518
Sample Received: 03/25/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW10

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

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	04/04/03	60.4	200	200	21.8
Antimony	04/04/03	ND	20	20.00	3.70
Arsenic	04/04/03	ND	8	5.00	2.30
Barium	04/04/03	53.6	2000	5.00	0.500
Beryllium	04/04/03	0.0700	20	0.500	0.020
Cadmium	04/04/03	ND	4	2.00	0.400
Calcium	04/04/03	45100	NLE	1000	65.00
Chromium	04/04/03	1.71	100	5.00	1.00
Cobalt	04/04/03	1.88	NLE	2.00	0.300
Copper	04/04/03	0.946	1000	5.00	0.300
Iron	04/04/03	1350	300	500	78.00
Lead	04/04/03	ND	10	5.00	0.800
Magnesium	04/04/03	3380	NLE	1000	11.00
Manganese	04/04/03	33.0	50	5.00	0.900
Mercury	04/04/03	ND	2	0500	0.150
Nickel	04/04/03	ND	100	5.00	0.700
Potassium	04/04/03	4970	NLE	1000	25.00
Selenium	04/04/03	7.16	50	20.00	4.80
Silver	04/04/03	ND	20	5.00	0.600
Sodium	04/04/03	8200	50000	5000	1160
Thallium	04/04/03	ND	10	10.00	1.90
Vanadium	04/04/03	0.651	NLE	5.00	0.200
Zinc	04/04/03	23.6	5000	50.00	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 #: 3013710
Sample Received: 03/26/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW11

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	04/03/03	99.2	200	200	21.8
Antimony	04/03/03	ND	20	20.00	3.70
Arsenic	04/03/03	ND	8	5.00	2.30
Barium	04/03/03	29.6	2000	5.00	0.500
Beryllium	04/03/03	ND	20	0.500	0.020
Cadmium	04/03/03	ND	4	2.00	0.400
Calcium	04/03/03	35500	NLE	1000	65.00
Chromium	04/03/03	ND	100	5.00	1.00
Cobalt	04/03/03	ND	NLE	2.00	0.300
Copper	04/03/03	2.12	1000	5.00	0.300
Iron	04/03/03	308	300	500	78.00
Lead	04/03/03	4.51	10	5.00	0.800
Magnesium	04/03/03	3770	NLE	1000	11.00
Manganese	04/03/03	14.0	50	5.00	0.900
Mercury	04/11/03	ND	2	0.500	0.150
Nickel	04/03/03	ND	100	5.00	0.700
Potassium	04/03/03	5050	NLE	1000	25.00
Selenium	04/03/03	5.70	50	20.00	4.80
Silver	04/03/03	ND	20	5.00	0.600
Sodium	04/04/03	2870	50000	5000	1160
Thallium	04/03/03	ND	10	10.00	1.90
Vanadium	04/03/03	0.329	NLE	5.00	0.200
Zinc	04/03/03	47.3	5000	50.00	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 #: 3013707
Sample Received: 03/26/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW12

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	04/03/03	110	200	200	21.8
Antimony	04/03/03	ND	20	20.00	3.70
Arsenic	04/03/03	ND	8	5.00	2.30
Barium	04/03/03	31.8	2000	5.00	0.500
Beryllium	04/03/03	ND	20	0.500	0.020
Cadmium	04/03/03	0.700	4	2.00	0.400
Calcium	04/03/03	35200	NLE	1000	65.00
Chromium	04/03/03	2.00	100	5.00	1.00
Cobalt	04/03/03	ND	NLE	2.00	0.300
Copper	04/03/03	3.00	1000	5.00	0.300
Iron	04/03/03	676	300	500	78.00
Lead	04/03/03	2.00	10	5.00	0.800
Magnesium	04/03/03	3980	NLE	1000	11.00
Manganese	04/03/03	20.1	50	5.00	0.900
Mercury	04/11/03	ND	2	0.500	0.150
Nickel	04/03/03	ND	100	5.00	0.700
Potassium	04/03/03	5400	NLE	1000	25.00
Selenium	04/03/03	ND	50	20.00	4.80
Silver	04/03/03	ND	20	5.00	0.600
Sodium	04/03/03	2790	50000	5000	1160
Thallium	04/03/03	ND	10	10.00	1.90
Vanadium	04/03/03	0.400	NLE	5.00	0.200
Zinc	04/03/03	17.0	5000	50.00	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 #: 3013706
Sample Received: 03/26/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW13

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	04/03/03	185	200	200	21.8
Antimony	04/03/03	ND	20	20.00	3.70
Arsenic	04/03/03	8.04	8	5.00	2.30
Barium	04/03/03	804	2000	5.00	0.500
Beryllium	04/03/03	0.113	20	0.500	0.020
Cadmium	04/03/03	1.28	4	2.00	0.400
Calcium	04/03/03	26700	NLE	1000	65.00
Chromium	04/03/03	1.56	100	5.00	1.00
Cobalt	04/03/03	ND	NLE	2.00	0.300
Copper	04/03/03	ND	1000	5.00	0.300
Iron	04/03/03	77100	300	500	78.00
Lead	04/03/03	1.74	10	5.00	0.800
Magnesium	04/03/03	2640	NLE	1000	11.00
Manganese	04/03/03	134	50	5.00	0.900
Mercury	04/11/03	ND	2	0.500	0.150
Nickel	04/03/03	ND	100	5.00	0.700
Potassium	04/03/03	6710	NLE	1000	25.00
Selenium	04/03/03	ND	50	20.00	4.80
Silver	04/03/03	ND	20	5.00	0.600
Sodium	04/03/03	10900	50000	5000	1160
Thallium	04/03/03	ND	10	10.00	1.90
Vanadium	04/03/03	0.968	NLE	5.00	0.200
Zinc	04/03/03	10.5	5000	50.00	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.

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: M2 Wells
Field ID: M2 MW14
Lab ID: 3013705
Filename: 00884.D
Lab Project : 30137

Location: M2 Wells, 1st Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 033103
Date Extracted: 3/31/03
Date Analyzed: 1 Apr 2003 5:54 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	0.20		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	0.003	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.

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 #: 3013705
Sample Received: 03/21/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW14

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	04/03/03	152	200	200	21.8
Antimony	04/03/03	ND	20	20.00	3.70
Arsenic	04/03/03	5.46	8	5.00	2.30
Barium	04/03/03	33.1	2000	5.00	0.500
Beryllium	04/03/03	0.051	20	0.500	0.020
Cadmium	04/03/03	0.912	4	2.00	0.400
Calcium	04/03/03	12600	NLE	1000	65.00
Chromium	04/03/03	3.34	100	5.00	1.00
Cobalt	04/03/03	ND	NLE	2.00	0.300
Copper	04/03/03	0.589	1000	5.00	0.300
Iron	04/03/03	36900	300	500	78.00
Lead	04/03/03	2.31	10	5.00	0.800
Magnesium	04/03/03	5330	NLE	1000	11.00
Manganese	04/03/03	247	50	5.00	0.900
Mercury	04/11/03	ND	2	0.500	0.150
Nickel	04/03/03	ND	100	5.00	0.700
Potassium	04/03/03	1190	NLE	1000	25.00
Selenium	04/03/03	ND	50	20.00	4.80
Silver	04/03/03	ND	20	5.00	0.600
Sodium	04/04/03	15600	50000	5000	1160
Thallium	04/03/03	ND	10	10.00	1.90
Vanadium	04/03/03	3.01	NLE	5.00	0.200
Zinc	04/03/03	4.49	5000	50.00	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 #: 3013517
Sample Received: 03/25/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW15

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

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	04/04/03	98.7	200	200	21.8
Antimony	04/04/03	ND	20	20.00	3.70
Arsenic	04/04/03	ND	8	5.00	2.30
Barium	04/04/03	35.2	2000	5.00	0.500
Beryllium	04/04/03	0.399	20	0.500	0.020
Cadmium	04/04/03	ND	4	2.00	0.400
Calcium	04/04/03	17600	NLE	1000	65.00
Chromium	04/04/03	ND	100	5.00	1.00
Cobalt	04/04/03	1.96	NLE	2.00	0.300
Copper	04/04/03	0.897	1000	5.00	0.300
Iron	04/04/03	278	300	500	78.00
Lead	04/04/03	ND	10	5.00	0.800
Magnesium	04/04/03	5100	NLE	1000	11.00
Manganese	04/04/03	48.7	50	5.00	0.900
Mercury	04/04/03	ND	2	0500	0.150
Nickel	04/04/03	5.83	100	5.00	0.700
Potassium	04/04/03	1490	NLE	1000	25.00
Selenium	04/04/03	ND	50	20.00	4.80
Silver	04/04/03	ND	20	5.00	0.600
Sodium	04/04/03	12200	50000	5000	1160
Thallium	04/04/03	ND	10	10.00	1.90
Vanadium	04/04/03	0.344	NLE	5.00	0.200
Zinc	04/04/03	57.0	5000	50.00	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 #: 3013514
Sample Received: 03/25/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW16

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

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	04/04/03	49.7	200	200	21.8
Antimony	04/04/03	ND	20	20.00	3.70
Arsenic	04/04/03	ND	8	5.00	2.30
Barium	04/04/03	51.2	2000	5.00	0.500
Beryllium	04/04/03	0.0891	20	0.500	0.020
Cadmium	04/04/03	3.51	4	2.00	0.400
Calcium	04/04/03	25600	NLE	1000	65.00
Chromium	04/04/03	ND	100	5.00	1.00
Cobalt	04/04/03	0.958	NLE	2.00	0.300
Copper	04/04/03	32.7	1000	5.00	0.300
Iron	04/04/03	201	300	500	78.00
Lead	04/04/03	3.31	10	5.00	0.800
Magnesium	04/04/03	3220	NLE	1000	11.00
Manganese	04/04/03	141	50	5.00	0.900
Mercury	04/04/03	ND	2	0500	0.150
Nickel	04/04/03	15.0	100	5.00	0.700
Potassium	04/04/03	2010	NLE	1000	25.00
Selenium	04/04/03	7.16	50	20.00	4.80
Silver	04/04/03	ND	20	5.00	0.600
Sodium	04/04/03	10400	50000	5000	1160
Thallium	04/04/03	ND	10	10.00	1.90
Vanadium	04/04/03	0.224	NLE	5.00	0.200
Zinc	04/04/03	549	5000	50.00	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 #: 3013508
Sample Received: 03/25/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW17

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

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	04/04/03	237	200	200	21.8
Antimony	04/04/03	ND	20	20.00	3.70
Arsenic	04/04/03	ND	8	5.00	2.30
Barium	04/04/03	38.2	2000	5.00	0.500
Beryllium	04/04/03	0.123	20	0.500	0.020
Cadmium	04/04/03	ND	4	2.00	0.400
Calcium	04/04/03	11800	NLE	1000	65.00
Chromium	04/04/03	1.39	100	5.00	1.00
Cobalt	04/04/03	1.03	NLE	2.00	0.300
Copper	04/04/03	3.31	1000	5.00	0.300
Iron	04/04/03	116	300	500	78.00
Lead	04/04/03	ND	10	5.00	0.800
Magnesium	04/04/03	1700	NLE	1000	11.00
Manganese	04/04/03	23.3	50	5.00	0.900
Mercury	04/04/03	ND	2	0500	0.150
Nickel	04/04/03	4.24	100	5.00	0.700
Potassium	04/04/03	2670	NLE	1000	25.00
Selenium	04/04/03	5.34	50	20.00	4.80
Silver	04/04/03	ND	20	5.00	0.600
Sodium	04/04/03	3690	50000	5000	1160
Thallium	04/04/03	ND	10	10.00	1.90
Vanadium	04/04/03	0.687	NLE	5.00	0.200
Zinc	04/04/03	232	5000	50.00	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 #: 3013507
Sample Received: 03/25/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW18

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

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	04/04/03	37.9	200	200	21.8
Antimony	04/04/03	ND	20	20.00	3.70
Arsenic	04/04/03	ND	8	5.00	2.30
Barium	04/04/03	79.0	2000	5.00	0.500
Beryllium	04/04/03	0.0350	20	0.500	0.020
Cadmium	04/04/03	ND	4	2.00	0.400
Calcium	04/04/03	23700	NLE	1000	65.00
Chromium	04/04/03	ND	100	5.00	1.00
Cobalt	04/04/03	ND	NLE	2.00	0.300
Copper	04/04/03	1.21	1000	5.00	0.300
Iron	04/04/03	6180	300	500	78.00
Lead	04/04/03	ND	10	5.00	0.800
Magnesium	04/04/03	3650	NLE	1000	11.00
Manganese	04/04/03	69.1	50	5.00	0.900
Mercury	04/04/03	ND	2	0500	0.150
Nickel	04/04/03	2.48	100	5.00	0.700
Potassium	04/04/03	5320	NLE	1000	25.00
Selenium	04/04/03	ND	50	20.00	4.80
Silver	04/04/03	ND	20	5.00	0.600
Sodium	04/04/03	4330	50000	5000	1160
Thallium	04/04/03	ND	10	10.00	1.90
Vanadium	04/04/03	0.346	NLE	5.00	0.200
Zinc	04/04/03	45.6	5000	50.00	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 #: 3013513
Sample Received: 03/25/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW19

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

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	04/04/03	44.5	200	200	21.8
Antimony	04/04/03	ND	20	20.00	3.70
Arsenic	04/04/03	ND	8	5.00	2.30
Barium	04/04/03	27.2	2000	5.00	0.500
Beryllium	04/04/03	0.0769	20	0.500	0.020
Cadmium	04/04/03	ND	4	2.00	0.400
Calcium	04/04/03	34500	NLE	1000	65.00
Chromium	04/04/03	ND	100	5.00	1.00
Cobalt	04/04/03	ND	NLE	2.00	0.300
Copper	04/04/03	ND	1000	5.00	0.300
Iron	04/04/03	92.6	300	500	78.00
Lead	04/04/03	ND	10	5.00	0.800
Magnesium	04/04/03	3180	NLE	1000	11.00
Manganese	04/04/03	7.30	50	5.00	0.900
Mercury	04/04/03	ND	2	0500	0.150
Nickel	04/04/03	ND	100	5.00	0.700
Potassium	04/04/03	4470	NLE	1000	25.00
Selenium	04/04/03	ND	50	20.00	4.80
Silver	04/04/03	ND	20	5.00	0.600
Sodium	04/04/03	3340	50000	5000	1160
Thallium	04/04/03	ND	10	10.00	1.90
Vanadium	04/04/03	0.288	NLE	5.00	0.200
Zinc	04/04/03	12.0	5000	50.00	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 #: 3013509
Sample Received: 03/25/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW20

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

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	04/04/03	ND	200	200	21.8
Antimony	04/04/03	ND	20	20.00	3.70
Arsenic	04/04/03	ND	8	5.00	2.30
Barium	04/04/03	25.0	2000	5.00	0.500
Beryllium	04/04/03	0.0537	20	0.500	0.020
Cadmium	04/04/03	ND	4	2.00	0.400
Calcium	04/04/03	31100	NLE	1000	65.00
Chromium	04/04/03	ND	100	5.00	1.00
Cobalt	04/04/03	ND	NLE	2.00	0.300
Copper	04/04/03	ND	1000	5.00	0.300
Iron	04/04/03	272	300	500	78.00
Lead	04/04/03	ND	10	5.00	0.800
Magnesium	04/04/03	3380	NLE	1000	11.00
Manganese	04/04/03	18.0	50	5.00	0.900
Mercury	04/04/03	ND	2	0500	0.150
Nickel	04/04/03	ND	100	5.00	0.700
Potassium	04/04/03	4190	NLE	1000	25.00
Selenium	04/04/03	5.65	50	20.00	4.80
Silver	04/04/03	ND	20	5.00	0.600
Sodium	04/04/03	2370	50000	5000	1160
Thallium	04/04/03	ND	10	10.00	1.90
Vanadium	04/04/03	ND	NLE	5.00	0.200
Zinc	04/04/03	2.71	5000	50.00	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 #: 3013511
Sample Received: 03/25/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW21

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

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	04/04/03	79.0	200	200	21.8
Antimony	04/04/03	ND	20	20.00	3.70
Arsenic	04/04/03	ND	8	5.00	2.30
Barium	04/04/03	259	2000	5.00	0.500
Beryllium	04/04/03	0.108	20	0.500	0.020
Cadmium	04/04/03	0.475	4	2.00	0.400
Calcium	04/04/03	75500	NLE	1000	65.00
Chromium	04/04/03	1.67	100	5.00	1.00
Cobalt	04/04/03	ND	NLE	2.00	0.300
Copper	04/04/03	1.30	1000	5.00	0.300
Iron	04/04/03	34000	300	500	78.00
Lead	04/04/03	1.54	10	5.00	0.800
Magnesium	04/04/03	5330	NLE	1000	11.00
Manganese	04/04/03	415	50	5.00	0.900
Mercury	04/04/03	ND	2	0500	0.150
Nickel	04/04/03	1.95	100	5.00	0.700
Potassium	04/04/03	2850	NLE	1000	25.00
Selenium	04/04/03	ND	50	20.00	4.80
Silver	04/04/03	ND	20	5.00	0.600
Sodium	04/04/03	13200	50000	5000	1160
Thallium	04/04/03	ND	10	10.00	1.90
Vanadium	04/04/03	0.763	NLE	5.00	0.200
Zinc	04/04/03	26.4	5000	50.00	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 #: 3013506
Sample Received: 03/25/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW22

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

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	04/04/03	53.9	200	200	21.8
Antimony	04/04/03	ND	20	20.00	3.70
Arsenic	04/04/03	ND	8	5.00	2.30
Barium	04/04/03	69.6	2000	5.00	0.500
Beryllium	04/04/03	0.0382	20	0.500	0.020
Cadmium	04/04/03	0.492	4	2.00	0.400
Calcium	04/04/03	35200	NLE	1000	65.00
Chromium	04/04/03	1.51	100	5.00	1.00
Cobalt	04/04/03	ND	NLE	2.00	0.300
Copper	04/04/03	1.34	1000	5.00	0.300
Iron	04/04/03	17200	300	500	78.00
Lead	04/04/03	ND	10	5.00	0.800
Magnesium	04/04/03	5500	NLE	1000	11.00
Manganese	04/04/03	82.5	50	5.00	0.900
Mercury	04/04/03	ND	2	0500	0.150
Nickel	04/04/03	ND	100	5.00	0.700
Potassium	04/04/03	6340	NLE	1000	25.00
Selenium	04/04/03	ND	50	20.00	4.80
Silver	04/04/03	2.28	20	5.00	0.600
Sodium	04/04/03	8450	50000	5000	1160
Thallium	04/04/03	ND	10	10.00	1.90
Vanadium	04/04/03	0.362	NLE	5.00	0.200
Zinc	04/04/03	16.4	5000	50.00	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 #: 3013512
Sample Received: 03/25/03
Sample Matrix: Aqueous

Site: M2
Ft. Monmouth, New Jersey

Field ID#: M2MW24

Method of Analysis: Std. Methods 18th, Method 3120B, 3112B
Method of Digestion: E.P.A SW-846, Method 3015A

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	04/04/03	39.1	200	200	21.8
Antimony	04/04/03	ND	20	20.00	3.70
Arsenic	04/04/03	ND	8	5.00	2.30
Barium	04/04/03	283	2000	5.00	0.500
Beryllium	04/04/03	0.0550	20	0.500	0.020
Cadmium	04/04/03	0.614	4	2.00	0.400
Calcium	04/04/03	56700	NLE	1000	65.00
Chromium	04/04/03	ND	100	5.00	1.00
Cobalt	04/04/03	ND	NLE	2.00	0.300
Copper	04/04/03	ND	1000	5.00	0.300
Iron	04/04/03	45700	300	500	78.00
Lead	04/04/03	0.974	10	5.00	0.800
Magnesium	04/04/03	4930	NLE	1000	11.00
Manganese	04/04/03	660	50	5.00	0.900
Mercury	04/04/03	ND	2	0500	0.150
Nickel	04/04/03	ND	100	5.00	0.700
Potassium	04/04/03	2760	NLE	1000	25.00
Selenium	04/04/03	ND	50	20.00	4.80
Silver	04/04/03	ND	20	5.00	0.600
Sodium	04/04/03	8540	50000	5000	1160
Thallium	04/04/03	ND	10	10.00	1.90
Vanadium	04/04/03	0.544	NLE	5.00	0.200
Zinc	04/04/03	8.93	5000	50.00	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.

	Lab	Aluminum	Iron	Manganese	Lead	Cadmium	Potassium	Sodium	Zinc	Depth to Water	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	200	300	50	10	4	NLE	50000	5000	-	-
05/02/1997	FMETL	360	100	150	ND	-	-	-	-	5.60	V,S,P,M
08/06/1997	FMETL	236.3	400	128	ND	-	-	-	-	8.15	V,S,P,M
10/23/1997	FMETL	344	488	78	11	1.6	5020	9040	646	9.30	V,S,P,M
02/11/1998	FMETL	578	500	120	ND	3.5	5520	9290	1917	5.15	V,S,P,M
04/23/1998	FMETL	239	233	73.1	ND	2.5	5217	6370	785	4.61	V,S,P,M
07/22/1998	FMETL	2480	7790	83.6	ND	2.5	8610	10500	640	7.12	V,S,P,M
11/06/1998	FMETL	402	1480	84.1	6.95	6.23	5490	11000	1410	9.55	V,S,P,M
02/03/1999	FMETL	ND	1390	133	ND	3.27	6280	15500	2150	7.02	V,S,P,M
06/15/1999	FMETL	561	698	84.3	ND	1.56	5980	12800	941	7.64	V,S,P,M
07/20/1999	FMETL	762	2420	94.4	ND	1.94	5820	12800	1310	8.53	V,S,P,M
10/07/1999	FMETL	393	3170	83.5	4.10	1.53	6200	11400	836	7.97	V,S,P,M
03/07/2000	FMETL	840	1160	137	ND	3.31	5500	13900	2030	6.99	V,S,P,M
06/27/2000	FMETL	255	148	82.4	ND	1.72	5200	11000	1290	7.11	V,S,P,M
09/27/2000	FMETL	307	791	64.5	33.5	0.895	5860	9700	863	6.81	V,S,P,M
09/27/2000D	FMETL	320	732	62.2	5.74	0.790	5820	9760	578	6.81	V,S,P,M
12/20/2000	FMETL	567	1920	73.9	ND	1.45	4930	9610	1020	7.59	V,S,P,M
12/20/2000D	FMETL	550	2130	73.8	ND	1.30	4930	9540	1010	7.59	V,S,P,M
03/29/2001	FMETL	50.0	290	60.8	1.00	1.60	2940	2400	820	4.81	V,S,P,M
06/27/2001	FMETL	ND	293	74.2	ND	1.78	5360	6760	1080	4.93	V,S,P,M
09/27/2001	FMETL	282	132	63.3	ND	1.25	4140	4800	842	9.12	V,S,P,M
12/14/2001	FMETL	364	799	71.9	8.46	1.28	5130	5320	581	9.96	V,S,P,M
03/27/2002	FMETL	472	91.3	125	ND	2.95	5590	ND	2630	8.30	V,S,P,M
06/20/2002	FMETL	643	710	104	ND	2.36	5760	4040	1440	8.62	V,S,P,M
09/24/2002	FMETL	1380	4930	82.7	1.85	1.88	6290	ND	1010	9.01	V,S,P,M
12/30/2002	FMETL	286	143	63.5	ND	1.40	3810	3820	655	4.67	V,S,P,M
03/26/2003	FMETL	216	187	35.5	2.12	1.02	2730	3210	429	4.56	V,S,P,M

SOURCE: 00M2MW01

Sampling Dates:
05/02/1997 - 03/26/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 1 of 24

U.S.ARMY
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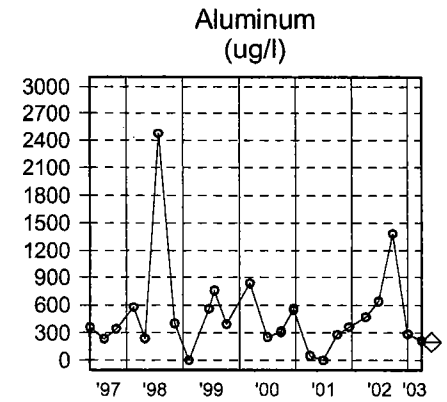

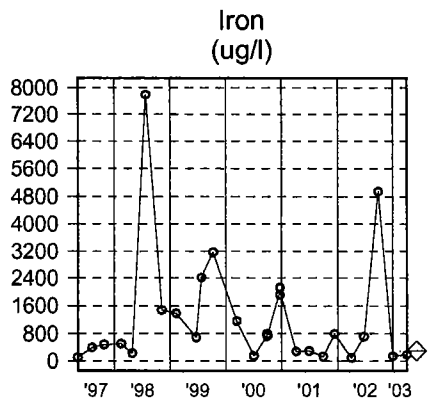

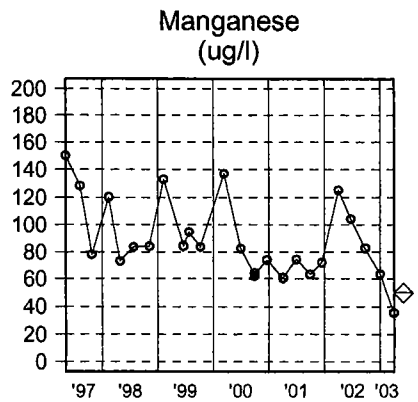

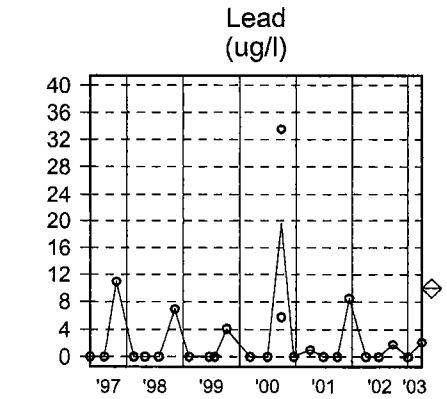

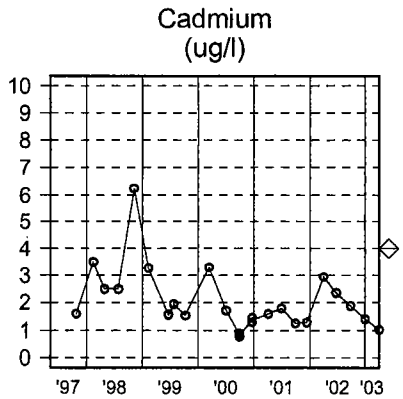

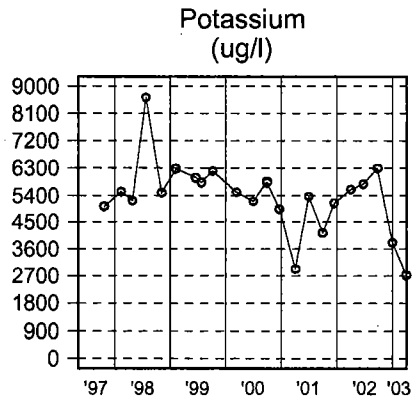

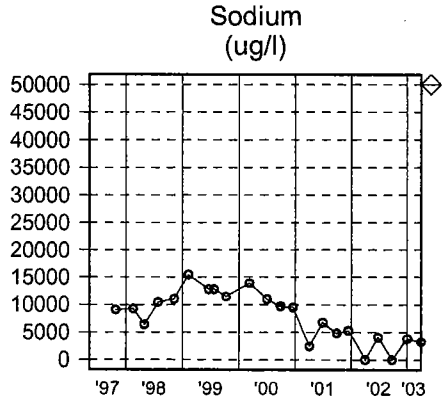

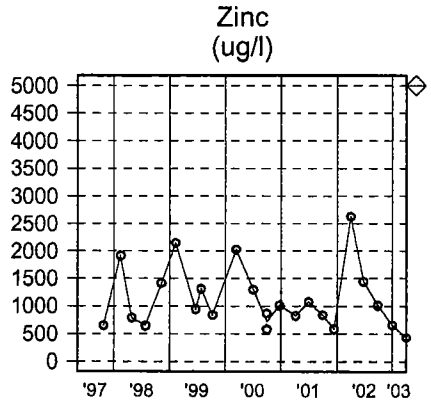

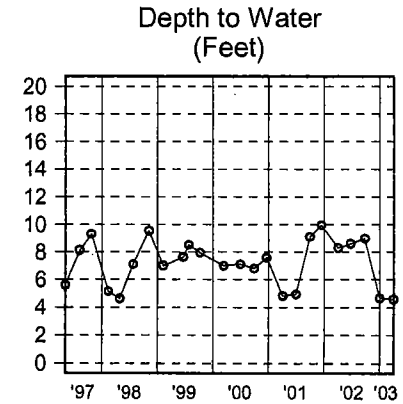

SOURCE: 00M2MW01

Sampling Dates:
05/02/1997 - 03/26/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 1 of 24, Graph

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05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Cadmium	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:	-	1	4	200	300	50	10	4	50000	-	-
05/08/1997	FMETL	ND	18	49	35000	260	ND	-	-	7.80	V,S,P,M
08/06/1997	FMETL	1.36	18.56	51.7	82680	474	ND	-	-	10.60	V,S,P,M
10/23/1997	FMETL	ND	10.9	107	16200	145	7.0	ND	7820	10.90	V,S,P,M
02/11/1998	FMETL	ND	7.39	129	22500	157	ND	ND	7130	9.80	V,S,P,M
04/23/1998	FMETL	3.12	24.07	108	76160	282	ND	1.1	11880	9.84	V,S,P,M
07/22/1998	FMETL	6.44	36.51	44.7	26800	290	ND	ND	12600	10.64	V,S,P,M
11/06/1998	FMETL	2.73	44	48.2	33700	262	ND	0.913	9910	10.73	V,S,P,M
02/03/1999	FMETL	5.84	37.3	ND	50800	456	ND	ND	17700	10.02	V,S,P,M
06/15/1999	FMETL	4.70	22.3	ND	17000	254	ND	0.968	15500	10.67	V,S,P,M
07/20/1999	FMETL	4.39	23.13	29.4	13200	196	3.61	0.737	13600	10.77	V,S,P,M
10/07/1999	FMETL	1.88	37.17	ND	31400	249	ND	1.66	9500	10.64	V,S,P,M
03/07/2000	FMETL	5.86	69.55	75.5	46200	445	2.39	ND	8660	10.41	V,S,P,M
06/27/2000	FMETL	ND	31.22	ND	53900	352	ND	ND	9380	11.21	V,S,P,M
06/27/2000D	FMETL	ND	29.96	ND	55400	359	ND	ND	9390	11.21	V,S,P,M
09/25/2000	FMETL	ND	23.98	ND	15400	128	2.70	ND	7870	9.97	V,S,P,M
12/26/2000	FMETL	ND	31.06	ND	34400	223	ND	ND	8090	10.36	V,S,P,M
03/28/2001	FMETL	ND	26.97	ND	50200	327	8.00	5.10	8000	9.82	V,S,P,M
03/28/2001D	FMETL	ND	25.00	20.0	53000	329	9.00	5.30	8200	9.82	V,S,P,M
06/27/2001	FMETL	1.75	55.69	ND	11500	531	ND	ND	11400	9.77	V,S,P,M
09/26/2001	FMETL	1.08	57.62	ND	37800	553	ND	ND	10700	10.62	V,S,P,M
12/20/2001	FMETL	ND	7.05	ND	23300	185	ND	ND	9380	10.88	V,S,P,M
03/26/2002	FMETL	1.33	60.33	3000	27200	126	12.8	1.68	9410	10.15	V,S,P,M
06/19/2002	FMETL	ND	47.92	ND	99300	509	3.63	ND	10500	10.42	V,S,P,M
09/24/2002	FMETL	ND	41.55	27.1	55900	325	2.31	0.833	9410	10.70	V,S,P,M
12/30/2002	FMETL	ND	9.64	ND	25300	178	ND	ND	8060	9.86	V,S,P,M
03/26/2003	FMETL	1.74	40.14	59.6	29900	403	1.08	0.467	6580	9.20	V,S,P,M

SOURCE: 00M2MW02

Sampling Dates:
05/08/1997 - 03/26/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 2 of 24

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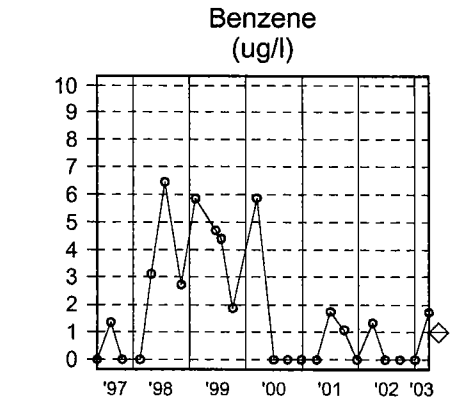
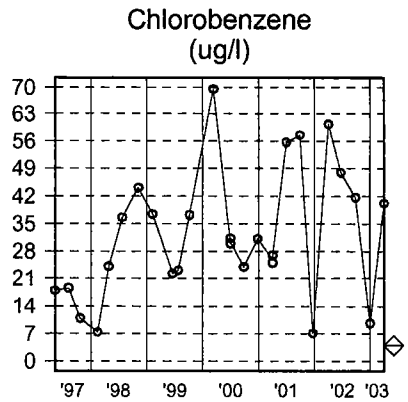
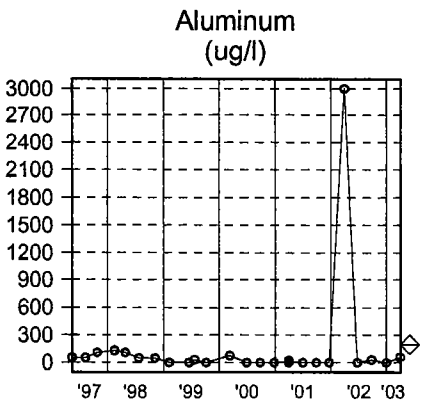
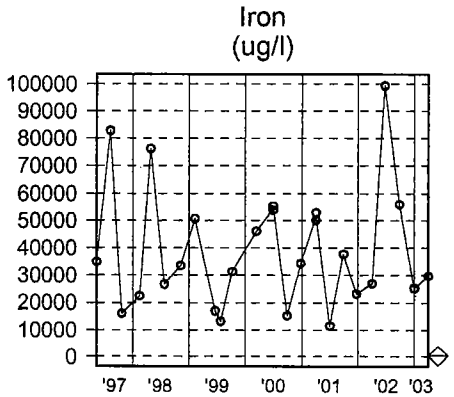
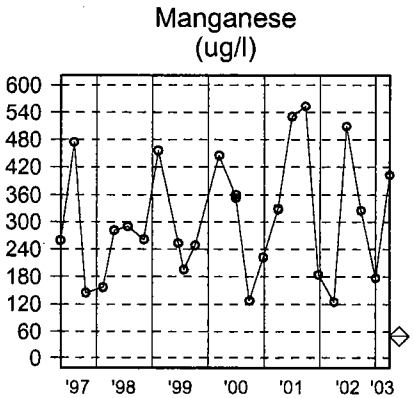
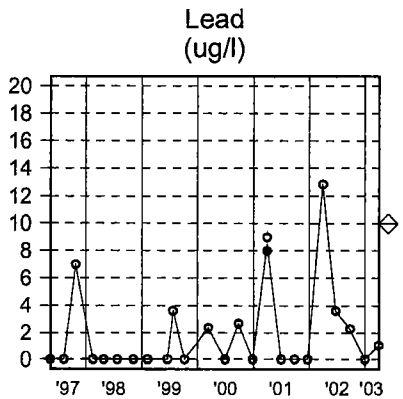


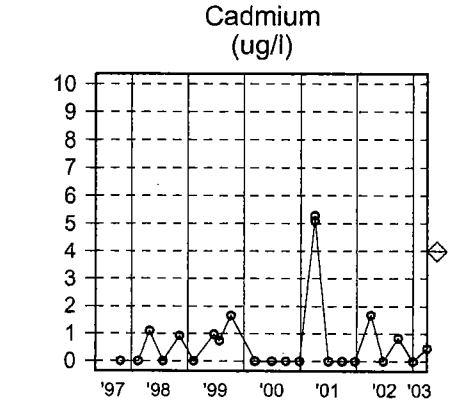


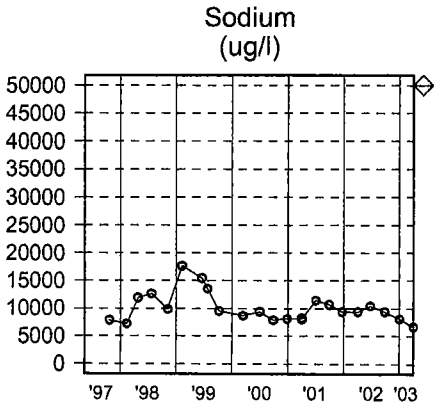


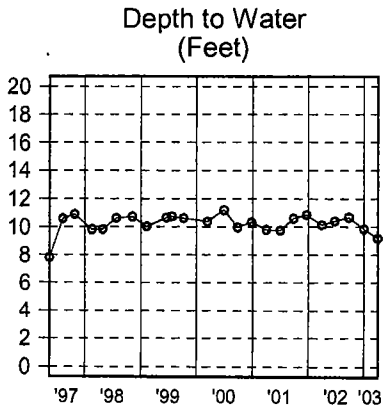












SOURCE: 00M2MW02

Sampling Dates:
05/08/1997 - 03/26/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 2 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Cadmium	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:	-	1	4	200	300	50	10	4	50000	-	-
05/02/1997	FMETL	ND	4.69	62	12200	500	ND	-	-	7.80	V,S,P,M
08/06/1997	FMETL	ND	1.49	26	9300	511	ND	-	-	8.20	V,S,P,M
10/23/1997	FMETL	1.31	17.7	145	10010	427	13	ND	10300	8.60	V,S,P,M
02/11/1998	FMETL	3.78	78.8	256	39970	513	ND	ND	18180	7.40	V,S,P,M
04/23/1998	FMETL	4.26	107.81	58	69260	516	2.8	ND	11200	7.83	V,S,P,M
07/22/1998	FMETL	ND	10.51	28.5	14500	395	ND	ND	11600	6.67	V,S,P,M
11/06/1998	FMETL	1.78	11.9	66.3	13700	586	2.83	ND	28600	8.39	V,S,P,M
02/03/1999	FMETL	ND	7.14	531	16500	407	5.02	2.83	15800	7.28	V,S,P,M
06/15/1999	FMETL	ND	4.29	25	13500	412	ND	0.845	10200	8.71	V,S,P,M
07/20/1999	FMETL	ND	3.68	18.6	16600	464	5.31	0.928	9860	8.61	V,S,P,M
10/07/1999	FMETL	1.59	11.20	12.4	13000	475	ND	1.08	13500	8.41	V,S,P,M
03/07/2000	FMETL	ND	3.42	47.6	11400	495	5.83	ND	6860	8.16	V,S,P,M
06/27/2000	FMETL	ND	ND	ND	7990	423	3.44	ND	8140	8.04	V,S,P,M
09/28/2000	FMETL	ND	ND	45.9	8990	424	ND	ND	9900	7.97	V,S,P,M
12/20/2000	FMETL	ND	3.19	ND	9390	440	ND	ND	11400	7.91	V,S,P,M
03/29/2001	FMETL	1.39	23.26	ND	29700	571	38.0	3.60	14500	7.42	V,S,P,M
06/27/2001	FMETL	1.90	60.9	ND	22000	266	ND	1.01	12300	7.57	V,S,P,M
09/27/2001	FMETL	ND	5.95	ND	11800	333	ND	ND	8360	8.57	V,S,P,M
12/14/2001	FMETL	ND	3.10	90.0	7770	305	4.62	ND	11400	8.63	V,S,P,M
03/27/2002	FMETL	ND	ND	ND	122000	674	5.53	2.16	11000	6.88	V,S,P,M
06/20/2002	FMETL	ND	3.87	750	12600	197	4.74	ND	11300	8.48	V,S,P,M
09/25/2002	FMETL	1.01	15.9	56.8	19700	315	1.80	ND	12400	8.51	V,S,P,M
12/27/2002	FMETL	1.62	31.69	166	9930	146	1.25	ND	8260	7.23	V,S,P,M
03/26/2003	FMETL	1.73	36.38	118	12800	237	1.99	1.29	12700	7.09	V,S,P,M

SOURCE: 00M2MW03

Sampling Dates:
05/02/1997 - 03/26/2003

NOTES:

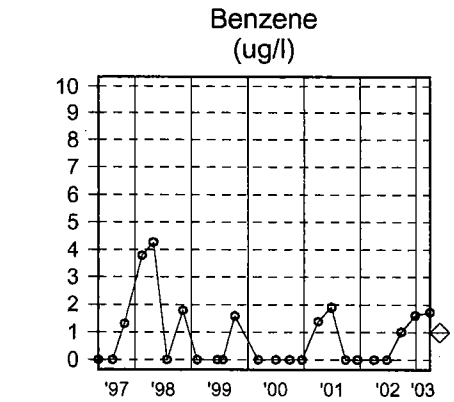
Silver in blank > GW Criteria for May 97.

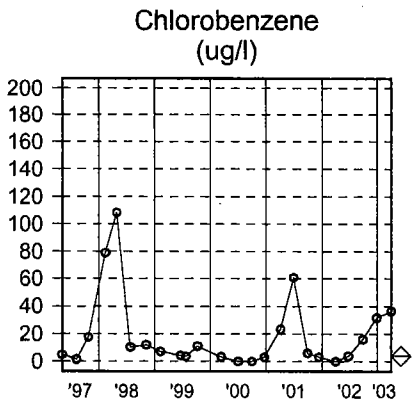
FORT MONMOUTH

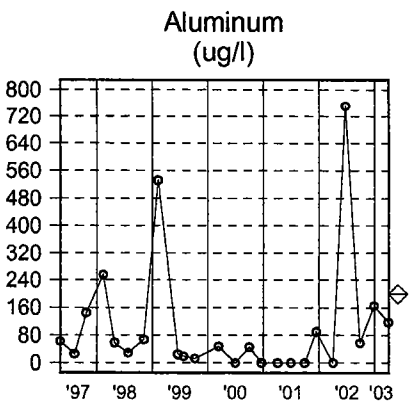
GW MONITORING
Bldg M-2

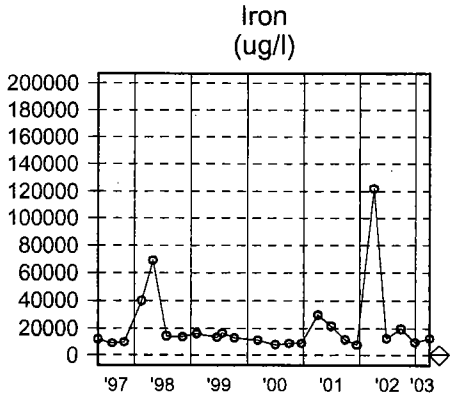
Source 3 of 24

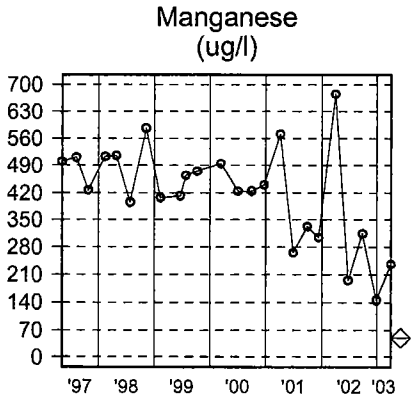
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

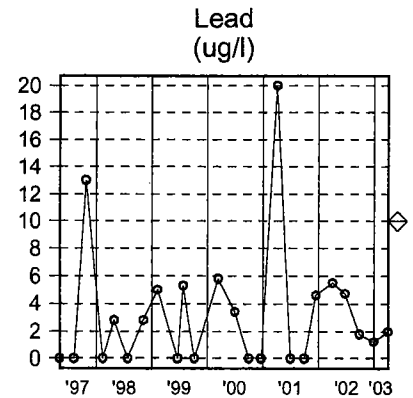


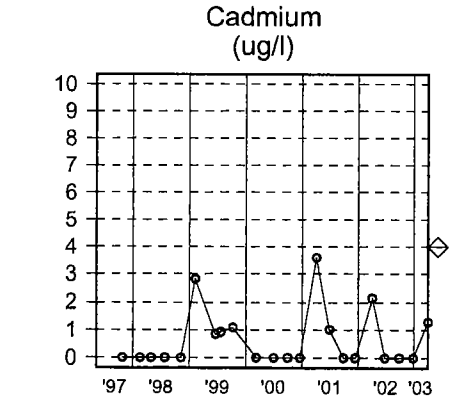


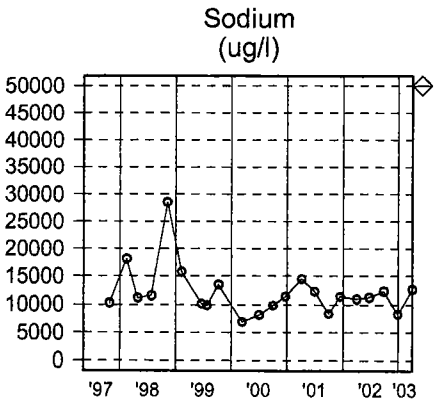


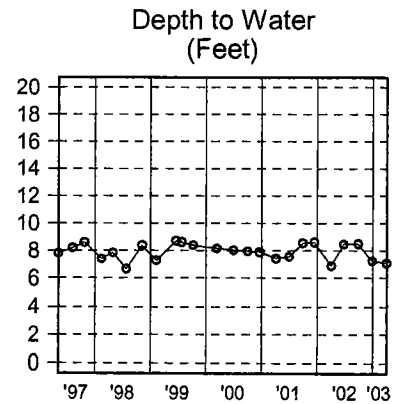












SOURCE: 00M2MW03

Sampling Dates:
05/02/1997 - 03/26/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 3 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Cadmium	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:	-	1	4	200	300	50	10	4	50000	-	-
02/11/1998	FMETL	ND	2.41	514	30140	534	ND	ND	7540	8.80	V,S,P,M
04/27/1998	FMETL	ND	ND	ND	17800	757	ND	ND	8592	8.49	V,S,P,M
07/22/1998	FMETL	ND	1.29	302	26300	3780	ND	ND	8500	9.42	V,S,P,M
11/06/1998	FMETL	ND	ND	209	23900	180	3.27	1.47	8050	10.33	V,S,P,M
02/03/1999	FMETL	ND	ND	20.3	33300	2010	ND	1.38	9840	8.96	V,S,P,M
06/15/1999	FMETL	ND	ND	57.6	31300	311	ND	0.873	8040	9.62	V,S,P,M
07/20/1999	FMETL	ND	2.75	52.3	32600	670	16.1	2.32	8330	9.91	V,S,P,M
10/07/1999	FMETL	1.23	5.96	73.6	43000	1160	2.97	1.87	8710	9.72	V,S,P,M
03/07/2000	FMETL	ND	2.38	57.8	33700	312	9.26	ND	5260	9.34	V,S,P,M
06/27/2000	FMETL	ND	ND	ND	24400	245	6.14	ND	7110	9.27	V,S,P,M
09/26/2000	FMETL	ND	ND	ND	22800	150	ND	ND	7720	9.11	V,S,P,M
12/26/2000	FMETL	2.07	13.11	119	69300	1450	403	1.72	30200	9.43	V,S,P,M
03/29/2001	FMETL	2.62	16.95	ND	75000	1430	14.0	9.20	10400	8.45	V,S,P,M
06/27/2001	FMETL	ND	3.34	ND	80400	1820	2.41	7.74	11000	8.57	V,S,P,M
09/27/2001	FMETL	ND	ND	44.3	34000	193	1.27	ND	9430	9.76	V,S.P,M
09/27/2001D	FMETL	ND	ND	126	34500	194	15.8	ND	7230	9.76	V,S,P,M
12/20/2001	FMETL	ND	ND	478	38100	198	5.85	ND	8120	9.98	V,S,P,M
03/26/2002	FMETL	2.49	14.81	63.4	88600	985	4.04	1.96	12900	6.27	V,S,P,M
06/19/2002	FMETL	ND	0.71	275	27400	204	2.54	ND	8070	9.46	V,S,P,M
09/25/2002	FMETL	ND	ND	85.8	30600	178	ND	0.880	7590	9.74	V,S,P,M
12/30/2002	FMETL	ND	ND	ND	28000	235	ND	ND	7260	8.57	V,S,P,M
03/25/2003	FMETL	ND	4.44	32.8	32300	707	ND	ND	9100	8.47	V,S,P,M

SOURCE: 00M2MW04

Sampling Dates:
02/11/1998 - 03/25/2003

NOTES:

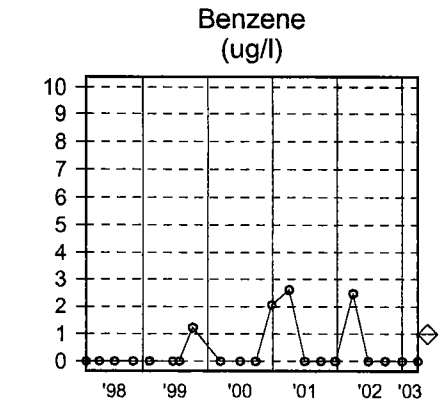
Silver in blank > GW Criteria for May 97.

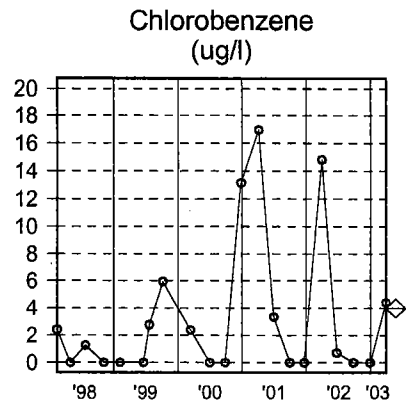
FORT MONMOUTH

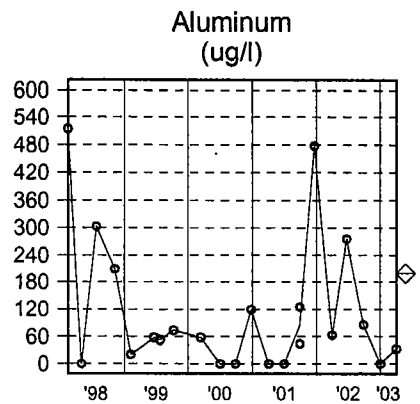
GW MONITORING
Bldg M-2

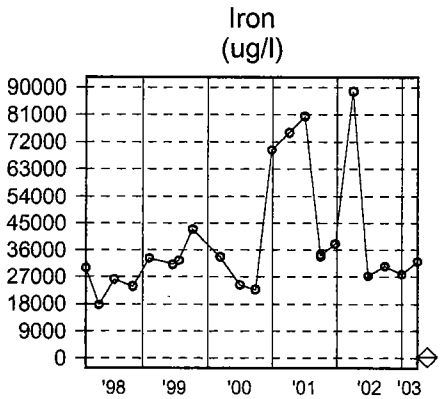
Source 4 of 24

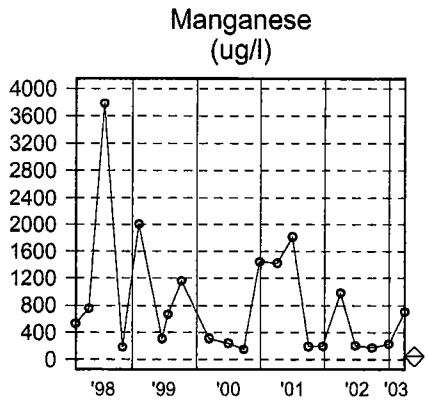
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

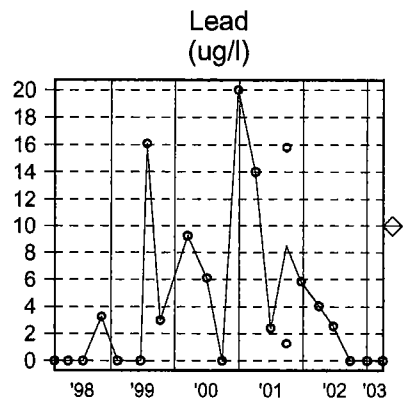


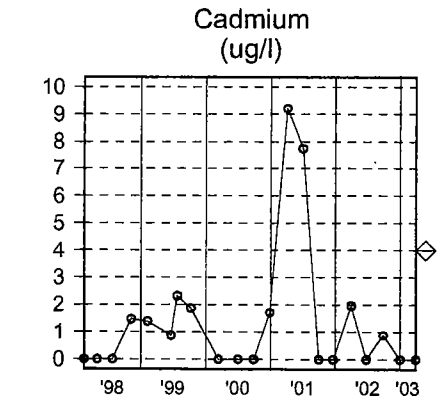


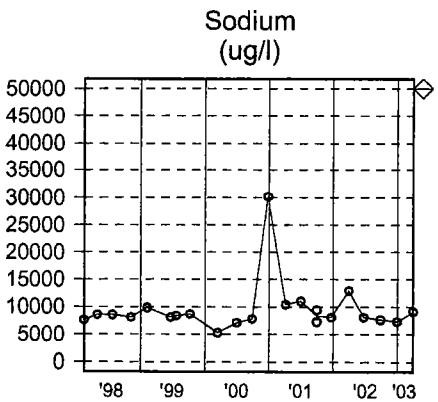


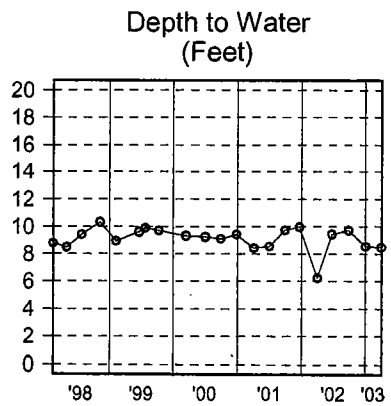












SOURCE: 00M2MW04

Sampling Dates:
02/11/1998 - 03/25/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 4 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Cadmium	Sodium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	300	50	10	4	50000	-			-
10/19/1998	FMETL	1080	15800	34.2	4.09	ND	5070	6.84			V,S,P,M
11/02/1998	FMETL	4860	29900	45.5	15.3	ND	4830	6.84			V,S,P,M
02/03/1999	FMETL	633	35300	48.2	4.62	2.05	6910	6.14			V,S,P,M
06/15/1999	FMETL	2040	72000	41.5	7.58	1.88	5340	6.75			V,S,P,M
07/20/1999	FMETL	1360	45800	38.1	4.71	1.81	5050	6.89			V,S,P,M
10/07/1999	FMETL	1590	28300	36.5	4.59	2.10	4970	6.65			V,S,P,M
03/07/2000	FMETL	370	74400	43.2	5.24	ND	3290	6.45			V,S,P,M
06/27/2000	FMETL	467	58900	37.7	ND	ND	4520	6.57			V,S,P,M
09/25/2000	FMETL	1220	26000	30.6	2.95	ND	5080	6.17			V,S,P,M
12/26/2000	FMETL	1940	148000	49.4	12.9	ND	6640	6.46			V,S,P,M
12/26/2000D	FMETL	1140	95200	41.5	24.9	ND	4980	6.46			V,S,P,M
03/28/2001	FMETL	1750	140000	29.2	17.0	15.9	460	6.00			V,S,P,M
06/26/2001	FMETL	ND	22400	32.9	ND	2.39	4980	5.97			V,S,P,M
09/26/2001	FMETL	2950	111000	44.4	9.23	1.70	5140	6.71			V,S,P,M
12/20/2001	FMETL	843	88400	40.8	7.41	1.41	5560	6.64			V,S,P,M
03/26/2002	FMETL	265	82400	35.6	4.62	5.48	4900	6.23			V,S,P,M
06/19/2002	FMETL	285	44500	32.4	1.53	0.604	5240	13.85			V,S,P,M
09/24/2002	FMETL	1180	81500	60.4	4.85	3.13	4380	6.75			V,S,P,M
12/16/2002	FMETL	80.8	24300	46.7	ND	0.629	5020	5.92			V,S,P,M
03/25/2003	FMETL	ND	5340	26.4	ND	ND	3900	6.10			V,S,P,M

SOURCE: 00M2MW05

Sampling Dates:
10/19/1998 - 03/25/2003

NOTES:

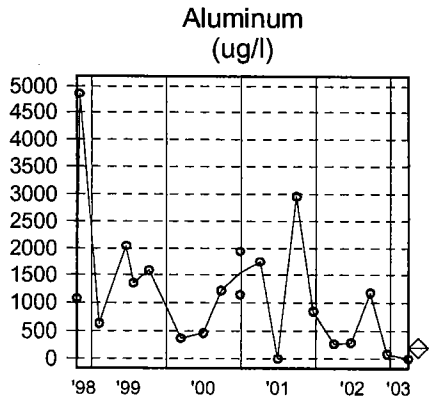
Silver in blank > GW Criteria for May 97.

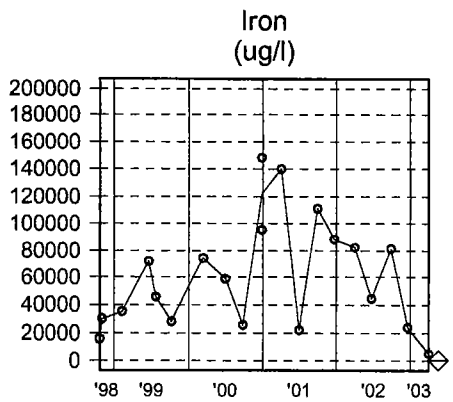
FORT MONMOUTH

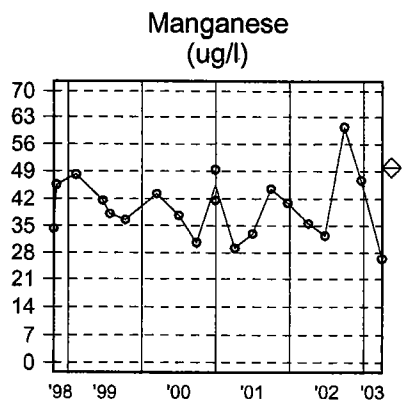
GW MONITORING
Bldg M-2

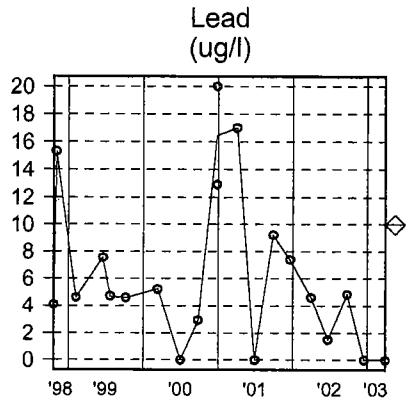
Source 5 of 24

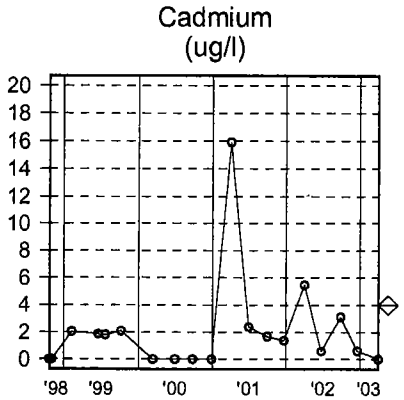
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

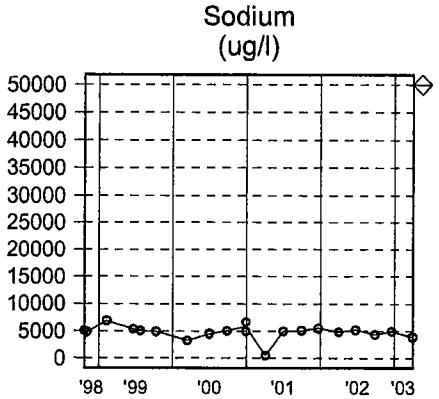


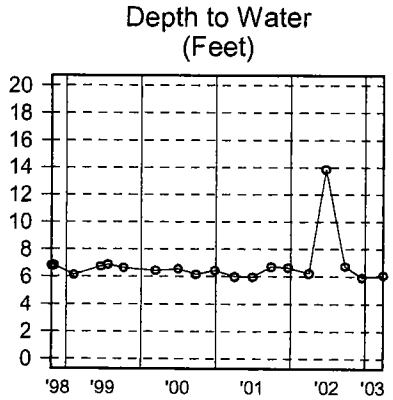












SOURCE: 00M2MW05

Sampling Dates:
10/19/1998 - 03/25/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 5 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Chloro benzene	Aluminum	Iron	Manganese	Lead	Cadmium	Sodium	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	4	200	300	50	10	4	50000	-		-
10/19/1998	FMETL	1.36	1240	16500	72.5	22.4	ND	6970	9.12		V,S,P,M
11/02/1998	FMETL	ND	10300	43500	92.7	90.5	ND	8090	9.12		V,S,P,M
02/03/1999	FMETL	ND	1330	50700	138	13.6	0.969	8620	8.18		V,S,P,M
06/15/1999	FMETL	ND	749	38100	55.0	6.26	0.941	7190	8.79		V,S,P,M
07/20/1999	FMETL	ND	992	36700	59.6	9.72	0.948	7200	9.08		V,S,P,M
10/07/1999	FMETL	ND	616	26100	52.4	6.95	2.17	6990	8.74		V,S,P,M
03/07/2000	FMETL	ND	753	45000	247	ND	3.28	4540	8.64		V,S,P,M
06/27/2000	FMETL	ND	738	45200	66.3	6.32	ND	6510	8.53		V,S,P,M
09/28/2000	FMETL	ND	41.9	12500	56.8	ND	ND	7430	8.21		V,S,P,M
09/28/2000D	FMETL	ND	30.3	8850	424	ND	ND	9910	8.21		V,S,P,M
12/26/2000	FMETL	ND	52.4	12100	53.3	ND	ND	6380	8.70		V,S,P,M
12/26/2000D	FMETL	ND	ND	12000	53.5	41.2	ND	6560	8.70		V,S,P,M
03/27/2001	FMETL	5.32	ND	24600	250	ND	1.50	8200	8.07		V,S,P,M
03/27/2001D	FMETL	5.31	ND	24500	248	ND	1.50	8500	8.07		V,S,P,M
06/23/2001	FMETL	ND	ND	10800	44.3	ND	1.22	8020	7.94		V,S,P,M
09/26/2001	FMETL	ND	220	19500	54.5	9.27	ND	9550	9.32		V,S,P,M
12/10/2001	FMETL	ND	3510	30600	57.8	35.3	1.69	5100	8.98		V,S,P,M
03/26/2002	FMETL	ND	31.8	17000	47.3	ND	ND	7480	9.17		V,S,P,M
06/22/2002	FMETL	ND	42.8	19900	55.1	2.09	ND	6810	8.87		V,S,P,M
09/26/2002	FMETL	ND	36.1	9660	49.5	ND	ND	7040	8.92		V,S,P,M
12/27/2002	FMETL	ND	113	9280	56.6	3.11	ND	6510	7.84		V,S,P,M
03/20/2003	FMETL	2.57	32.1	22700	297	ND	0.713	7930	6.18		V,S,P,M

SOURCE: 00M2MW06

Sampling Dates:
10/19/1998 - 03/20/2003

NOTES:

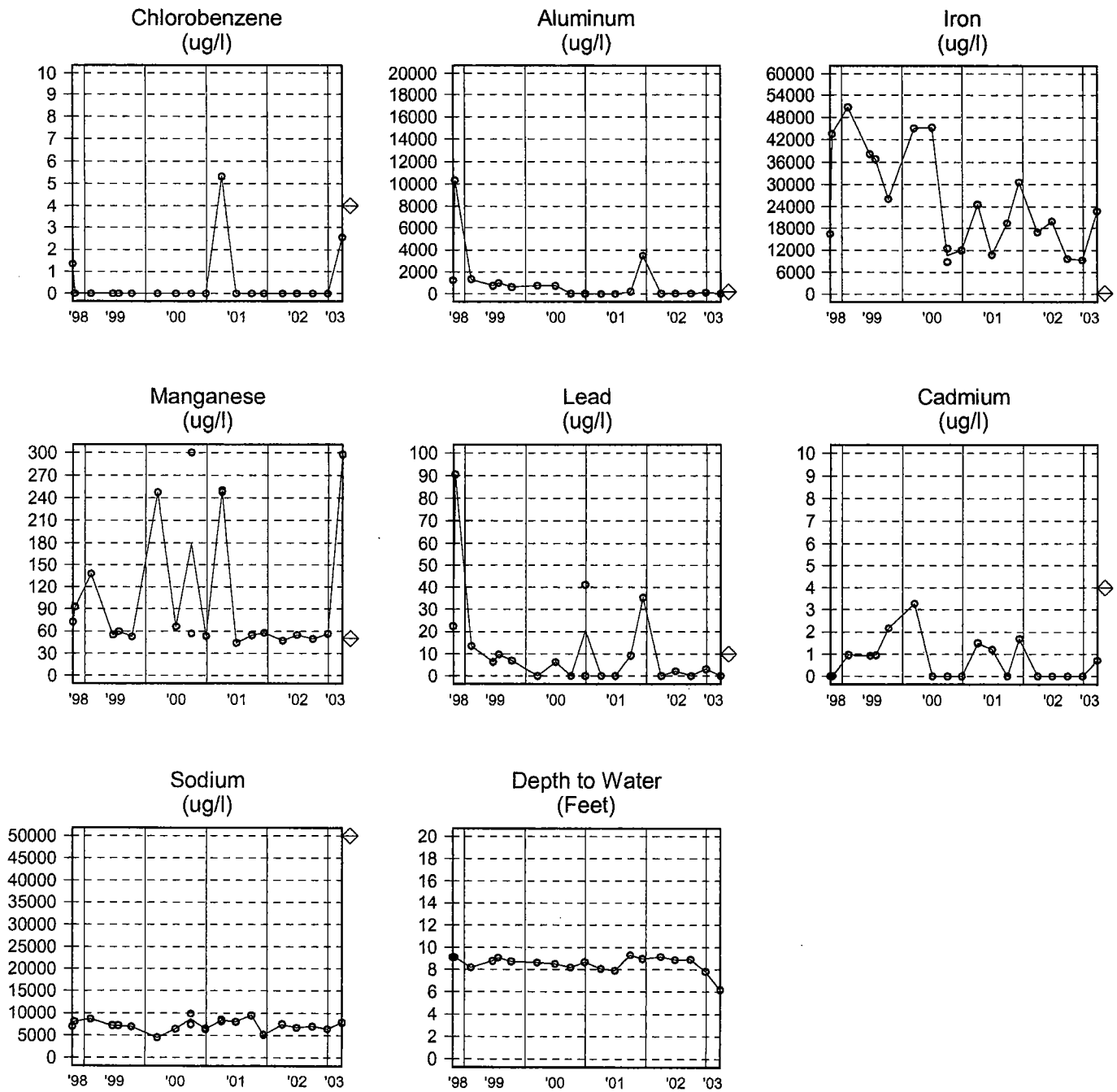
Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 6 of 24

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 00M2MW06

Sampling Dates:
10/19/1998 - 03/20/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 6 of 24, Graph

U.S.ARMY
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SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Cadmium	Sodium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	300	50	10	4	50000	-			-
10/19/1998	FMETL	1480	14800	94.8	13	ND	13500	7.61			V,S,P,M
11/02/1998	FMETL	3870	23800	82.2	16.4	2.36	8650	7.61			V,S,P,M
02/03/1999	FMETL	433	41800	79.6	3.41	1.94	9530	6.66			V,S,P,M
06/15/1999	FMETL	780	71900	80.3	ND	1.96	8800	7.31			V,S,P,M
07/20/1999	FMETL	1150	19800	70.1	4.93	1.29	9750	7.61			V,S,P,M
10/07/1999	FMETL	1680	35100	81.7	4.53	1.67	18700	7.24			V,S,P,M
03/07/2000	FMETL	248	118000	156	ND	ND	5780	7.15			V,S,P,M
06/27/2000	FMETL	161	167000	97.9	2.65	ND	7930	7.21			V,S,P,M
09/28/2000	FMETL	51.5	9940	58.2	ND	ND	8450	7.02			V,S,P,M
12/26/2000	FMETL	129	49200	118	ND	ND	7870	7.41			V,S,P,M
03/28/2001	FMETL	1670	186000	119	18.0	22.4	8100	6.78			V,S,P,M
06/27/2001	FMETL	ND	289000	135	13.6	33.2	8630	6.66			V,S,P,M
09/26/2001	FMETL	807	20200	60.4	ND	ND	11300	7.62			V,S,P,M
12/20/2001	FMETL	555	26100	67.5	5.79	ND	8860	7.61			V,S,P,M
03/26/2002	FMETL	1880	182000	101	8.04	4.94	8420	7.05			V,S,P,M
06/19/2002	FMETL	336	15900	54.7	ND	ND	8380	7.41			V,S,P,M
09/24/2002	FMETL	437	30100	72.8	1.89	0.793	9000	7.44			V,S,P,M
12/16/2002	FMETL	ND	15200	66.5	1.41	ND	8230	6.63			V,S,P,M
03/25/2003	FMETL	27.8	22900	53.3	ND	ND	6550	6.77			V,S,P,M

SOURCE: 00M2MW07

Sampling Dates:
10/19/1998 - 03/25/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

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Bldg M-2

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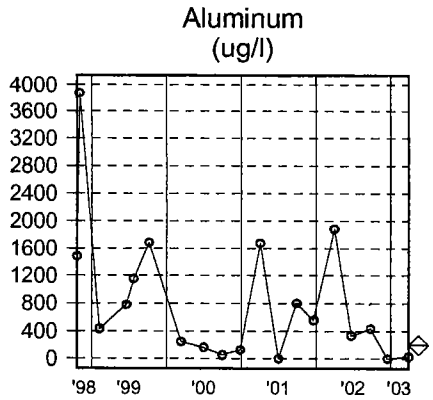

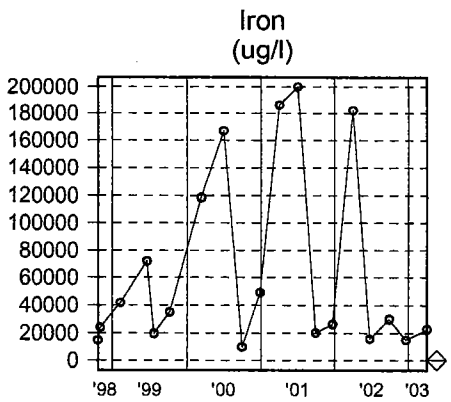

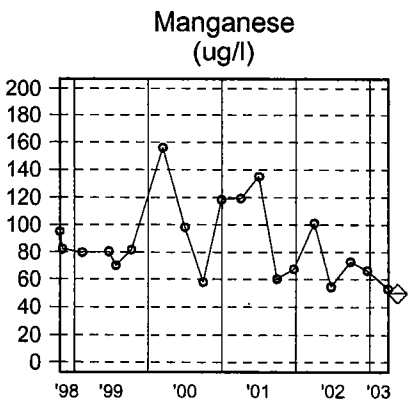

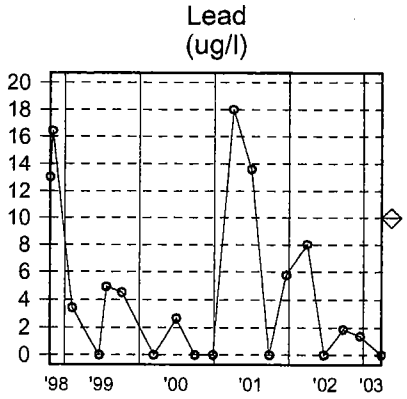

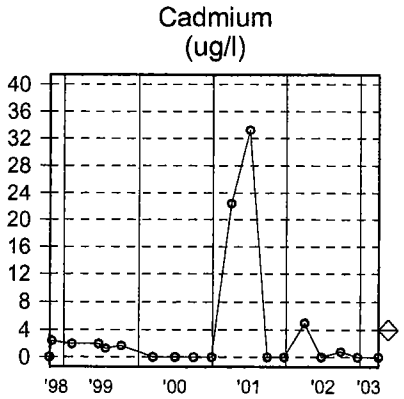

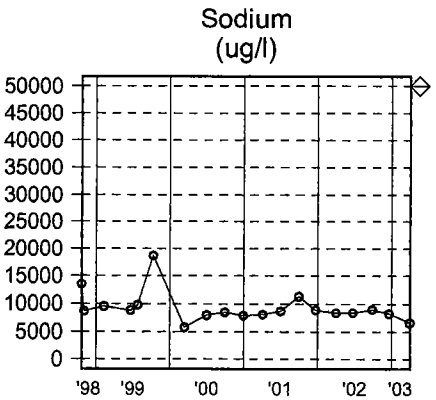

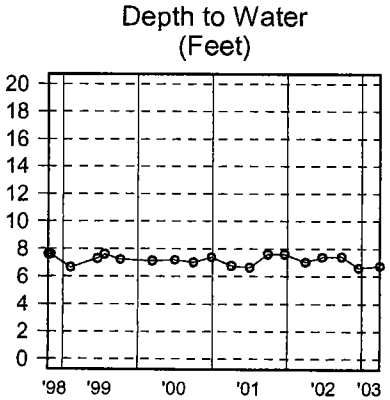

SOURCE: 00M2MW07

Sampling Dates:
10/19/1998 - 03/25/2003

LEGEND:

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 7 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Aluminum	Iron	Manganese	Lead	Cadmium	Sodium	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	1	200	300	50	10	4	50000	-		-
10/19/1998	FMETL	7.46	1490	18400	55.1	11	ND	7560	7.48		V,S,P,M
11/02/1998	FMETL	5.88	8250	46100	69.9	45	ND	8240	7.48		V,S,P,M
02/03/1999	FMETL	5.56	1350	76500	61.7	5.57	1.16	8690	6.46		V,S,P,M
06/15/1999	FMETL	4.13	3630	142000	74.6	13.5	4.14	7820	7.22		V,S,P,M
07/20/1999	FMETL	2.66	1560	37200	56.5	10.6	0.925	7890	7.51		V,S,P,M
10/07/1999	FMETL	ND	935	32500	55.5	6.65	1.46	8040	7.29		V,S,P,M
03/07/2000	FMETL	ND	616	73100	56.5	3.37	ND	4770	6.92		V,S,P,M
06/27/2000	FMETL	ND	327	40000	47.1	31.0	ND	6900	7.01		V,S,P,M
09/28/2000	FMETL	1.12	37.3	13700	43.8	ND	ND	8460	6.71		V,S,P,M
12/26/2000	FMETL	ND	257	47400	38.5	ND	ND	7450	6.23		V,S,P,M
03/29/2001	FMETL	2.19	2280	221000	50.9	37.0	27.4	7300	6.54		V,S,P,M
06/26/2001	FMETL	ND	583	116000	72.5	20.7	12.7	7800	6.49		V,S,P,M
09/27/2001	FMETL	ND	1320	23200	49.0	4.15	ND	7930	6.26		V,S,P,M
12/20/2001	FMETL	ND	5360	54800	64.0	66.5	0.920	8120	7.48		V,S,P,M
03/26/2002	FMETL	ND	5140	126000	80.5	33.9	3.39	7900	6.95		V,S,P,M
06/19/2002	FMETL	ND	891	45500	50.4	10.2	ND	7600	7.20		V,S,P,M
09/24/2002	FMETL	ND	1570	33000	49.7	5.61	0.947	7400	7.24		V,S,P,M
12/16/2002	FMETL	1.41	ND	15100	47.1	1.15	ND	6970	6.25		V,S,P,M
03/25/2003	FMETL	ND	48.4	3250	36.6	ND	ND	8120	5.43		V,S,P,M

SOURCE: 00M2MW08

Sampling Dates:
10/19/1998 - 03/25/2003

NOTES:

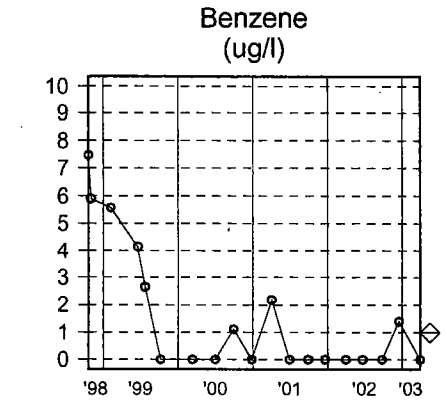
Silver in blank > GW Criteria for May 97.

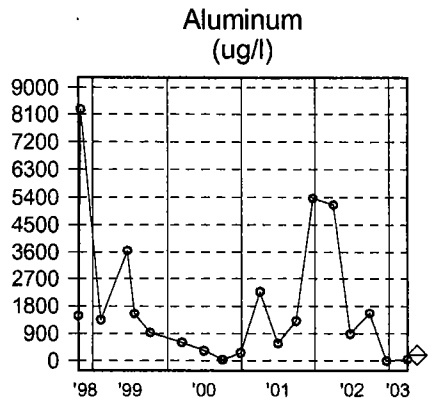
FORT MONMOUTH

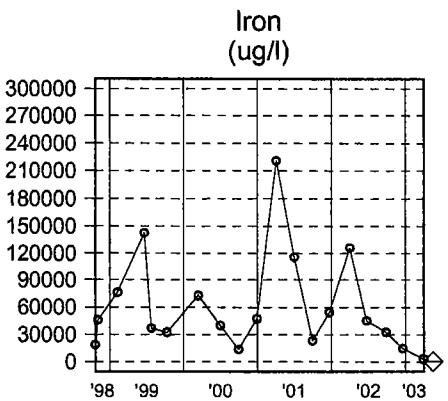
GW MONITORING
Bldg M-2

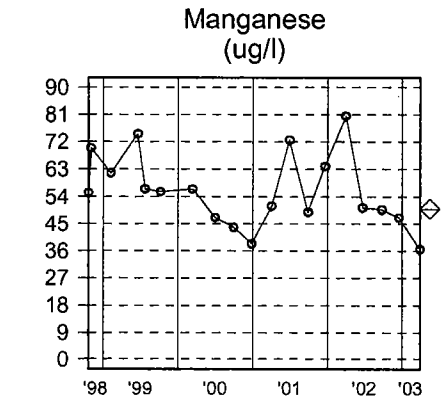
Source 8 of 24

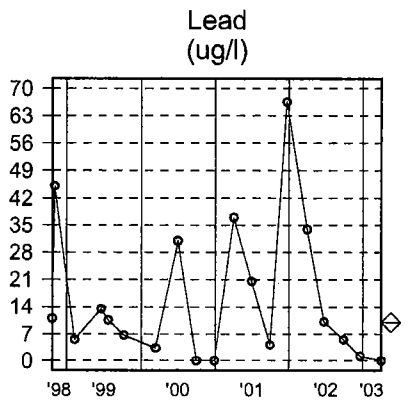
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

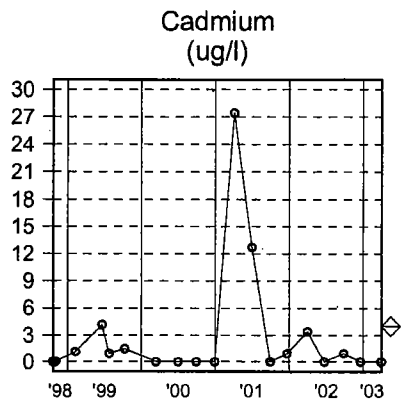


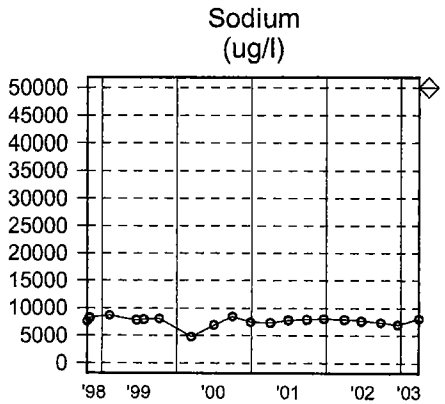


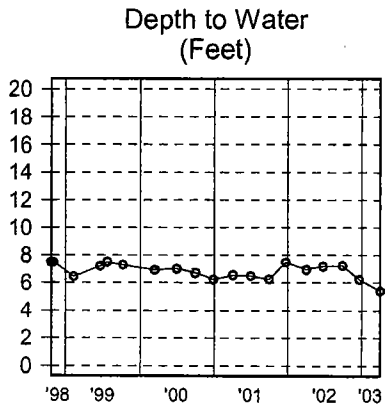












SOURCE: 00M2MW08

Sampling Dates:
10/19/1998 - 03/25/2003

LEGEND:

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 8 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Aluminum	Iron	Manganese	Lead	Cadmium	Sodium	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	1	200	300	50	10	4	50000	-		-
10/19/1998	FMETL	538.24	455	10400	1920	7	ND	7600	10.85		V,S,P,M
11/02/1998	FMETL	205.68	7880	36100	1560	41.6	0.987	7580	10.85		V,S,P,M
02/03/1999	FMETL	263.2	3250	30900	4260	13.1	4.49	10500	10.17		V,S,P,M
06/15/1999	FMETL	23.39	32300	99300	1430	95.9	15.2	7280	10.78		V,S,P,M
07/20/1999	FMETL	14.32	5850	24900	1200	20.5	2.93	7300	10.99		V,S,P,M
10/07/1999	FMETL	3.91	5000	27500	1460	29.3	5.64	7230	10.59		V,S,P,M
03/07/2000	FMETL	2.21	2850	15200	1310	11.2	1.65	4560	10.89		V,S,P,M
06/27/2000	FMETL	ND	671	29200	1780	54.2	ND	6740	11.03		V,S,P,M
09/28/2000	FMETL	ND	5170	28800	1470	42.7	2.41	7400	10.11		V,S,P,M
12/27/2000	FMETL	ND	126	4820	747	ND	ND	7630	10.80		V,S,P,M
03/27/2001	FMETL	ND	80.0	10800	1690	ND	0.90	9200	10.18		V,S,P,M
06/23/2001	FMETL	ND	ND	20000	1740	ND	2.95	7660	10.30		V,S,P,M
09/26/2001	FMETL	ND	274	27400	1720	2.39	1.63	10400	11.06		V,S,P,M
12/31/2001	FMETL	ND	617	23200	780	7.01	3.93	568	11.09		V,S,P,M
03/26/2002	FMETL	ND	729	16700	1380	4.03	0.711	6430	10.76		V,S,P,M
06/22/2002	FMETL	ND	ND	11000	1330	ND	0.778	7760	10.11		V,S,P,M
09/27/2002	FMETL	ND	35.9	5920	663	ND	0.711	7640	10.88		V,S,P,M
12/27/2002	FMETL	2.35	117	5960	1170	ND	0.852	6380	10.32		V,S,P,M
03/25/2003	FMETL	ND	487	10400	870	3.21	0.813	6870	6.19		V,S,P,M

SOURCE: 00M2MW09

Sampling Dates:
10/19/1998 - 03/25/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 9 of 24

U.S.ARMY
FORT MONMOUTH
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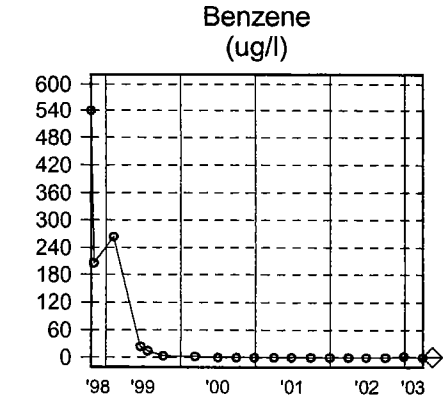
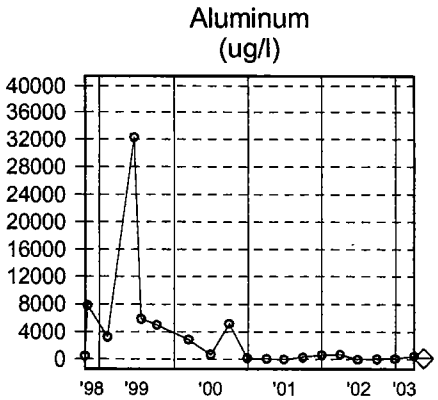
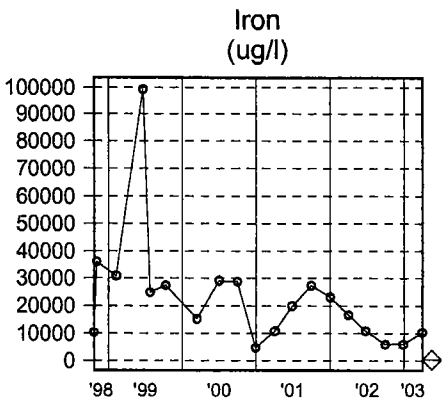
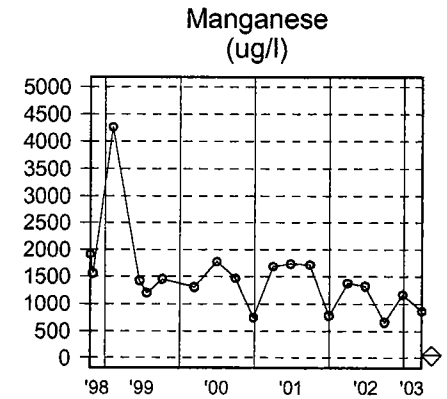
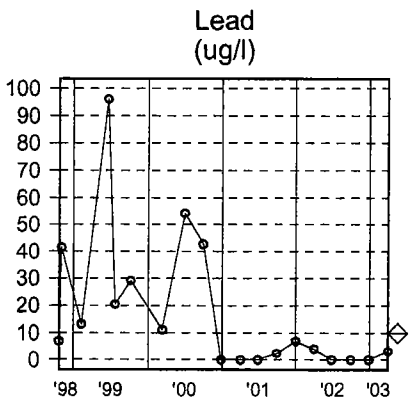
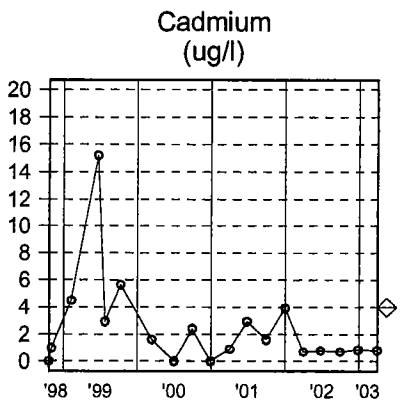


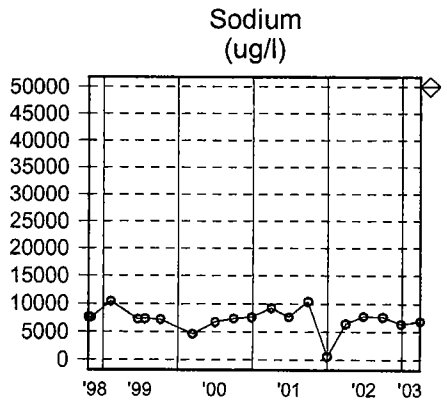


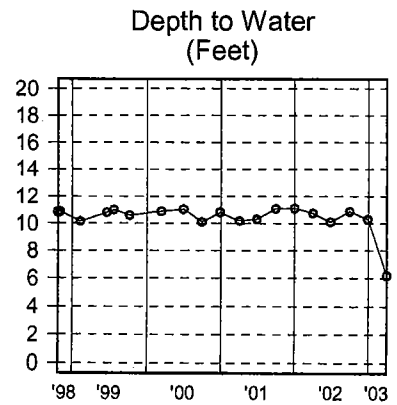












SOURCE: 00M2MW09

Sampling Dates:
10/19/1998 - 03/25/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 9 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Cadmium	Sodium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	300	50	10	4	50000	-			-
10/19/1998	FMETL	486	4280	22.5	2.94	ND	3870	8.24			V,S,P,M
11/02/1998	FMETL	3670	20600	47.4	4.47	ND	7600	8.24			V,S,P,M
02/03/1999	FMETL	638	24300	68.6	ND	0.845	8080	6.81			V,S,P,M
06/15/1999	FMETL	5610	65600	79.2	7.75	2.03	7800	7.94			V,S,P,M
07/20/1999	FMETL	1010	10700	63.1	8.20	1.02	7540	8.35			V,S,P,M
10/07/1999	FMETL	98.4	6390	37.7	ND	1.10	7310	8.00			V,S,P,M
03/07/2000	FMETL	442	46200	104	ND	ND	4850	7.50			V,S,P,M
06/27/2000	FMETL	430	6530	36.4	7.42	ND	6660	7.61			V,S,P,M
09/27/2000	FMETL	218	2890	27.5	ND	ND	7390	7.01			V,S,P,M
12/26/2000	FMETL	441	39500	159	ND	ND	9830	7.93			V,S,P,M
03/29/2001	FMETL	750	73400	85.4	9.00	9.10	7200	8.34			V,S,P,M
06/26/2001	FMETL	1460	10900	44.3	1.88	0.96	7410	8.41			V,S,P,M
09/27/2001	FMETL	2550	12000	46.4	2.59	ND	6570	8.31			V,S,P,M
12/20/2001	FMETL	ND	33500	237	2.24	ND	8380	8.62			V,S,P,M
03/26/2002	FMETL	5330	207000	332	10.3	5.80	7690	7.88			V,S,P,M
06/20/2002	FMETL	1170	22500	50.5	ND	ND	6790	8.06			V,S,P,M
09/24/2002	FMETL	806	8480	48.1	ND	2.00	7850	7.86			V,S,P,M
12/16/2002	FMETL	652	24400	74.2	1.61	ND	6640	7.63			V,S,P,M
03/25/2003	FMETL	60.4	1350	33.0	ND	ND	8200	7.45			V,S,P,M

SOURCE: 00M2MW10

Sampling Dates:
10/19/1998 - 03/25/2003

NOTES:

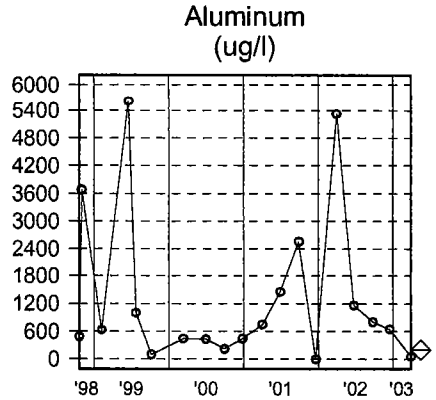
Silver in blank > GW Criteria for May 97.

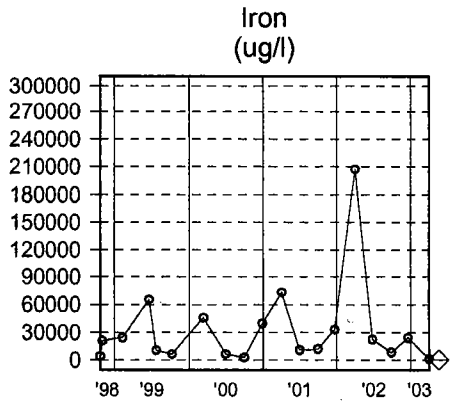
FORT MONMOUTH

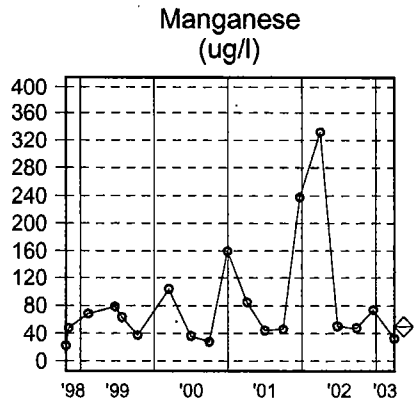
GW MONITORING
Bldg M-2

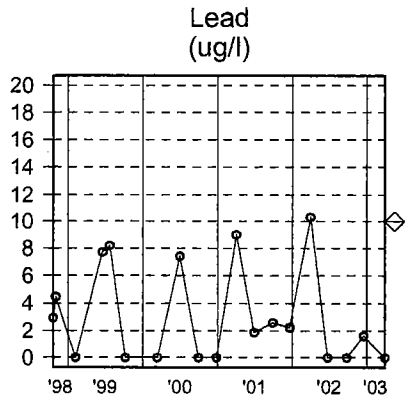
Source 10 of 24

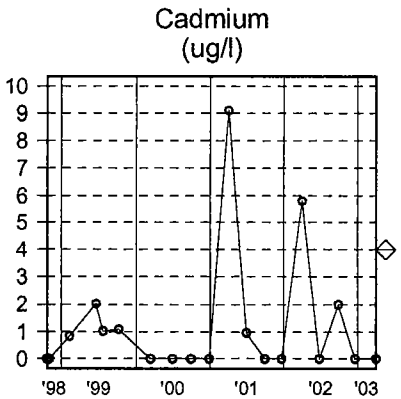
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

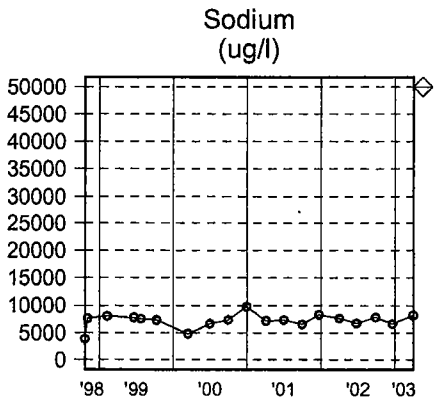


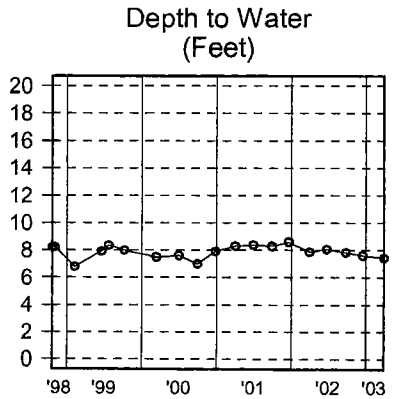












SOURCE: 00M2MW10

Sampling Dates:
10/19/1998 - 03/25/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 10 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Aluminum	Iron	Manganese	Lead	Sodium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	1	200	300	50	10	50000	-			-
09/29/2000	FMETL	78.23	57.0	186	17.8	ND	4260	8.71			V,S,P,M
12/29/2000	FMETL	82.83	ND	308	26.2	ND	3270	7.00			V,S,P,M
12/29/2000D	FMETL	80.52	ND	239	16.0	ND	3090	7.00			V,S,P,M
03/26/2001	FMETL	73.81	ND	110	59.5	4.00	3600	8.58			V,S,P,M
06/26/2001	FMETL	ND	ND	163	16.9	ND	3380	8.52			V,S,P,M
09/26/2001	FMETL	ND	ND	319	8.43	23.2	ND	9.91			V,S,P,M
11/30/2001	FMETL	114.25	ND	309	24.6	ND	2430	9.75			V,S,P,M
03/26/2002	FMETL	ND	ND	116	2.01	ND	3290	9.45			V,S,P,M
06/20/2002	FMETL	ND	19.2	180	4.16	ND	3000	9.66			V,S,P,M
09/20/2002	FMETL	ND	92.1	136	12.5	1.53	3940	9.58			V,S,P,M
12/27/2002	FMETL	ND	ND	65.6	ND	4.74	3120	8.62			V,S,P,M
03/26/2003	FMETL	ND	99.2	308	14.0	4.51	2870	8.77			V,S,P,M

SOURCE: 00M2MW11

Sampling Dates:
09/29/2000 - 03/26/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 11 of 24

U.S.ARMY
FORT MONMOUTH
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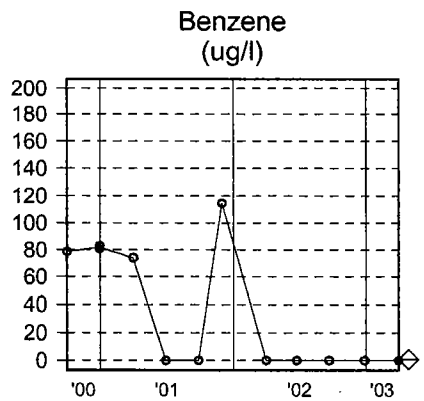
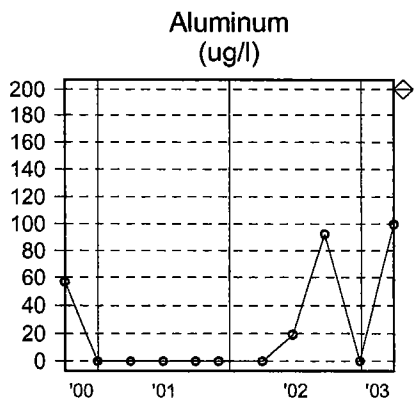
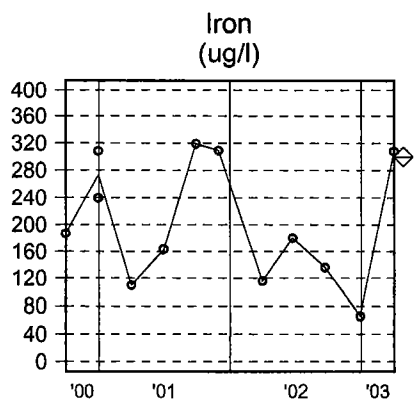
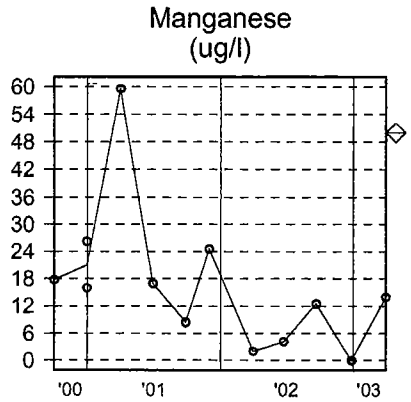
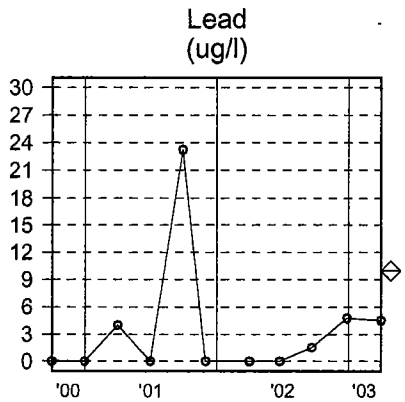
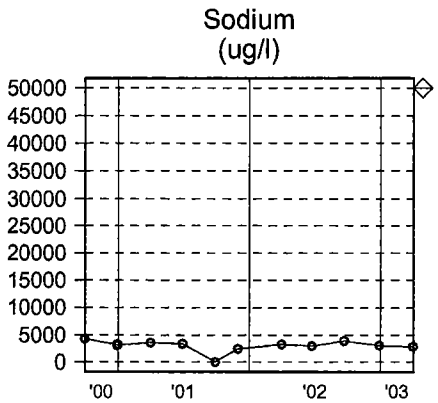


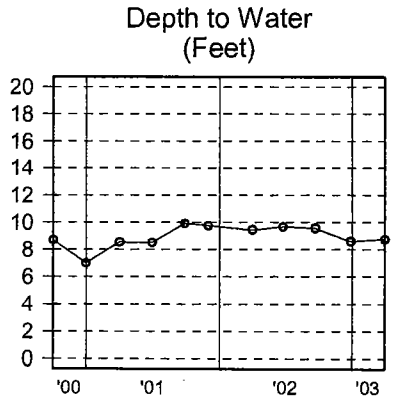












SOURCE: 00M2MW11

Sampling Dates:
09/29/2000 - 03/26/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 11 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Sodium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	300	50	10	50000	-				-
09/29/2000	FMETL	47.0	238	23.5	56.3	3890	8.23				V,S,P,M
09/29/2000D	FMETL	81.3	245	22.5	ND	3930	8.23				V,S,P,M
12/29/2000	FMETL	ND	279	21.0	ND	2710	7.80				V,S,P,M
03/26/2001	FMETL	30.0	410	171	11.0	3000	7.61				V,S,P,M
06/26/2001	FMETL	ND	539	19.9	ND	3060	7.58				V,S,P,M
09/27/2001	FMETL	ND	194	9.12	8.15	2220	9.77				V,S,P,M
11/30/2001	FMETL	ND	327	26.9	ND	3490	9.79				V,S,P,M
03/26/2002	FMETL	ND	254	11.5	ND	4140	9.22				V,S,P,M
06/20/2002	FMETL	ND	255	24.0	ND	3490	9.44				V,S,P,M
09/20/2002	FMETL	188	199	11.5	ND	3440	9.36				V,S,P,M
12/27/2002	FMETL	ND	218	3.66	ND	3470	8.37				V,S,P,M
03/26/2003	FMETL	110	676	20.1	2.00	2790	8.48				V,S,P,M

SOURCE: 00M2MW12

Sampling Dates:
09/29/2000 - 03/26/2003

NOTES:

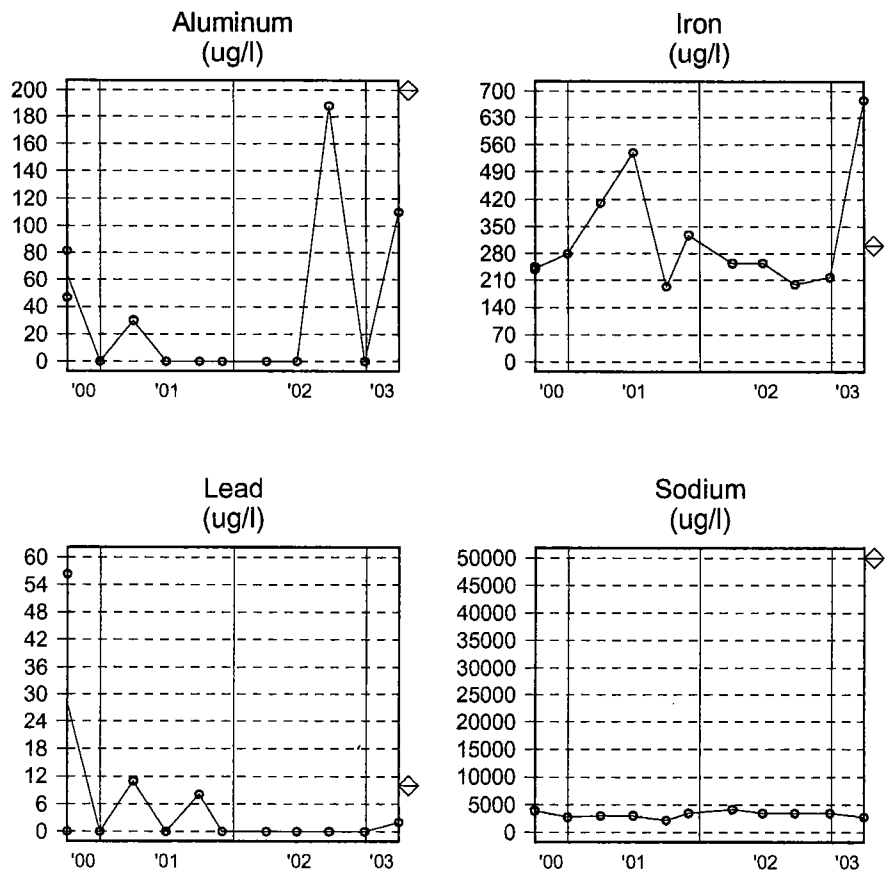
Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 12 of 24

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 00M2MW12

Sampling Dates:
09/29/2000 - 03/26/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 12 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Cadmium	Sodium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	300	50	10	4	50000	-			-
09/27/2000	FMETL	28.1	11800	84.1	15.4	ND	11700	9.89			V,S,P,M
12/20/2000	FMETL	ND	14600	103	17.3	ND	15500	9.92			V,S,P,M
03/29/2001	FMETL	ND	71800	102	7.00	8.70	10200	9.72			V,S,P,M
06/27/2001	FMETL	ND	59600	108	1.12	5.82	11600	9.81			V,S,P,M
09/27/2001	FMETL	34.0	17300	87.8	ND	ND	18500	10.56			V,S,P,M
12/14/2001	FMETL	18.8	28000	123	21.0	ND	20600	10.62			V,S,P,M
03/27/2002	FMETL	ND	18400	144	ND	0.598	15900	9.86			V,S,P,M
06/20/2002	FMETL	38.7	23000	131	ND	ND	14800	10.88			V,S,P,M
09/24/2002	FMETL	414	23600	189	2.28	0.687	17900	10.54			V,S,P,M
12/27/2002	FMETL	34.8	28100	111	1.71	0.739	11000	9.53			V,S,P,M
03/26/2003	FMETL	185	77100	134	1.74	1.28	10900	9.77			V,S,P,M

SOURCE: 00M2MW13

Sampling Dates:
09/27/2000 - 03/26/2003

NOTES:

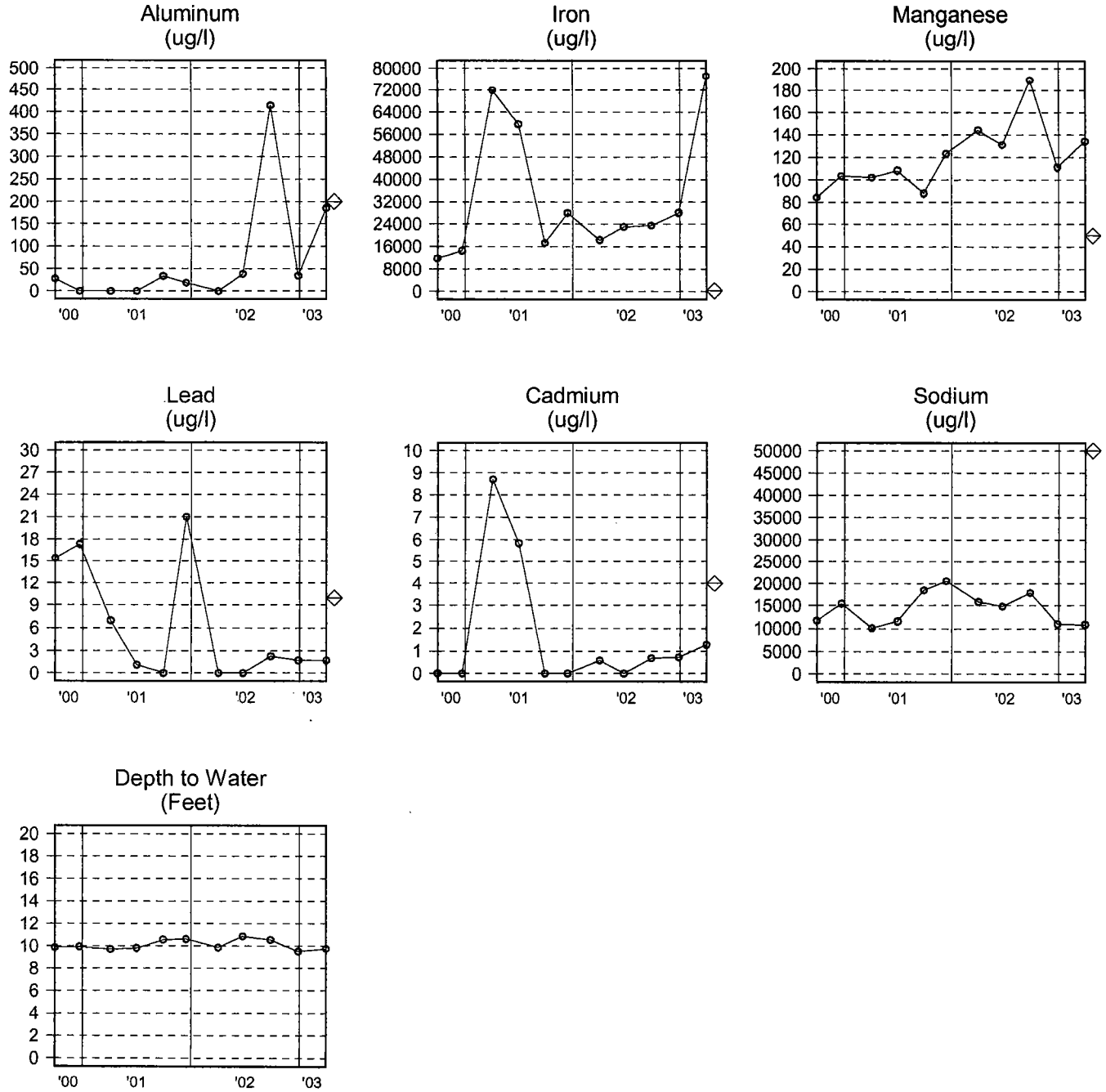
Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 13 of 24

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 00M2MW13

Sampling Dates:
09/27/2000 - 03/26/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 13 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Cadmium	Sodium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	300	50	10	4	50000	-			-
09/26/2000	FMETL	61.9	31600	226	ND	ND	16400	10.97			V,S,P,M
12/20/2000	FMETL	80.5	43600	280	ND	ND	14700	11.03			V,S,P,M
03/29/2001	FMETL	ND	38300	287	5.00	4.50	16700	10.05			V,S,P,M
06/27/2001	FMETL	ND	31500	205	ND	3.23	15700	10.11			V,S,P,M
09/27/2001	FMETL	63.3	21100	165	ND	ND	13500	11.86			V,S,P,M
12/14/2001	FMETL	137	39000	214	10.2	0.557	14100	12.31			V,S,P,M
03/27/2002	FMETL	74.4	34500	190	2.72	1.73	13200	11.16			V,S,P,M
06/20/2002	FMETL	141	32200	193	ND	ND	13200	11.86			V,S,P,M
09/24/2002	FMETL	375	38800	262	2.27	1.60	13800	11.79			V,S,P,M
12/27/2002	FMETL	128	24100	246	1.76	1.15	16600	9.83			V,S,P,M
03/26/2003	FMETL	152	36900	247	2.31	0.912	15600	9.92			V,S,P,M

SOURCE: 00M2MW14

Sampling Dates:
09/26/2000 - 03/26/2003

NOTES:

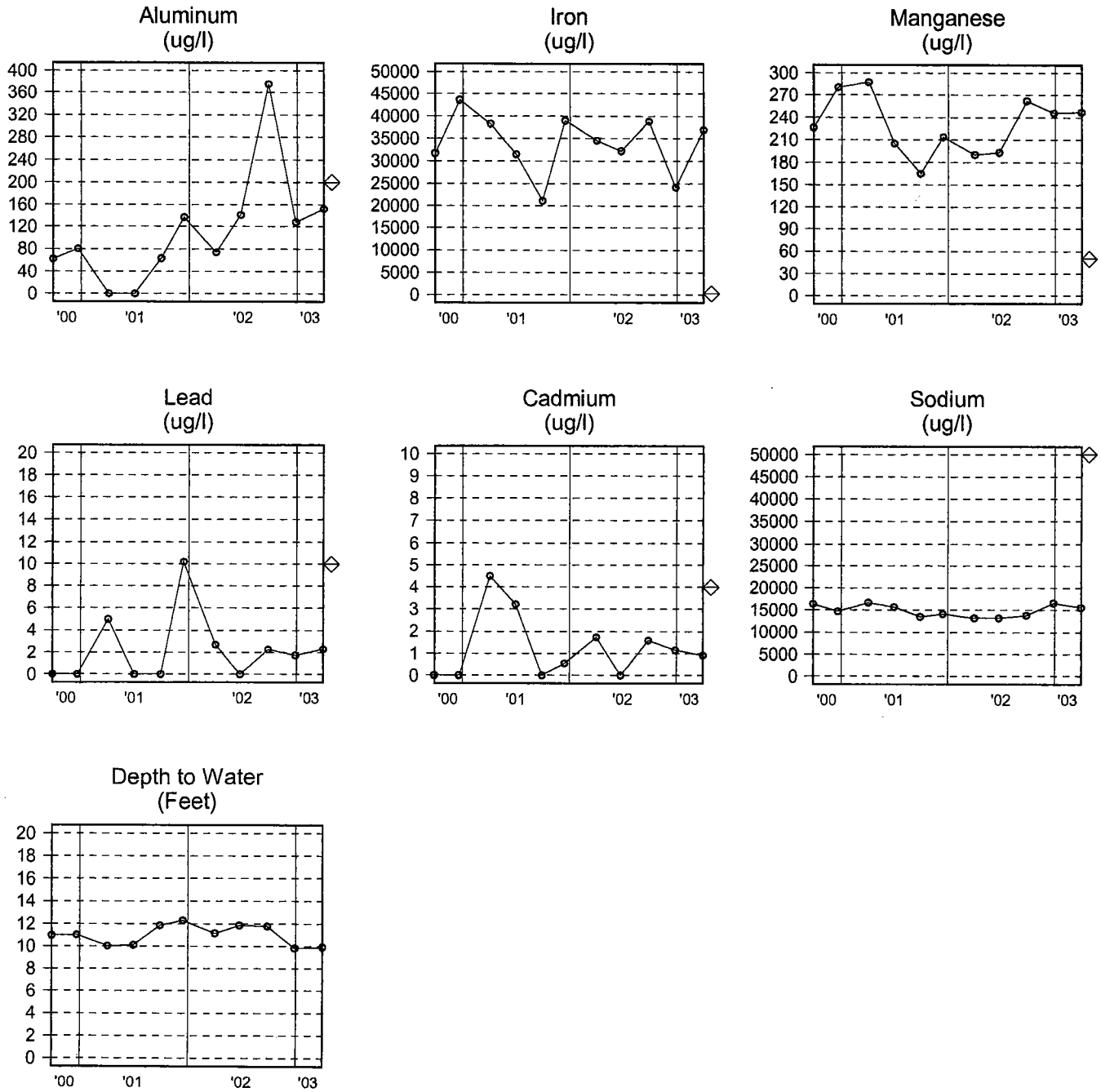
Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 14 of 24

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 00M2MW14

Sampling Dates:
09/26/2000 - 03/26/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 14 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Naphthalene	Aluminum	Iron	Manganese	Lead	Cadmium	Sodium	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	NLE	200	300	50	10	4	50000	-		-
09/26/2000	FMETL	20.74	17.1	3790	52.4	ND	ND	13100	9.87		V,S,P,M
12/20/2000	FMETL	38.36	72.0	3780	96.4	6.57	ND	14700	10.12		V,S,P,M
03/29/2001	FMETL	72.43	80.0	18900	197	6.00	2.20	15100	9.53		V,S,P,M
03/29/2001D	FMETL	69.31	50.0	17100	193	6.00	1.90	14900	9.53		V,S,P,M
06/27/2001	FMETL	84.11	89.1	10000	104	1.09	1.23	14300	9.61		V,S,P,M
09/27/2001	FMETL	ND	202	2150	72.0	1.26	ND	9950	10.55		V,S,P,M
12/20/2001	FMETL	ND	217	10500	71.0	229	ND	10700	10.96		V,S,P,M
03/27/2002	FMETL	ND	625	2160	89.1	1.68	ND	14100	10.23		V,S,P,M
06/19/2002	FMETL	8.94	930	4030	60.8	4.18	ND	10000	10.11		V,S,P,M
09/24/2002	FMETL	1.89	263	2190	39.8	1.64	ND	10900	10.58		V,S,P,M
12/30/2002	FMETL	1.68	133	13600	170	1.59	0.614	18100	9.31		V,S,P,M
03/25/2003	FMETL	ND	98.7	278	48.7	ND	ND	12200	9.54		V,S,P,M

SOURCE: 00M2MW15

Sampling Dates:
09/26/2000 - 03/25/2003

NOTES:

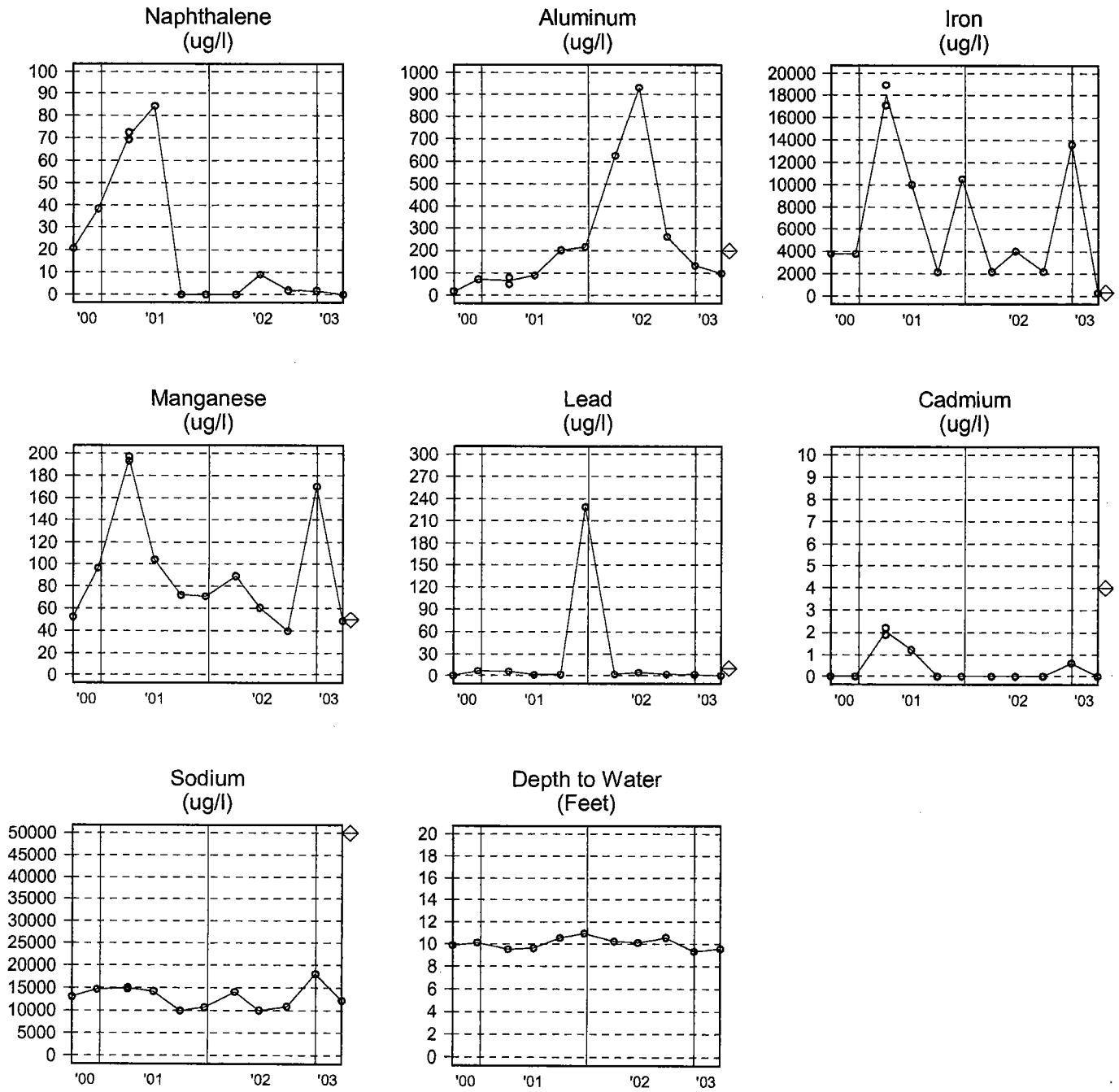
Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 15 of 24

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 00M2MW15

Sampling Dates:
09/26/2000 - 03/25/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 15 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Cadmium	Sodium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	300	50	10	4	50000	-			-
09/26/2000	FMETL	20.5	16300	242	ND	ND	12800	7.84			V,S,P,M
09/26/2000D	FMETL	13.9	16000	238	2.37	ND	12900	7.84			V,S,P,M
12/20/2000	FMETL	44.4	13200	231	ND	ND	12600	8.51			V,S,P,M
03/28/2001	FMETL	200	15100	320	9.00	2.90	10000	7.71			V,S,P,M
06/27/2001	FMETL	ND	29300	242	23.2	3.83	20600	7.87			V,S,P,M
09/27/2001	FMETL	38.3	14600	184	1.26	ND	17400	9.33			V,S,P,M
12/30/2001	FMETL	ND	27400	401	3.82	ND	18100	10.10			V,S,P,M
03/26/2002	FMETL	311	42500	1220	7.02	1.66	25600	8.65			V,S,P,M
06/19/2002	FMETL	124	14200	441	1.28	0.616	15100	8.79			V,S,P,M
09/25/2002	FMETL	174	26800	800	5.21	1.01	17900	9.71			V,S,P,M
12/30/2002	FMETL	158	2520	376	5.26	4.50	4050	7.01			V,S,P,M
03/25/2003	FMETL	49.7	201	141	3.31	3.51	10400	6.65			V,S,P,M

SOURCE: 00M2MW16

Sampling Dates:
09/26/2000 - 03/25/2003

NOTES:

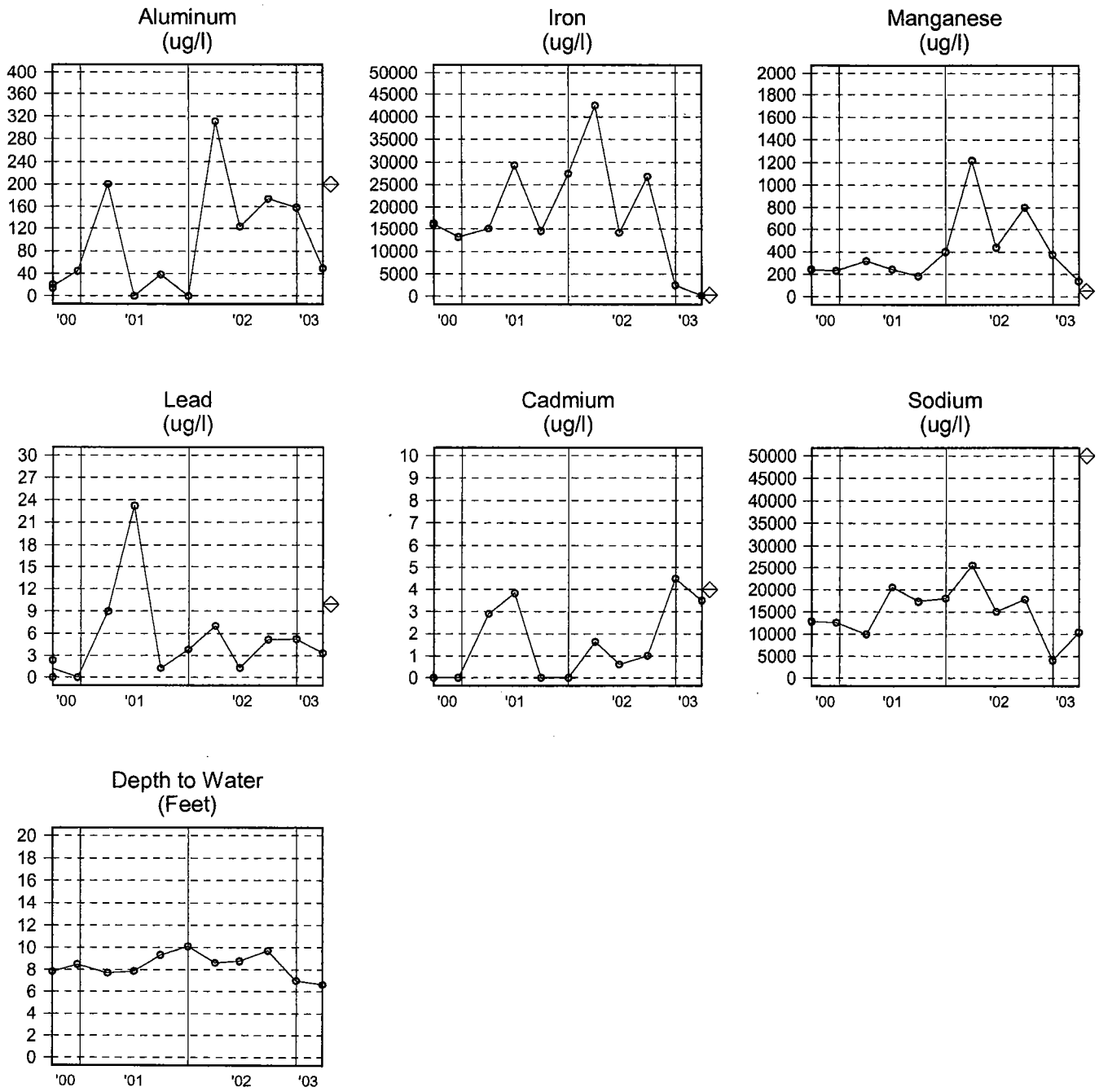
Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 16 of 24

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 00M2MW16

Sampling Dates:
09/26/2000 - 03/25/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 16 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Cadmium	Sodium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	300	50	10	4	50000	-			-
09/25/2000	FMETL	2820	3510	21.7	79.3	0.661	8740	10.01			V,S,P,M
12/26/2000	FMETL	332	541	18.8	ND	ND	7540	10.95			V,S,P,M
03/28/2001	FMETL	500	950	37.4	ND	ND	7200	9.23			V,S,P,M
06/27/2001	FMETL	ND	145	26.8	ND	ND	8920	9.31			V,S,P,M
09/26/2001	FMETL	319	770	21.6	ND	ND	9400	12.29			V,S,P,M
12/20/2001	FMETL	546	1500	25.0	2.26	ND	9460	12.57			V,S,P,M
03/26/2002	FMETL	798	342	32.6	ND	ND	8530	11.79			V,S,P,M
06/19/2002	FMETL	277	236	21.8	ND	ND	8750	11.88			V,S,P,M
09/24/2002	FMETL	237	75600	542	8.55	3.01	18200	12.52			V,S,P,M
12/30/2002	FMETL	647	885	48.8	ND	ND	5820	8.39			V,S,P,M
03/25/2003	FMETL	237	116	23.3	ND	ND	3690	6.37			V,S,P,M

SOURCE: 00M2MW17

Sampling Dates:
09/25/2000 - 03/25/2003

NOTES:

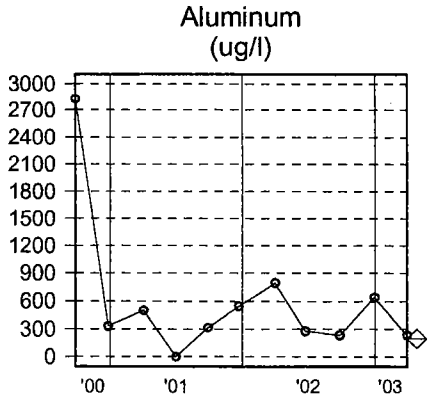
Silver in blank > GW Criteria for May 97.

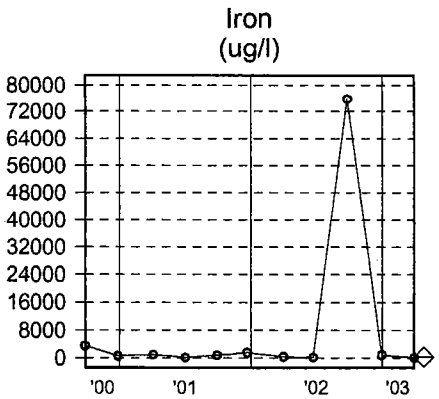
FORT MONMOUTH

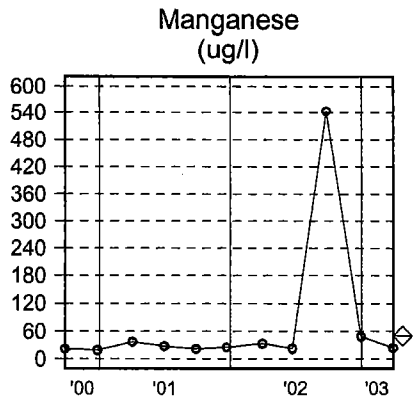
GW MONITORING
Bldg M-2

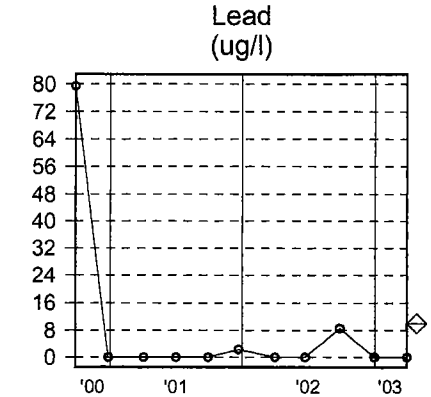
Source 17 of 24

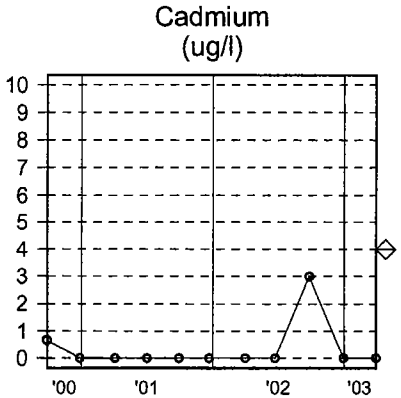
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

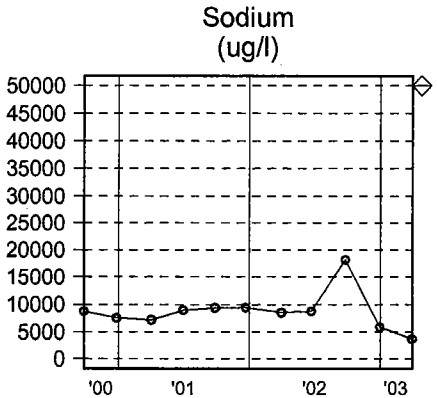


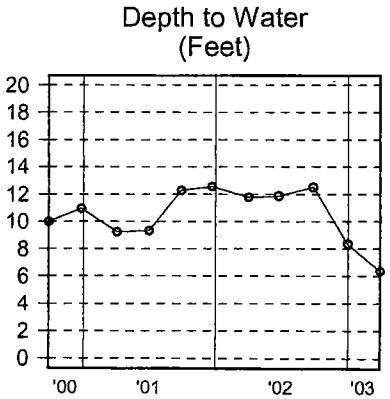












SOURCE: 00M2MW17

Sampling Dates:
09/25/2000 - 03/25/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 17 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	tert-Butyl alcohol	Aluminum	Iron	Manganese	Lead	Cadmium	Sodium	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	NLE	200	300	50	10	4	50000	-		-
09/25/2000	FMETL	ND	7.89	18800	138	8.66	ND	5770	5.21		V,S,P,M
12/26/2000	FMETL	ND	15.1	20900	83.2	ND	ND	5360	6.59		V,S,P,M
03/28/2001	FMETL	ND	50	47900	102	5.00	4.90	5600	6.19		V,S,P,M
06/27/2001	FMETL	ND	ND	35200	85.2	ND	3.57	6040	6.27		V,S,P,M
09/26/2001	FMETL	156.67	ND	20000	78.3	ND	ND	7360	6.85		V,S,P,M
12/20/2001	FMETL	187.48	ND	23700	79.5	29.4	ND	5620	6.84		V,S,P,M
03/26/2002	FMETL	ND	82.3	66900	89.5	3.08	1.91	6550	6.50		V,S,P,M
06/19/2002	FMETL	249.17	22.8	25000	76.8	1.78	ND	7810	6.69		V,S,P,M
09/24/2002	FMETL	209.9	25.3	19200	75.7	ND	1.24	6210	6.93		V,S,P,M
12/30/2002	FMETL	ND	115	62300	88.0	1.35	1.52	5380	7.87		V,S,P,M
03/25/2003	FMETL	ND	37.9	6180	69.1	ND	ND	4330	6.16		V,S,P,M

SOURCE: 00M2MW18

Sampling Dates:
09/25/2000 - 03/25/2003

NOTES:

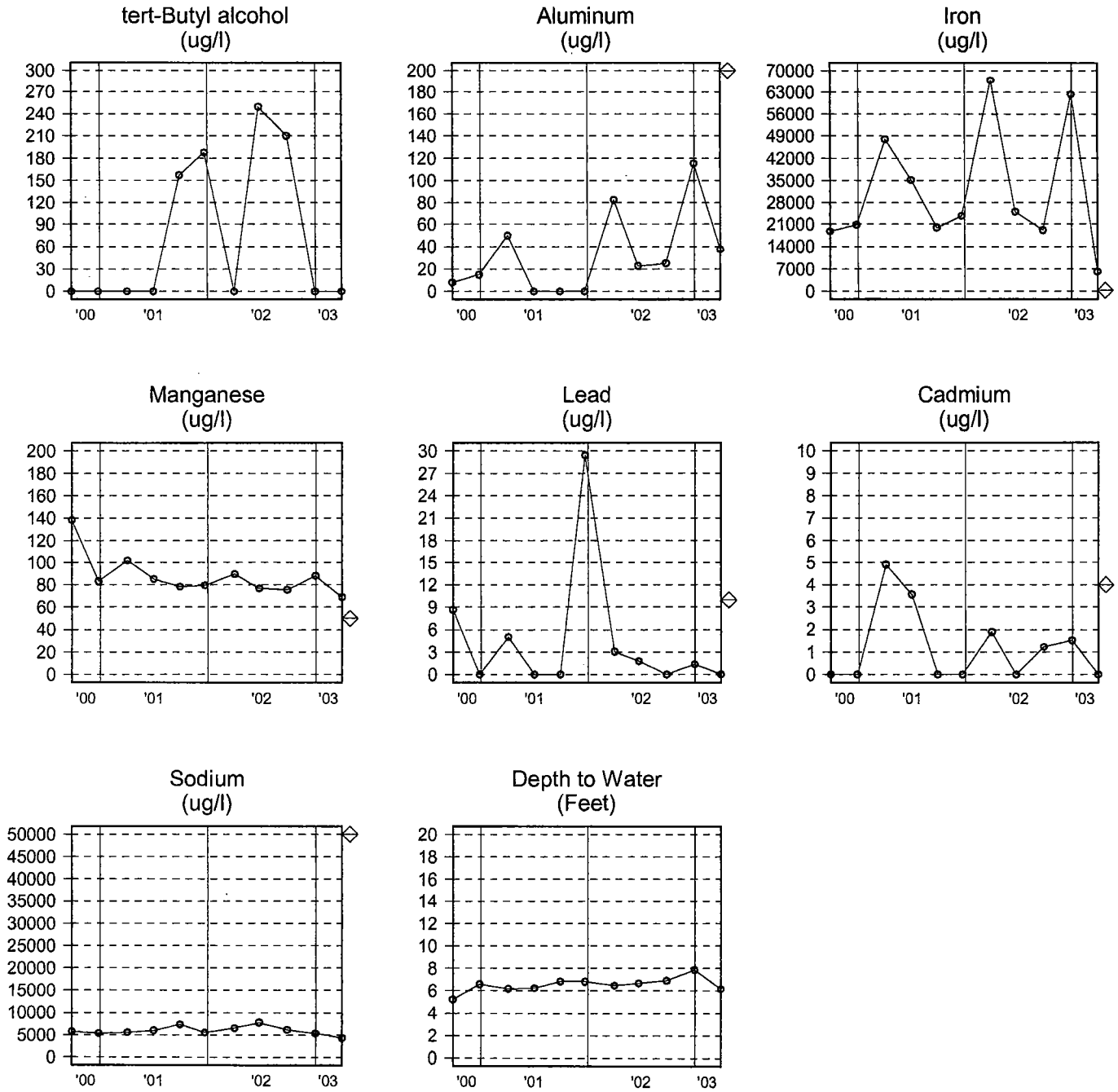
Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 18 of 24

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 00M2MW18

Sampling Dates:
09/25/2000 - 03/25/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 18 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Sodium	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	200	300	50	50000	-					-
09/29/2000	FMETL	48.4	484	54.5	4650	7.61					V,S,P,M
12/26/2000	FMETL	29.3	248	6.19	3140	8.99					V,S,P,M
03/26/2001	FMETL	ND	500	62.3	4200	7.89					V,S,P,M
06/26/2001	FMETL	ND	297	32.7	3450	8.65					V,S,P,M
09/27/2001	FMETL	ND	408	35.8	3370	9.75					V,S,P,M
11/30/2001	FMETL	ND	701	70.5	4520	9.91					V,S,PM
03/26/2002	FMETL	17.2	517	59.1	3510	9.30					V,S,P,M
06/19/2002	FMETL	14.2	1160	39.4	2820	9.35					V,S,P,M
09/20/2002	FMETL	134	315	37.4	2640	9.83					V,S,P,M
12/27/2002	FMETL	ND	131	1.61	2850	7.81					V,S,P,M
03/25/2003	FMETL	44.5	92.6	7.30	3340	7.93					V,S,P,M

SOURCE: 00M2MW19

Sampling Dates:
09/29/2000 - 03/25/2003

NOTES:

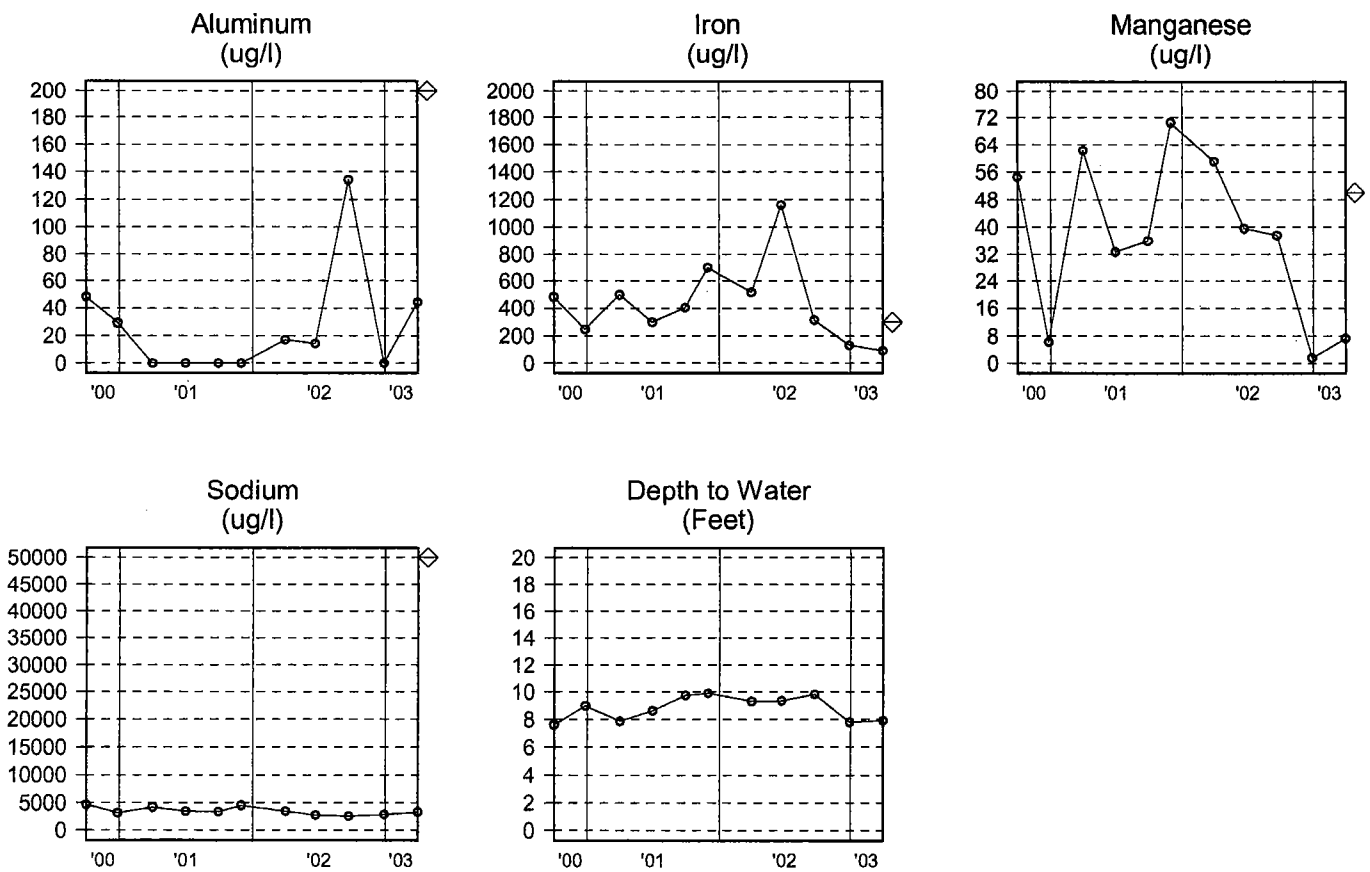
Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 19 of 24

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 00M2MW19

Sampling Dates:
09/29/2000 - 03/25/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 19 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Sodium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	300	50	10	50000	-				-
09/29/2000	FMETL	88.6	1110	53.6	ND	4770	10.04				V,S,P,M
12/26/2000	FMETL	ND	705	17.3	ND	4780	11.35				V,S,P,M
03/26/2001	FMETL	ND	660	40.5	31.0	4000	10.53				V,S,P,M
03/26/2001D	FMETL	20.0	620	37.8	ND	5400	10.53				V,S,P,M
06/26/2001	FMETL	ND	3370	60.9	ND	3380	10.62				V,S,P.M
09/26/2001	FMETL	ND	898	31.7	ND	5830	11.70				V,S,P,M
11/30/2001	FMETL	ND	614	41.1	ND	6320	11.83				V,S,P,M
03/26/2002	FMETL	ND	693	28.4	ND	3570	11.22				V,S,P,M
06/19/2002	FMETL	57.5	1860	54.0	ND	3690	11.45				V,S,P,M
09/20/2002	FMETL	ND	586	23.5	9.29	2790	11.71				V,S,P,M
12/27/2002	FMETL	ND	357	11.8	ND	3030	10.42				V,S,P,M
03/26/2003	FMETL	ND	272	18.0	ND	2370	10.63				V,S,P,M

SOURCE: 00M2MW20

Sampling Dates:
09/29/2000 - 03/26/2003

NOTES:

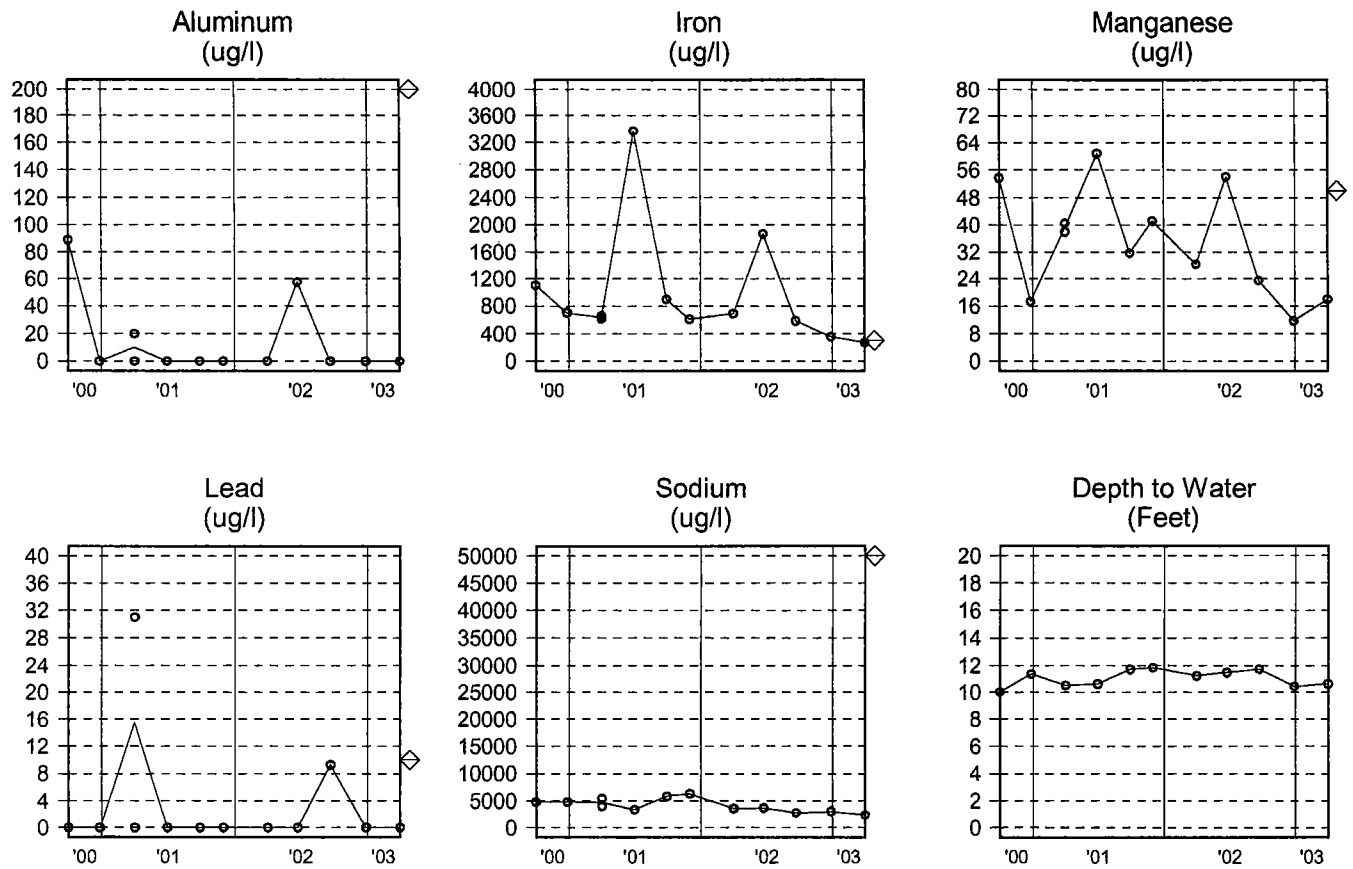
Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 20 of 24

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 00M2MW20

Sampling Dates:
09/29/2000 - 03/26/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 20 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Cadmium	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:	-	1	4	200	300	50	10	4	50000	-	-
09/25/2000	FMETL	2.98	46.86	42.7	64700	644	2.28	ND	18000	9.41	V,S,P,M
12/26/2000	FMETL	4.69	62.09	195	75400	664	10.7	ND	15100	10.93	V,S,P,M
03/28/2001	FMETL	2.14	48.65	200	45300	466	10.0	5.00	14100	9.97	V,S,P,M
06/27/2001	FMETL	2.04	41.06	ND	50600	596	6.91	4.78	15900	10.01	V,S,P,M
09/26/2001	FMETL	3.11	42.08	140	63700	672	2.03	ND	21600	11.46	V,S,P,M
12/20/2001	FMETL	2.12	30.10	ND	80000	792	6.75	0.789	25700	11.64	V,S,P,M
03/26/2002	FMETL	2.69	49.0	189	76200	562	6.76	2.07	15900	10.71	V,S,P,M
06/19/2002	FMETL	3.40	49.87	82.2	72700	532	5.49	ND	18400	10.98	V,S,P,M
09/24/2002	FMETL	2.66	56.87	296	664	18.2	ND	ND	9300	11.39	V,S,P,M
12/30/2002	FMETL	2.03	47.85	57.3	44700	437	2.95	ND	11000	9.01	V,S,P,M
03/25/2003	FMETL	1.09	26.03	79.0	34000	415	1.54	0.475	13200	9.67	V,S,P,M

SOURCE: 00M2MW21

Sampling Dates:
09/25/2000 - 03/25/2003

NOTES:

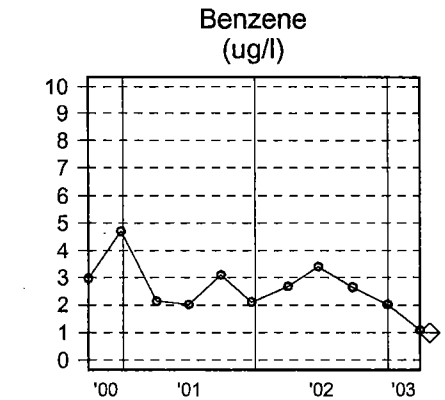
Silver in blank > GW Criteria for May 97.

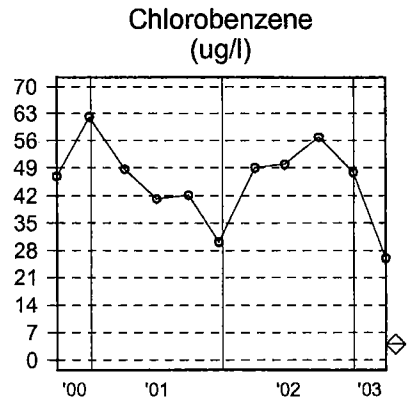
FORT MONMOUTH

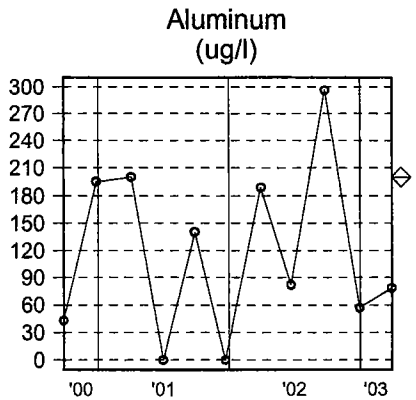
GW MONITORING
Bldg M-2

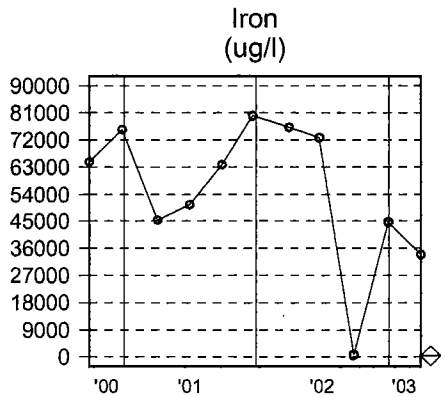
Source 21 of 24

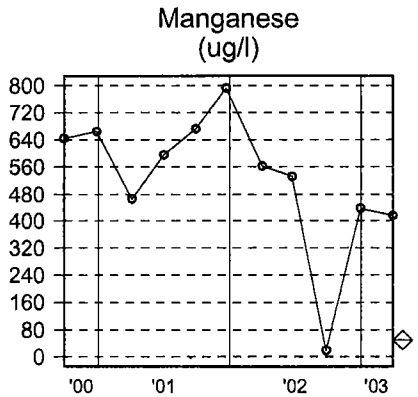
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

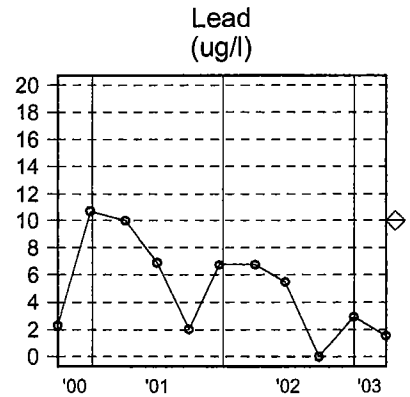


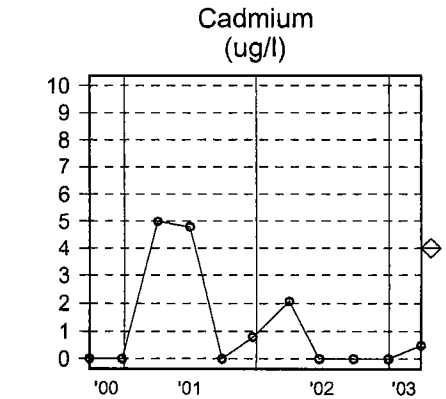


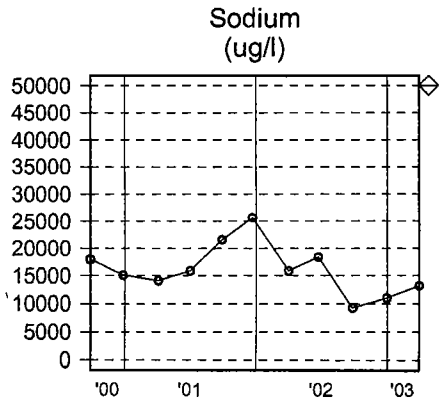


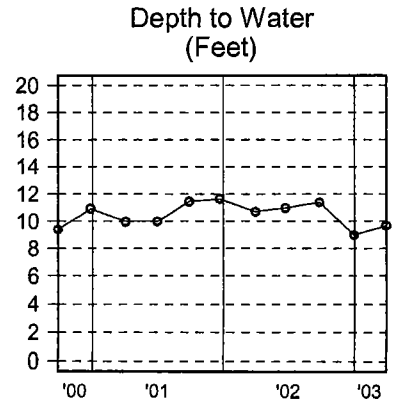












SOURCE: 00M2MW21

Sampling Dates:
09/25/2000 - 03/25/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 21 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	tert-Butyl alcohol	Aluminum	Iron	Manganese	Lead	Cadmium	Sodium	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	NLE	200	300	50	10	4	50000	-		-
09/25/2000	FMETL	389.61	40.3	33500	103	ND	ND	11600	7.61		V,S,P,M
09/25/2000D	FMETL	412.47	13.1	32900	106	1.16	ND	11800	7.61		V,S,P,M
12/26/2000	FMETL	779.33	117	36800	193	ND	ND	12500	8.41		V,S,P,M
03/28/2001	FMETL	404.19	90.0	46300	102	5.00	4.50	10800	7.88		V,S,P,M
06/26/2001	FMETL	437.62	ND	42400	130	1.71	4.05	12100	7.82		V,S,P,M
09/26/2001	FMETL	804.15	54.7	46200	165	ND	ND	11900	8.66		V,S,P,M
12/20/2001	FMETL	784.06	ND	44700	180	1.18	ND	13000	8.60		V,S,P,M
03/26/2002	FMETL	597.69	26.3	44800	103	1.50	1.28	11100	8.14		V,S,P,M
06/19/2002	FMETL	496.34	19.9	40700	104	ND	ND	11300	8.44		V,S,P,M
09/24/2002	FMETL	236.7	19.9	34900	115	1.33	0.67	10800	8.68		V,S,P,M
12/30/2002	FMETL	355.30	44.0	47300	96.8	1.93	0.811	10500	7.83		V,S,P,M
03/25/2003	FMETL	188.07	53.9	17200	82.5	ND	0.492	8450	7.95		V,S,P,M

SOURCE: 00M2MW22

Sampling Dates:
09/25/2000 - 03/25/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

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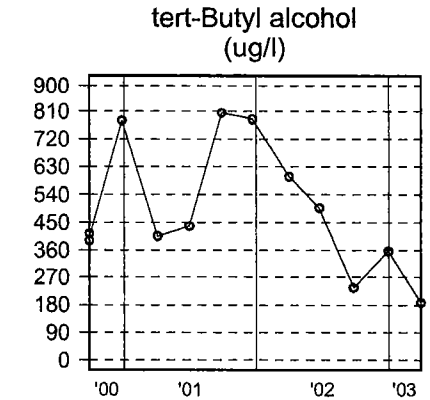
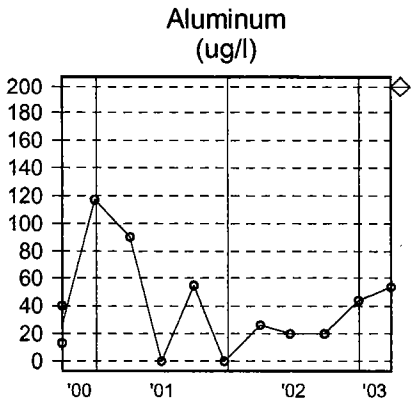
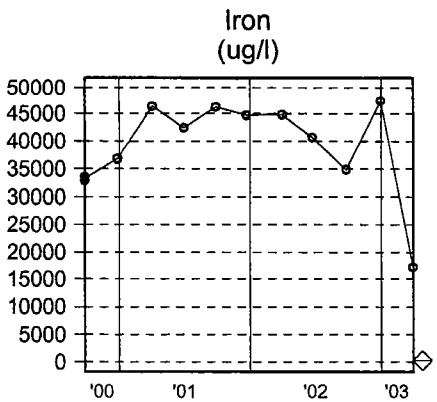
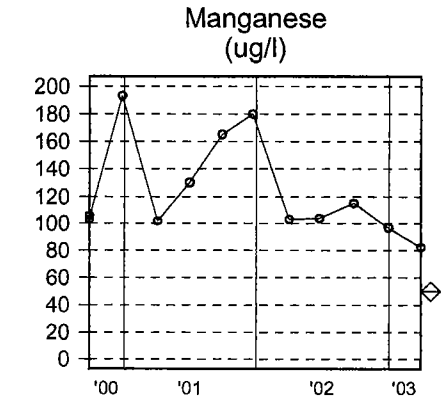
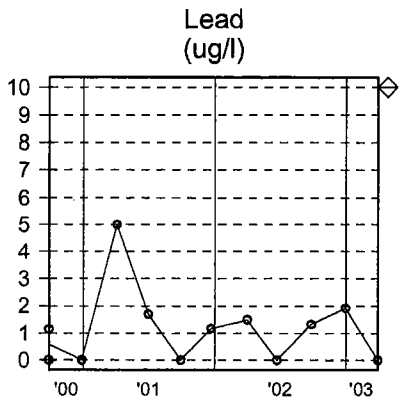
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

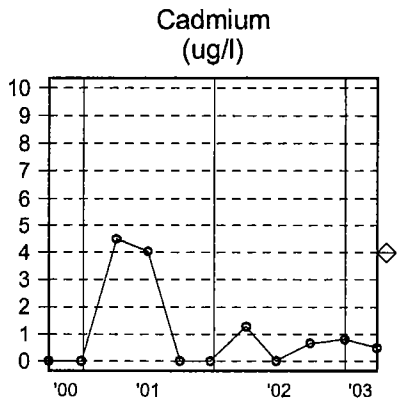


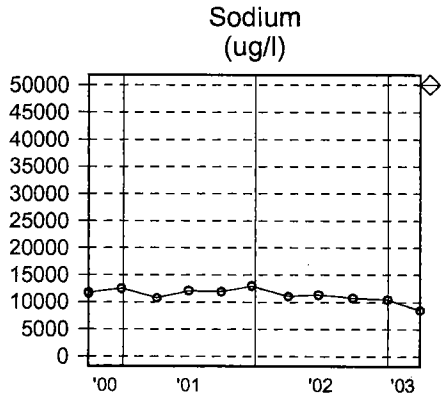


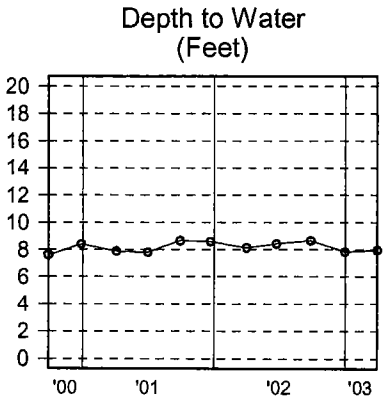












SOURCE: 00M2MW22

Sampling Dates:
09/25/2000 - 03/25/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 22 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Cadmium	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:	-	1	4	200	300	50	10	4	50000	-	-
09/27/2000	FMETL	ND	3.39	ND	5890	47.0	ND	ND	7640	9.21	V,S,P,M
12/20/2000	FMETL	3.49	28.42	ND	39300	174	ND	ND	11000	10.95	V,S,P,M
03/29/2001	FMETL	7.56	57.06	ND	110000	438	16.0	13.4	17400	10.16	V,S,P,M
06/26/2001	FMETL	5.70	38.93	ND	81700	378	3.96	7.85	17700	10.11	V,S,P,M
09/26/2001	FMETL	2.80	22.26	2600	36300	192	13.4	ND	19400	11.23	V,S,P,M
09/26/2001D	FMETL	2.78	22.81	1560	36900	192	4.74	ND	18600	11.23	V,S,P,M
12/20/2001	FMETL	5.27	43.84	ND	47300	192	3.16	ND	24300	11.76	V,S,P,M
03/27/2002	FMETL	5.20	46.5	ND	64500	255	1.73	2.22	18000	10.62	V,S,P,M
06/20/2002	FMETL	2.85	21.59	193	40400	164	1.58	1.06	15500	11.11	V,S,P,M
09/25/2002	FMETL	6.38	68.93	ND	70800	302	3.64	1.71	16000	11.32	V,S,P,M
12/27/2002	FMETL	2.22	22.03	ND	9440	104	ND	ND	18400	9.93	V,S,P,M
03/26/2003	FMETL	ND	7.19	236	40500	87.6	2.86	0.693	11200	9.98	V,S,P,M

SOURCE: 00M2MW23

Sampling Dates:
09/27/2000 - 03/26/2003

NOTES:

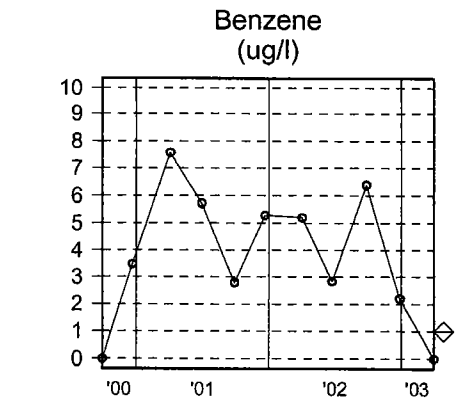
Silver in blank > GW Criteria for May 97.

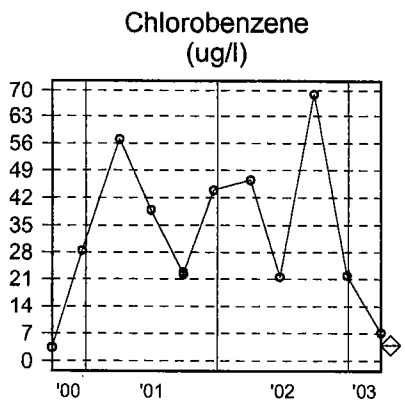
FORT MONMOUTH

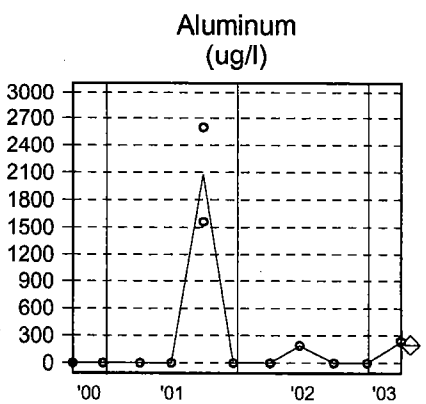
GW MONITORING
Bldg M-2

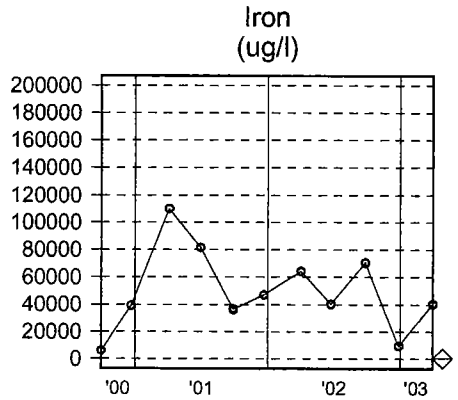
Source 23 of 24

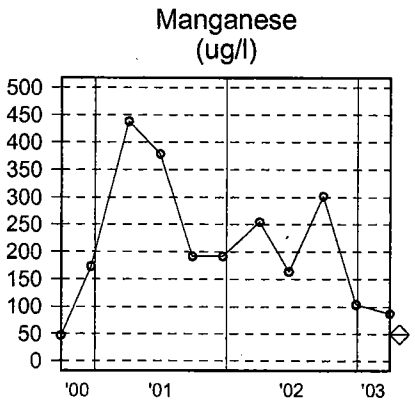
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

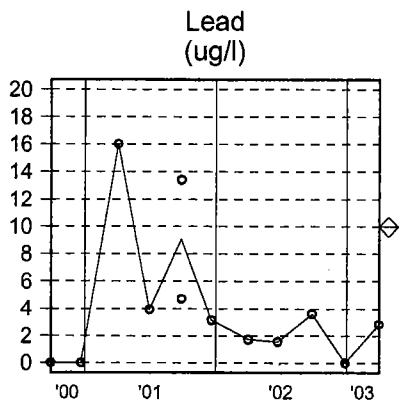


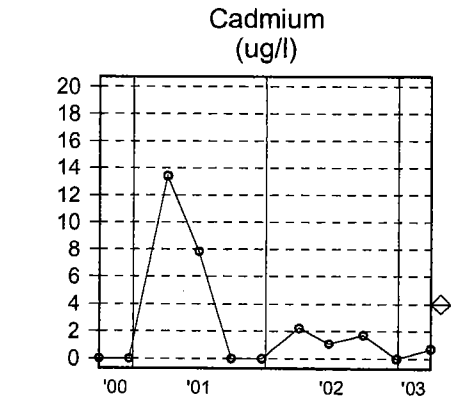


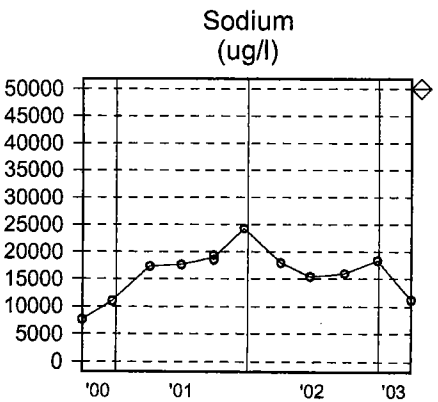


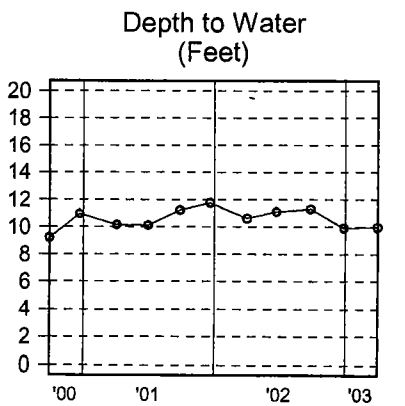












SOURCE: 00M2MW23

Sampling Dates:
09/27/2000 - 03/26/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 23 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Cadmium	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:	-	1	4	200	300	50	10	4	50000	-	-
09/26/2000	FMETL	3.28	9.92	32.4	63500	663	ND	ND	9440	5.55	V,S,P,M
12/20/2000	FMETL	3.86	10.65	94.8	72400	684	6.15	ND	10000	9.26	V,S,P,M
03/28/2001	FMETL	2.85	8.30	ND	60200	710	61.0	6.50	5700	8.30	V,S,P,M
06/26/2001	FMETL	1.54	5.68	ND	51500	654	2.28	4.77	8410	8.98	V,S,P,M
06/26/2001D	FMETL	1.41	5.16	ND	52700	657	1.32	4.80	8590	8.98	V,S,P,M
09/27/2001	FMETL	1.93	6.38	16.1	62000	723	3.50	ND	8110	10.15	V,S,P,M
12/20/2001	FMETL	2.14	6.76	ND	85600	819	4.37	3.49	9210	10.44	V,S,P,M
03/26/2002	FMETL	3.79	11.37	ND	85200	753	3.46	1.60	9970	9.59	V,S,P,M
06/19/2002	FMETL	3.56	11.95	ND	78700	755	2.96	ND	8530	10.05	V,S,P,M
09/25/2002	FMETL	2.65	8.49	14.3	75500	820	2.48	1.86	9100	10.08	V,S,P,M
12/30/2002	FMETL	2.22	8.66	ND	65100	823	3.12	O.755	11100	8.30	V,S,P,M
03/26/2003	FMETL	1.72	5.05	39.1	45700	660	0.974	0.614	8540	8.33	V,S,P,M

SOURCE: 00M2MW24

Sampling Dates:
09/26/2000 - 03/26/2003

NOTES:

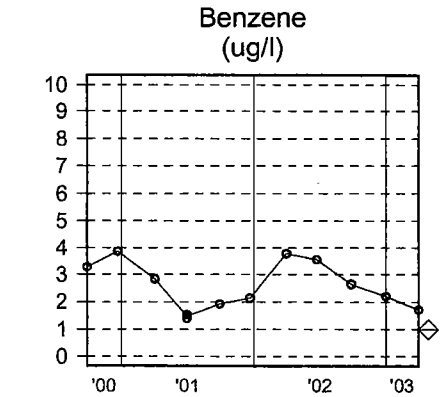
Silver in blank > GW Criteria for May 97.

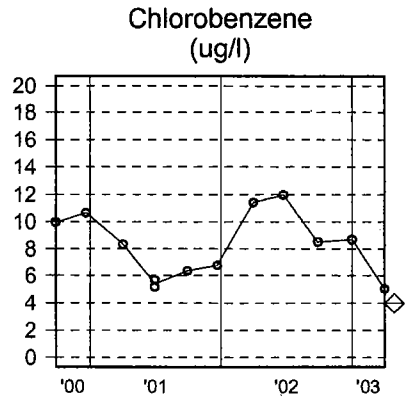
FORT MONMOUTH

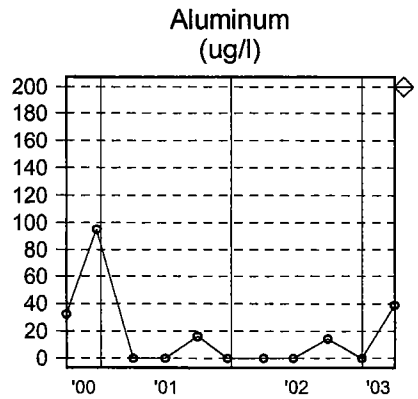
GW MONITORING
Bldg M-2

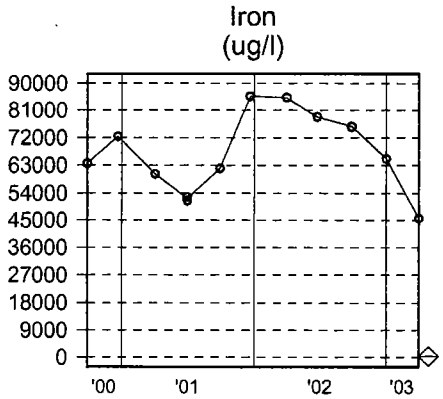
Source 24 of 24

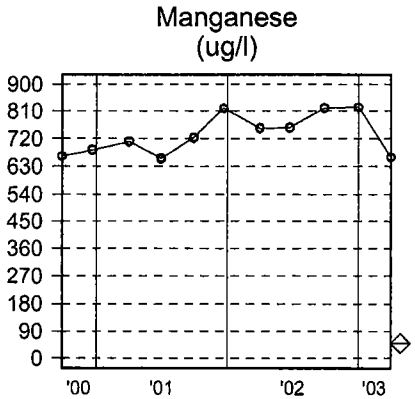
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

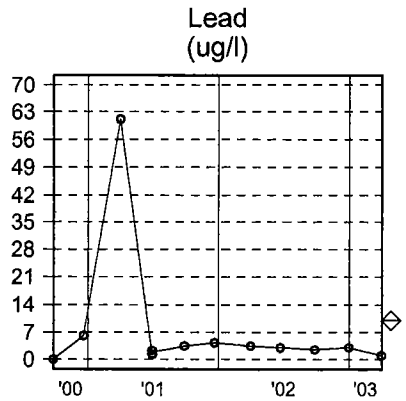


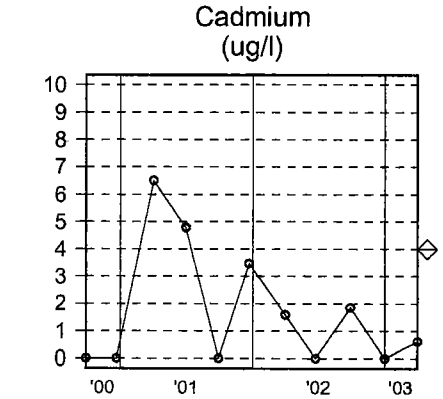


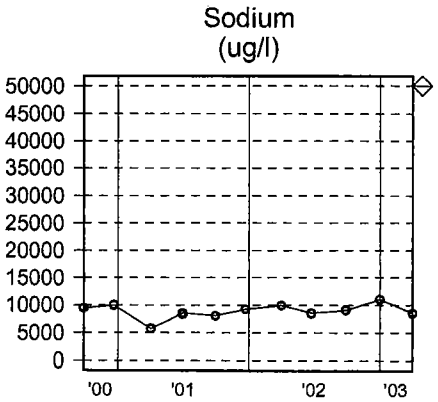


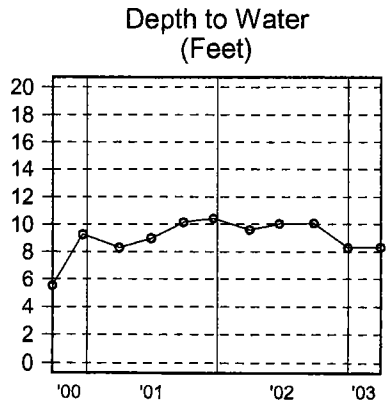












SOURCE: 00M2MW24

Sampling Dates:
09/26/2000 - 03/26/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 24 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-28-2003 X:\MtechData\M-2\M2.WSF

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732)532-6224 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-2

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
3027309	00M2MW01	29-32584	06/06/03
3027404	00M2MW02	29-32585	06/09/03
3027305	00M2MW03	29-32586	06/06/03
3027311	00M2MW04	29-37988	06/06/03
3027408	00M2MW05	29-39185	06/09/03
3027415	00M2MW06	29-39184	06/09/03
3027409	00M2MW07	29-39183	06/09/03
3027310	00M2MW08	29-39182	06/06/03
3027412	00M2MW09	29-39181	06/09/03
3027304	00M2MW10	29-39180	06/06/03
3027413	00M2MW11	29-42769	06/09/03
3027414	00M2MW12	29-42770	06/09/03
3027307	00M2MW13	29-42771	06/06/03
3027306	00M2MW14	29-42562	06/06/03
3027315	00M2MW15	29-42773	06/06/03
3027312	00M2MW16	29-42774	06/06/03
3027407	00M2MW17	29-42775	06/09/03
3027406	00M2MW18	29-42776	06/09/03
3027411	00M2MW19	29-42777	06/09/03
3027410	00M2MW20	29-42778	06/09/03
3027314	00M2MW21	29-42779	06/06/03
3027405	00M2MW22	29-42780	06/09/03
3027308	00M2MW23	29-42781	06/06/03
3027313	00M2MW24	29-42772	06/06/03

NJDEP Laboratory Certification #13461

7-29-03

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. FALLON
Phone #: 426223
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: M2 wells
2nd Qtr '03

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters: VO+15 | TAL Mtls | Pest/PCB | BNA+25 | | | | Hno Rend

Comments: HCL/ HNO_3 /4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VO+15	TAL Mtls	Pest/PCB	BNA+25				Hno Rend	Remarks / Preservation Method
30273 01	Trip I	6/6/03	0700	AQ	2	✓							—	
02	Field Blank I		0730		5	✓	✓	✓	✓				—	
03	Dupe I		—		5	✓	✓	✓	✓				—	
04	M2MW10		1036		5	✓	✓	✓	✓				0.0	29- 39180
05	M2MW03		0850		5	✓	✓	✓	✓				0.0	29- 32586
06	M2MW14		0906		9	✓	✓	✓	✓				0.0	29- 42562
07	M2 MW13		0913		5	✓	✓	✓	✓				0.0	29-42771
08	M2 MW23		0924		5	✓	✓	✓	✓				0.0	29-42781
09	M2 MW01 *		0957		5	✓	✓	✓	✓				0.0	29- 32584
10	M2 MW08		1311		5	✓	✓	✓	✓				0.0	29- 39182
11	M2 MW04		1333		5	✓	✓	✓	✓				0.0	29- 37988
12	M2 MW16		1410		5	✓	✓	✓	✓				0.0	29- 42774
13	M2 MW24		1356		5	✓	✓	✓	✓				0.0	29-42772
14	M2 MW21		1340		5	✓	✓	✓	✓				0.0	29-42779

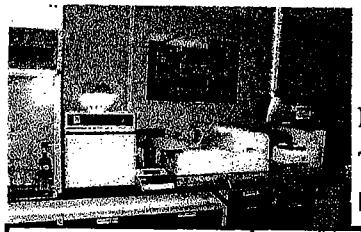
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	6/9/03 730	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Tide: H

print legibly

COC XLS 4/28/2003



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
Phone #: 126223
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: M2 wells
2nd Qtr '03

Samplers Name / Company: Corey McLoughlin, TUS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VO +15	TAL mtls	Pest/PCB	BNA +25				HNU Read	Remarks / Preservation Method
30273 15	M2mw15	6/6/03	1317	AQ	5	✓	✓	✓	✓				0.0	29-42773

Comments: HCL/HNO3 /4°C

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McLoughlin	6/9/03 730	J. Dugue			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Tide: H-7L

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COC XLS 4/22/2003

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
Phone #: X216223
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: M2 Wells
2nd Qtr '03 Part II

Samplers Name / Company: Corey McCormack, TUS

Comments: MCL/HNO3 / 4°C

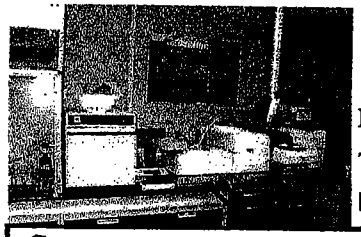
LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOC+15	TAL metals	Pest/PCB	BNA+25				Hexane Ext	Remarks / Preservation Method
30274 01	Trip	6/9/03	0710	AQ	2	✓							—	
02	Field Blank		0759		5	✓	✓	✓	✓				—	
03	Dupe		—		5	✓	✓	✓	✓				—	
04	M2MW02		1004		5	✓	✓	✓	✓				0.0	29-32585
05	M2mw22		1213			✓	✓	✓	✓				0.0	29-42780
06	M2mw18		1331			✓	✓	✓	✓				0.0	29-42776
07	M2mw17		1107			✓	✓	✓	✓				0.0	29-42775
08	M2mw05		0933			✓	✓	✓	✓				0.0	29-39185
09	M2mw07		1041			✓	✓	✓	✓				0.0	29-39183
10	M2mw20 *		0939			✓	✓	✓	✓				0.0	29-42778
11	M2mw19		1129			✓	✓	✓	✓				0.0	29-~~39~~ 42777
12	M2mw09		0837			✓	✓	✓	✓				0.0	29-39181
13	M2mw11		1423			✓	✓	✓	✓				0.0	29-42769
14	M2mw12		1507			✓	✓	✓	✓				0.0	29-42770

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	6/9/03 1000	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
		[signature]			

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

Remarks:
Tide: LOW

print legibly



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:
Phone #:
( )DERA ( )OMA ( )Other:_____

Project No:
Location: M8 wells
2nd Qtr '03 Prt II

Samplers Name / Company: Corey McCormack, TVS

Comments: HCL/HNO3/CYC

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VO +15	TAL Mtls	Pest/PCB	BNA +15				Hw Lead	Remarks / Preservation Method
30274 15	M2 mw06	6/9/03	0810	AQ	5	✓	✓	✓	✓				00	29-39184

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	6/9/03 1100	J. Velez			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Tide: L-H

print legibly

LTM Depth to Water

Location: M2
Date: 06/06/03

Well	NJDEP Well ID	Depth of Well Feet	Well Diameter Inch	Depth to Water Feet
M2MW01	29-32584	24.22	4	4.6
M2MW02	29-32585	19.24	4	9.26
M2MW03	29-32586	16.92	4	6.8
M2MW04	29-37988	21.05	4	8.19
M2MW05	29-39185	13.85	4	5.63
M2MW06	29-39184	18.5	4	7.6
M2MW07	29-39183	16.71	4	6.27
M2MW08	29-39182	20.88	4	6.05
M2MW09	29-39181	21.5	4	7.53
M2MW10	29-39180	22.31	4	7.07
M2MW11	29-42769	51.95	4	8.36
M2MW12	29-42770	51.98	4	8.2
M2MW13	29-42771	22.25	4	9.46
M2MW14	29-42562	23.05	4	9.59
M2MW15	29-42773	22.13	4	9.43
M2MW16	29-42774	22.08	4	6.41
M2MW17	29-42775	23.14	4	5.77
M2MW18	29-42776	22.25	4	5.73
M2MW19	29-42777	52.91	4	11.27
M2MW20	29-42778	53.3	4	10.97
M2MW21	29-42779	22.31	4	9.38
M2MW22	29-42780	22.47	4	7.42
M2MW23	29-42781	22.92	4	9.71
M2MW24	29-42772	22.04	4	8.05

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW01
NJDEP ID #: 29-32584
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/06/03
WEATHER: Sunny and cool.
TIDE: High.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 4.60 ft
DEPTH OF WELL: 24.22 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 20.22 ft
(20.22) X .65 X 3 =39.42
GALLONS OF H_2O TO BE PURGED: 39 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 07:07
pH 7.03 su
DISSOLVED O_2 4.80 mg/L
TEMP 11.91 °C
SPECIFIC CONDUCTIVITY 276.3 ms/cm

PURGE END TIME: 09:56
pH 7.00 su
DISSOLVED O_2 2.38 mg/L
TEMP 11.82 °C
SPECIFIC CONDUCTIVITY 281.1 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.57 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 39 gal

SAMPLE START TIME: 09:57
pH 7.00 su
DISSOLVED O_2 2.39 mg/L
TEMP 11.81 °C
SPECIFIC CONDUCTIVITY 281.2 ms/cm

SAMPLE END TIME: 10:02

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW02
NJDEP ID #: 29-32585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/09/03
WEATHER: Overcast and cool.
TIDE:

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.28 ft
DEPTH OF WELL: 19.24 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.96 ft
(9.96) X .65 X 3 =19.42
GALLONS OF H_2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:41
pH 6.79 su
DISSOLVED O_2 3.81 mg/L
TEMP 11.98 °C
SPECIFIC CONDUCTIVITY 327.6 ms/cm

PURGE END TIME: 10:03
pH 6.83 su
DISSOLVED O_2 2.17 mg/L
TEMP 11.76 °C
SPECIFIC CONDUCTIVITY 479.1 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.94 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 10:04
pH 6.84 su
DISSOLVED O_2 2.18 mg/L
TEMP 11.77 °C
SPECIFIC CONDUCTIVITY 480.3 ms/cm

SAMPLE END TIME: 10:10

COMMENTS: Slightly cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW03
NJDEP ID #: 29-32586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/06/03
WEATHER: Sunny and cool.
TIDE: High.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.80 ft
DEPTH OF WELL: 16.92 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.12 ft
(10.12) X .65 X 3 =19.73
GALLONS OF H_2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 07:22
pH 6.87 su
DISSOLVED O_2 4.20 mg/L
TEMP 11.91 °C
SPECIFIC CONDUCTIVITY 630.1 ms/cm

PURGE END TIME: 08:49
pH 6.89 su
DISSOLVED O_2 2.41 mg/L
TEMP 11.87 °C
SPECIFIC CONDUCTIVITY 657.9 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.79 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 08:50
pH 6.90 su
DISSOLVED O_2 2.39 mg/L
TEMP 11.87 °C
SPECIFIC CONDUCTIVITY 657.9 ms/cm

SAMPLE END TIME: 08:55

COMMENTS: Black particles.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW04
NJDEP ID #: 29-37988
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/06/03
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: 8.19 ft
DEPTH OF WELL: 21.05 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 H_2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:44
pH 6.79 su
TEMP 11.93 °C
DISSOLVED O_2 4.76 mg/L
SPECIFIC CONDUCTIVITY 179.4 ms/cm

PURGE END TIME: 13:32
pH 6.83 su
TEMP 11.77 °C
DISSOLVED O_2 2.89 mg/L
SPECIFIC CONDUCTIVITY 183.9 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.82 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 13:33
pH 6.84 su
TEMP 11.77 °C
DISSOLVED O_2 2.90 mg/L
SPECIFIC CONDUCTIVITY 184.7 ms/cm

SAMPLE END TIME: 13:38

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW05
NJDEP ID #: 29-39185
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/09/03
WEATHER: Overcast and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 5.68 ft
DEPTH OF WELL: 13.85 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.17 ft
(8.17) X .163 X 3 =3.99
GALLONS OF H_2O TO BE PURGED: 4 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:15
pH 6.81 su — TEMP 12.11 °C
DISSOLVED O_2 3.10 mg/L — SPECIFIC CONDUCTIVITY 276.4 ms/cm

PURGE END TIME: 09:32
pH 6.72 su — TEMP 11.89 °C
DISSOLVED O_2 2.71 mg/L — SPECIFIC CONDUCTIVITY 283.1 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.67 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 4 gal

SAMPLE START TIME: 09:33
pH 6.72 su — TEMP 11.88 °C
DISSOLVED O_2 2.63 mg/L — SPECIFIC CONDUCTIVITY 284.2 ms/cm

SAMPLE END TIME: 09:38

COMMENTS: Cloudy and orange.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 0M2MW06
NJDEP ID #: 29-39184
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/09/03
WEATHER: sunny, warm.
TIDE: L -> H
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 5.33 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:141.0 μ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp.: N/A
Turb: DI H_2O for 0.0 NTU/1.0, 10.0, 100.0, YSI Cal Sol

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2 INCH
DEPTH TO WATER: 7.60 ft
Before Purge Start: 7.60 ft previous Day: N/A ft After Sampling: 8.10 ft
DEPTH OF WELL: 18.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE: 17 FT TUBING: Food Grade ¼" Polyethylene
HEIGHT OF WATER: 10.90 ft
(10.90) X .163 X 3 = 5.33 (.163 for 2")
GALLONS OF H2O TO BE PURGED: 5 Gal
PURGE METHOD: (FLOW at >100 TO <500 gpm): 2" REDIFLO 2 GRUNDPHOS SUBMERSIBLE PUMP
Purged at * mL/Min start Gal/Min. (ml to gal.:ml(.0002642)=gal)
PURGE RATE: * gpm
Hnu READING: 0.0 ppm (Well) start @450 ml/min @ 0750
Hnu READING: 0.0 ppm (Well Cap) to 255 ml/min @ 0700 to 245 ml/min @ 0710

PURGE START TIME:0700
pH 6.86 su ORP N/A mv TEMP 16.34 °C Turb 98 NTU
DISSOLVED O_2 2.35 mg/L Sp. CONDUCTIVITY 177.1 us/cm

PURGE END TIME: 0809
pH 6.77 su ORP N/A mv TEMP 15.88 °C Turb 3.32 NTU
DISSOLVED O_2 0.87 mg/L Sp. CONDUCTIVITY 132.5 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 8.10 ft
(SAMPLING METHOD: (Through pump and tubing. Flow cell disconnected)

SAMPLE START TIME: 0810
pH 6.78 su . ORP N/A mv TEMP 15.86 °C Turb 3.17 NTU
DISSOLVED O_2 0.87 mg/L Sp. CONDUCTIVITY 132.2 ms/cm
SAMPLE END TIME: 0814
ANALYTES : VOA+15, TAL Mtls, Pest/PCB, BNA+25
COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW07
NJDEP ID #: 29-39183
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/09/03
WEATHER: Overcast and cool.
TIDE:

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 6.31 ft
DEPTH OF WELL: 16.71 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.40 ft
(10.40) X .163 X 3 =5.08
GALLONS OF H_2O TO BE PURGED: 5 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:18
pH 6.31 su
DISSOLVED O_2 2.71 mg/L
TEMP 12.63 °C
SPECIFIC CONDUCTIVITY 158.9 us/cm

PURGE END TIME: 10:40
pH 6.49 su
DISSOLVED O_2 1.40 mg/L
TEMP 12.51 °C
SPECIFIC CONDUCTIVITY 158.1 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.75 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 5 gal

SAMPLE START TIME: 10:41
pH 6.50 su
DISSOLVED O_2 1.39 mg/L
TEMP 12.50 °C
SPECIFIC CONDUCTIVITY 158.1 us/cm

SAMPLE END TIME: 10:46

COMMENTS: Low draw down, cloudy and brown.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW08
NJDEP ID #: 29-39182
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/06/03
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 6.05 ft
DEPTH OF WELL: 20.88 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 14.83 ft
(14.83) X .163 X 3 =7.25
GALLONS OF H_2O TO BE PURGED: 7 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:40
pH 7.20 su
TEMP 11.91 °C
DISSOLVED O_2 3.82 mg/L
SPECIFIC CONDUCTIVITY 381.7 ms/cm

PURGE END TIME: 13:10
pH 7.10 su
TEMP 11.76 °C
DISSOLVED O_2 1.99 mg/L
SPECIFIC CONDUCTIVITY 392.3 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.65 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 7 gal

SAMPLE START TIME: 13:11
pH 7.09 su
TEMP 11.77 °C
DISSOLVED O_2 2.02 mg/L
SPECIFIC CONDUCTIVITY 393.4 ms/cm

SAMPLE END TIME: 13:16

COMMENTS: Cloudy while bailing.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW09
NJDEP ID #: 29-39181
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/09/03
WEATHER: Sunny, warm
TIDE: L -> H
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 5.33 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:141.0 μ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp.: N/A
Turb: DI H_2O for 0.0 NTU/1.0, 10.0, 100.0, YSI Cal Sol

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2 INCH
DEPTH TO WATER: 7.53 ft
Before Purge Start: 7.53 ft Previous Day: N/A ft After Sampling: 8.23 ft
DEPTH OF WELL: 21.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE: 18.00 FT TUBING: Food Grade ¼" Polyethylene
HEIGHT OF WATER: 13.97 ft
(13.97) X .163 X 3 = 6.83 (.163 for 2")
GALLONS OF H2O TO BE PURGED: 7 Gal
PURGE METHOD: (FLOW at >100 TO <500 gpm): 2" REDIFLO 2 GRUNDPHOS SUBMERSIBLE PUMP
Purged at * mL/Min to Gal/Min. (ml to gal.:ml(0002642)=gal)
PURGE RATE: * gpm
Start @ 365 ml/min @ 0815 to
300 ml/min @ 0820 to 280 ml/min @ 0825 until end.
Hnu READING: 0.0 ppm (Well)
Hnu READING: 0.0 ppm (Well Cap)

PURGE START TIME: 0815
pH 6.88 su ORP N/A mv TEMP 17.23 °C Turb 49.1 NTU
DISSOLVED O_2 2.16 mg/L Sp. CONDUCTIVITY 276.9 ms/cm

PURGE END TIME: 0836
pH 6.75 su ORP N/A mv TEMP 16.81 °C Turb 3.67 NTU
DISSOLVED O_2 1.11 mg/L Sp. CONDUCTIVITY 266.4 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 8.23 ft
(SAMPLING METHOD: (Through pump and tubing. Flow cell disconnected)

SAMPLE START TIME: 0837
pH 6.75 su ORP N/A mv TEMP 16.80 °C Turb 3.56 NTU
DISSOLVED O_2 1.00 mg/L Sp. CONDUCTIVITY 266.5 ms/cm
SAMPLE END TIME: 0842
ANALYTES : VOA+15, ABN+25, Pest/PCB's, TAL Metals
COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW10
NJDEP ID #: 29-39180
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/06/03
WEATHER: Sunny and cool.
TIDE: High.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 7.07 ft
DEPTH OF WELL: 22.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 15.24 ft
(15.24) X .163 X 3 =7.45
GALLONS OF H_2O TO BE PURGED: 7 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:05
pH 7.20 su
DISSOLVED O_2 3.59 mg/L
TEMP 11.94 °C
SPECIFIC CONDUCTIVITY 476.3 ms/cm

PURGE END TIME: 10:35
pH 7.27 su
DISSOLVED O_2 2.27 mg/L
TEMP 11.90 °C
SPECIFIC CONDUCTIVITY 479.2 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.47 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 7 gal

SAMPLE START TIME: 10:36
pH 7.28 su
DISSOLVED O_2 2.28 mg/L
TEMP 11.90 °C
SPECIFIC CONDUCTIVITY 480.1 ms/cm

SAMPLE END TIME: 10:39

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW11
NJDEP ID #: 29-42769
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/09/03
WEATHER: Sunny and cool.
TIDE: High.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.37 ft
DEPTH OF WELL: 51.95 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 43.58 ft
(43.58) X .65 X 3 =84.98
GALLONS OF H2O TO BE PURGED: 85 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 2.94 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:52
pH 7.94 su
TEMP 14.07 °C
DISSOLVED O_2 4.52 mg/L
SPECIFIC CONDUCTIVITY 116.5 ms/cm

PURGE END TIME: 14:21
pH 8.01 su
TEMP 14.06 °C
DISSOLVED O_2 1.55 mg/L
SPECIFIC CONDUCTIVITY 117.0 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 12.58 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 85 gal

SAMPLE START TIME: 14:22
pH 8.02 su
TEMP 14.06 °C
DISSOLVED O_2 1.42 mg/L
SPECIFIC CONDUCTIVITY 117.1 ms/cm

SAMPLE END TIME: 14:23

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW12
NJDEP ID #: 29-42770
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/09/03
WEATHER: Sunny and cool.
TIDE: High.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.48 ft
DEPTH OF WELL: 51.98 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 43.77 ft
(43.77) X .65 X 3 =85.35
GALLONS OF H2O TO BE PURGED: 85 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.72 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 14:37
pH 8.15 su — TEMP 14.76 °C
DISSOLVED O_2 4.35 mg/L — SPECIFIC CONDUCTIVITY 111.4 ms/cm

PURGE END TIME: 15:06
pH 8.20 su — TEMP 14.76 °C
DISSOLVED O_2 0.58 mg/L — SPECIFIC CONDUCTIVITY 111.5 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.55 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 85 gal

SAMPLE START TIME: 15:07
pH 8.21 su — TEMP 14.75 °C
DISSOLVED O_2 0.45 mg/L — SPECIFIC CONDUCTIVITY 111.7 ms/cm

SAMPLE END TIME: 15:13

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW13
NJDEP ID #: 29-42771
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/06/03
WEATHER: Sunny and cool.
TIDE: High.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.46 ft
DEPTH OF WELL: 22.25 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.79 ft
(12.79) X .65 X 3 =24.94
GALLONS OF H_2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 07:16
pH 6.93 su — TEMP 11.89 °C
DISSOLVED O_2 3.90 mg/L — SPECIFIC CONDUCTIVITY 221.7 ms/cm

PURGE END TIME: 09:04
pH 6.87 su — TEMP 11.83 °C
DISSOLVED O_2 2.37 mg/L — SPECIFIC CONDUCTIVITY 238.5 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.50 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 09:13
pH 6.86 su — TEMP 11.82 °C
DISSOLVED O_2 2.36 mg/L — SPECIFIC CONDUCTIVITY 238.6 ms/cm

SAMPLE END TIME: 09:18

COMMENTS: Low draw down. Cloudy and yellow while bailing.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW14
NJDEP ID #: 29-42562
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/06/03
WEATHER: Sunny and cool.
TIDE: High.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.59 ft
DEPTH OF WELL: 23.05 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.46 ft
(13.46) X .65 X 3 =26.24
GALLONS OF H_2O TO BE PURGED: 26 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 07:12
pH 6.79 su — TEMP 11.98 °C
DISSOLVED O_2 3.87 mg/L — SPECIFIC CONDUCTIVITY 219.3 ms/cm

PURGE END TIME: 09:05
pH 6.73 su — TEMP 11.90 °C
DISSOLVED O_2 2.27 mg/L — SPECIFIC CONDUCTIVITY 257.6 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.64 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 26 gal

SAMPLE START TIME: 09:06
pH 6.74 su — TEMP 11.90 °C
DISSOLVED O_2 2.22 mg/L — SPECIFIC CONDUCTIVITY 257.7 ms/cm

SAMPLE END TIME: 09:11

COMMENTS: MS/MSD here. Slightly cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW15
NJDEP ID #: 29-42773
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/06/03
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: 9.43 ft
DEPTH OF WELL: 22.13 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.70 ft
(12.70) X .65 X 3 =24.76
GALLONS OF H_2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:38
pH 7.01 su
TEMP 11.93 °C
DISSOLVED O_2 3.92 mg/L
SPECIFIC CONDUCTIVITY 178.9 ms/cm

PURGE END TIME: 13:16
pH 6.89 su
TEMP 11.77 °C
DISSOLVED O_2 2.51 mg/L
SPECIFIC CONDUCTIVITY 183.9 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.40 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 13:17
pH 6.90 su
TEMP 11.78 °C
DISSOLVED O_2 2.50 mg/L
SPECIFIC CONDUCTIVITY 184.7 ms/cm

SAMPLE END TIME: 13:21

COMMENTS: Cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW16
NJDEP ID #: 29-42774
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/06/03
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: 6.41 ft
DEPTH OF WELL: 22.08 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 15.67 ft
(15.67) X .65 X 3 =30.55
GALLONS OF H_2O TO BE PURGED: 31 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:55
pH 5.87 su — TEMP 13.45 °C
DISSOLVED O_2 0.14 mg/L — SPECIFIC CONDUCTIVITY 134.2 ms/cm

PURGE END TIME: 14:09
pH 5.90 su — TEMP 13.45 °C
DISSOLVED O_2 0.08 mg/L — SPECIFIC CONDUCTIVITY 132.5 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.07 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 31 gal

SAMPLE START TIME: 14:10
pH 5.91 su — TEMP 13.46 °C
DISSOLVED O_2 0.07 mg/L — SPECIFIC CONDUCTIVITY 132.6 ms/cm

SAMPLE END TIME: 14:15

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW17
NJDEP ID #: 29-42775
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/09/03
WEATHER: Overcast and cool.
TIDE:

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.80 ft
DEPTH OF WELL: 23.14 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 17.34 ft
(17.34) X .65 X 3 =33.81
GALLONS OF H_2O TO BE PURGED: 34 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:39
pH 6.55 su — TEMP 11.99 °C
DISSOLVED O_2 3.87 mg/L — SPECIFIC CONDUCTIVITY 214.3 ms/cm

PURGE END TIME: 11:06
pH 6.50 su — TEMP 11.83 °C
DISSOLVED O_2 2.31 mg/L — SPECIFIC CONDUCTIVITY 223.4 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.73 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 34 gal

SAMPLE START TIME: 11:07
pH 6.49 su — TEMP 11.84 °C
DISSOLVED O_2 2.32 mg/L — SPECIFIC CONDUCTIVITY 224.1 ms/cm

SAMPLE END TIME: 11:12

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW18
NJDEP ID #: 29-42776
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/09/03
WEATHER: Overcast and cool.
TIDE:

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.79 ft
DEPTH OF WELL: 22.25 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 16.47 ft
(16.47) X .65 X 3 =32.11
GALLONS OF H_2O TO BE PURGED: 32 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:12
pH 7.21 su
TEMP 12.70 °C
DISSOLVED O_2 3.76 mg/L
SPECIFIC CONDUCTIVITY 276.3 ms/cm

PURGE END TIME: 13:30
pH 7.17 su
TEMP 12.53 °C
DISSOLVED O_2 2.10 mg/L
SPECIFIC CONDUCTIVITY 280.1 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.03 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 32 gal

SAMPLE START TIME: 13:31
pH 7.16 su
TEMP 12.52 °C
DISSOLVED O_2 2.10 mg/L
SPECIFIC CONDUCTIVITY 280.2 ms/cm

SAMPLE END TIME: 13:36

COMMENTS: Slightly cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW19
NJDEP ID #: 29-42777
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/09/03
WEATHER: Overcast and cool.
TIDE:

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.23 ft
DEPTH OF WELL: 52.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 45.68 ft
(45.68) X .65 X 3 =89.07
GALLONS OF H2O TO BE PURGED: 89 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.42 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:51
pH 7.76 su — TEMP 12.97 °C
DISSOLVED O_2 3.21 mg/L — SPECIFIC CONDUCTIVITY 31.76 ms/cm

PURGE END TIME: 11:28
pH 7.63 su — TEMP 12.83 °C
DISSOLVED O_2 2.07 mg/L — SPECIFIC CONDUCTIVITY 28.41 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 13.88 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 89 gal

SAMPLE START TIME: 11:29
pH 7.64 su — TEMP 12.82 °C
DISSOLVED O_2 2.08 mg/L — SPECIFIC CONDUCTIVITY 28.40 ms/cm

SAMPLE END TIME: 11:36

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW20
NJDEP ID #: 29-42778
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/09/03
WEATHER: Overcast and cool.
TIDE:

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 10.10 ft
DEPTH OF WELL: 53.30 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 43.20 ft
(43.20) X .65 X 3 =84.24
GALLONS OF H2O TO BE PURGED: 84 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:50
pH 7.83 su
TEMP 12.11 °C
DISSOLVED O_2 1.83 mg/L
SPECIFIC CONDUCTIVITY 14.76 ms/cm

PURGE END TIME: 09:38
pH 7.77 su
TEMP 12.07 °C
DISSOLVED O_2 1.21 mg/L
SPECIFIC CONDUCTIVITY 12.81 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 13.21 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 84 gal

SAMPLE START TIME: 09:39
pH 7.76 su
TEMP 12.06 °C
DISSOLVED O_2 1.20 mg/L
SPECIFIC CONDUCTIVITY 12.89 ms/cm

SAMPLE END TIME: 09:44

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW21
NJDEP ID #: 29-42779
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/06/03
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: 9.38 ft
DEPTH OF WELL: 22.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.93 ft
(12.93) X .65 X 3 =25.21
GALLONS OF H_2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:49
pH 6.43 su
DISSOLVED O_2 3.22 mg/L
TEMP 12.68 °C
SPECIFIC CONDUCTIVITY 280.6 ms/cm

PURGE END TIME: 13:37
pH 6.41 su
DISSOLVED O_2 1.77 mg/L
TEMP 12.68 °C
SPECIFIC CONDUCTIVITY 280.4 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.60 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 13:40
pH 6.40 su
DISSOLVED O_2 1.78 mg/L
TEMP 12.68 °C
SPECIFIC CONDUCTIVITY 280.4 ms/cm

SAMPLE END TIME: 13:45

COMMENTS: Low draw down.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW22
NJDEP ID #: 29-42780
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/09/03
WEATHER: Overcast and cool.
TIDE:

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.46 ft
DEPTH OF WELL: 22.47 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 15.01 ft
(15.01) X .65 X 3 =29.26
GALLONS OF H_2O TO BE PURGED: 29 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:06
pH 6.21 su — TEMP 13.16 °C
DISSOLVED O_2 1.17 mg/L — SPECIFIC CONDUCTIVITY 195.7 ms/cm

PURGE END TIME: 12:12
pH 6.22 su — TEMP 13.09 °C
DISSOLVED O_2 1.08 mg/L — SPECIFIC CONDUCTIVITY 196.3 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.83 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 29 gal

SAMPLE START TIME: 12:13
pH 6.22 su — TEMP 13.08 °C
DISSOLVED O_2 1.07 mg/L — SPECIFIC CONDUCTIVITY 196.4 ms/cm

SAMPLE END TIME: 12:18

COMMENTS Low draw down. Slightly cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW23
NJDEP ID #: 29-42781
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/06/03
WEATHER: Sunny and cool.
TIDE: High.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.71 ft
DEPTH OF WELL: 22.92 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.21 ft
(13.21) X .65 X 3 =25.75
GALLONS OF H_2O TO BE PURGED: 26 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 07:30
pH 6.89 su
DISSOLVED O_2 3.77 mg/L
TEMP 11.90 °C
SPECIFIC CONDUCTIVITY 976.4 ms/cm

PURGE END TIME: 09:23
pH 6.80 su
DISSOLVED O_2 2.41 mg/L
TEMP 11.83 °C
SPECIFIC CONDUCTIVITY 963.1 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.90 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 26 gal

SAMPLE START TIME: 09:24
pH 6.80 su
DISSOLVED O_2 2.40 mg/L
TEMP 11.84 °C
SPECIFIC CONDUCTIVITY 963.2 ms/cm

SAMPLE END TIME: 09:29

COMMENTS: Low draw down.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW24
NJDEP ID #: 29-42772
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/06/03
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: 8.05 ft
DEPTH OF WELL: 22.04 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.99 ft
(13.99) X .65 X 3 =27.28
GALLONS OF H_2O TO BE PURGED: 27 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 10.0 ppm

PURGE START TIME: 13:48
pH 6.18 su — TEMP 14.66 °C
DISSOLVED O_2 0.00 mg/L — SPECIFIC CONDUCTIVITY 289.5 ms/cm

PURGE END TIME: 15:45
pH 6.17 su — TEMP 14.53 °C
DISSOLVED O_2 -0.01 mg/L — SPECIFIC CONDUCTIVITY 290.1 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.60 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 27 gal

SAMPLE START TIME: 15:46
pH 6.18 su — TEMP 14.55 °C
DISSOLVED O_2 -0.01 mg/L — SPECIFIC CONDUCTIVITY 290.1 ms/cm

SAMPLE END TIME: 15:50

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	VC009662.D	Sample Name	MB 09Jun03
Operator	Skelton	Field ID	MB 09Jun03
Date Aquired	9-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **MB 09Jun03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 09Jun03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009662.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. _____ Date Analyzed: 6/9/2003

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

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

Data File	VC009701.D	Sample Name	MB 10Jun03
Operator	Skelton	Field ID	MB 10Jun03
Date Aquired	10-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **MB 10Jun03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 10Jun03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009701.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. Date Analyzed: 6/10/2003

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

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

Data File	VC009665.D	Sample Name	3027301
Operator	Skelton	Field ID	Trip Blank I
Date Aquired	9-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **Trip Blank I**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027301

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009665.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. Date Analyzed: 6/9/2003

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

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

Data File	**VC009682.D**	Sample Name	**3027401**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**9-Jun-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027401

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009682.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. _____ Date Analyzed: 6/9/2003

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

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

Data File	VC009666.D	Sample Name	3027302
Operator	Skelton	Field ID	Field Blank I
Date Aquired	9-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **Field Blank I**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027302

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009666.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. _____ Date Analyzed: 6/9/2003

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

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

Data File	VC009683.D	Sample Name	3027402
Operator	Skelton	Field ID	Field Blank
Date Aquired	9-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027402

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009683.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. Date Analyzed: 6/9/2003

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

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

Data File	VC009667.D	Sample Name	3027303
Operator	Skelton	Field ID	Dupe I
Date Aquired	9-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **Dupe I**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027303

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009667.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. Date Analyzed: 6/9/2003

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

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

Data File	VC009684.D	Sample Name	3027403
Operator	Skelton	Field ID	Dupe
Date Aquired	10-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027403

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009684.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. Date Analyzed: 6/10/2003

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

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

Data File	VC009675.D	Sample Name	3027309
Operator	Skelton	Field ID	M2MW01
Date Aquired	9-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027309

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009675.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. Date Analyzed: 6/9/2003

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

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

Data File	VC009685.D	Sample Name	3027404
Operator	Skelton	Field ID	M2MW02
Date Aquired	10-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene	25.00	946969	19.65 ug/L	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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	30.55	66447	1.91 ug/L	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

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7/17/2003 3:18 PM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **M2MW02**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027404

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009685.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. Date Analyzed: 6/10/2003

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. 000075-85-4	Amylene Hydrate	17.06	9	JN

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

Data File	VC009671.D	Sample Name	3027305
Operator	Skelton	Field ID	M2MW03
Date Aquired	9-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	16.92	384046	4.45 ug/L	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	
75-27-4	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	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene	25.00	4987762	85.05 ug/L	4	0.39 ug/L	2.00 ug/L	E
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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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	30.34	45188	1.11 ug/L	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene	30.55	157872	3.72 ug/L	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene	31.41	52875	1.39 ug/L	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 Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File	VC009702.D	Sample Name	3027305
Operator	Skelton	Field ID	M2MW03
Date Aquired	10-Jun-03	Multiplier	5

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	9.25 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	13.90 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	42.60 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.80 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	8.40 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	5.80 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	5.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	5.50 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	5.05 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	2.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	1.20 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	6.80 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	2.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.20 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.80 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.60 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	3.90 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	3.10 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.85 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	1.50 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	1.15 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	2.35 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	1.15 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.90 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	1.15 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	2.00 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	2.75 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	3.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	3.45 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	2.95 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	1.85 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	4.35 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	2.40 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	1.60 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	3.55 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	4.30 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene	25.00	819942	93.42 ug/L	4	1.95 ug/L	2.00 ug/L	D
100-41-4	Ethylbenzene			not detected	700	3.25 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	5.70 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	3.10 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	2.80 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	3.50 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	2.35 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.75 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	2.85 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	3.20 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

FIELD ID: **M2MW03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027305

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009671.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. Date Analyzed: 6/9/2003

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: 2

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000496-11-7	Indane	31.08	16	JN
2. 000767-58-8	Indan, 1-methyl-	32.33	4	JN

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

Data File	VC009677.D	Sample Name	3027311
Operator	Skelton	Field ID	M2MW04
Date Aquired	9-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene	25.01	100028	1.95 ug/L	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW04**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027311

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009677.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. _____ Date Analyzed: 6/9/2003

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

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

Data File	VC009689.D	Sample Name	3027408
Operator	Skelton	Field ID	M2MW05
Date Aquired	10-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW05**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027408

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009689.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. _____ Date Analyzed: 6/10/2003

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

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

Data File	VC009696.D	Sample Name	3027415
Operator	Skelton	Field ID	M2MW06
Date Aquired	10-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene	25.00	202385	4.44 ug/L	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW06**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027415

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009696.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. _____ Date Analyzed: 6/10/2003

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

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

Data File	VC009690.D	Sample Name	3027409
Operator	Skelton	Field ID	M2MW07
Date Aquired	10-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW07**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027409

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009690.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. _____ Date Analyzed: 6/10/2003

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

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

Data File	VC009676.D	Sample Name	3027310
Operator	Skelton	Field ID	M2MW08
Date Aquired	9-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	16.91	165108	2.20 ug/L	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW08**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027310

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009676.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. Date Analyzed: 6/9/2003

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

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

Data File	VC009693.D	Sample Name	3027412
Operator	Skelton	Field ID	M2MW09
Date Aquired	10-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW09**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027412

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009693.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. _____ Date Analyzed: 6/10/2003

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

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

Data File	VC009668.D	Sample Name	3027304
Operator	Skelton	Field ID	M2MW10
Date Aquired	9-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW10**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027304

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009668.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. _____ Date Analyzed: 6/9/2003

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

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

Data File	VC009694.D	Sample Name	3027413
Operator	Skelton	Field ID	M2MW11
Date Aquired	10-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	16.92	8502463	127.06 ug/L	1	0.23 ug/L	2.00 ug/L	E
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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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 Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File	VC009703.D	Sample Name	3027413
Operator	Skelton	Field ID	M2MW11
Date Aquired	10-Jun-03	Multiplier	5

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	9.25 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	13.90 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	42.60 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.80 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	8.40 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	5.80 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	5.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	5.50 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	5.05 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	2.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	1.20 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	6.80 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	2.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.20 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.80 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.60 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	3.90 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	3.10 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.85 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	1.50 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	1.15 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	2.35 ug/L	2.00 ug/L	
71-43-2	Benzene	16.90	1484192	116.55 ug/L	1	1.15 ug/L	2.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	0.90 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	1.15 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	2.00 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	2.75 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	3.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	3.45 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	2.95 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	1.85 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	4.35 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	2.40 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	1.60 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	3.55 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	4.30 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	1.95 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	3.25 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	5.70 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	3.10 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	2.80 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	3.50 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	2.35 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.75 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	2.85 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	3.20 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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **M2MW11**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027413

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009694.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. Date Analyzed: 6/10/2003

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

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

Data File	VC009695.D	Sample Name	3027414
Operator	Skelton	Field ID	M2MW12
Date Aquired	10-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **M2MW12**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027414

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009695.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. _____ Date Analyzed: 6/10/2003

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

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

Data File	VC009673.D	Sample Name	3027307
Operator	Skelton	Field ID	M2MW13
Date Aquired	9-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **M2MW13**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027307

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009673.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. _____ Date Analyzed: 6/9/2003

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

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

Data File	VC009672.D	Sample Name	3027306
Operator	Skelton	Field ID	M2MW14
Date Aquired	9-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene	25.00	106790	1.96 ug/L	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

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7/17/2003 2:37 PM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **M2MW14**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027306

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009672.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. Date Analyzed: 6/9/2003

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

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

Data File	VC009681.D	Sample Name	3027315
Operator	Skelton	Field ID	M2MW15
Date Aquired	9-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW15**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027315

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009681.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. Date Analyzed: 6/9/2003

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

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

Data File	VC009678.D	Sample Name	3027312
Operator	Skelton	Field ID	M2MW16
Date Aquired	9-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **M2MW16**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027312

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009678.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. _____ Date Analyzed: 6/9/2003

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

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

Data File	VC009688.D	Sample Name	3027407
Operator	Skelton	Field ID	M2MW17
Date Aquired	10-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **M2MW17**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027407

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009688.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. _____ Date Analyzed: 6/10/2003

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

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

Data File	VC009687.D	Sample Name	3027406
Operator	Skelton	Field ID	M2MW18
Date Aquired	10-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **M2MW18**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027406

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009687.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. _____ Date Analyzed: 6/10/2003

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

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

Data File	VC009692.D	Sample Name	3027411
Operator	Skelton	Field ID	M2MW19
Date Aquired	10-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW19**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027411

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009692.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. _____ Date Analyzed: 6/10/2003

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

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

Data File	VC009691.D	Sample Name	3027410
Operator	Skelton	Field ID	M2MW20
Date Aquired	10-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **M2MW20**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027410

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009691.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. _____ Date Analyzed: 6/10/2003

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

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

Data File	VC009680.D	Sample Name	3027314
Operator	Skelton	Field ID	M2MW21
Date Aquired	9-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	16.91	110836	1.33 ug/L	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	
75-27-4	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	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene	25.00	1702130	29.42 ug/L	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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	30.34	113733	2.84 ug/L	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene	30.53	326040	7.79 ug/L	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene	31.40	59737	1.59 ug/L	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

FIELD ID: **M2MW21**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027314

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009680.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. Date Analyzed: 6/9/2003

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: 2

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000496-11-7	Indane	31.08	4	JN
2. 000768-49-0	Benzene, (2-methyl-1-propenyl)-	32.33	3	JN

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

Data File	VC009686.D	Sample Name	3027405
Operator	Skelton	Field ID	M2MW22
Date Aquired	10-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	11.55	293466	315.47 ug/L	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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene	25.00	168071	3.48 ug/L	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **M2MW22**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027405

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009686.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. _____ Date Analyzed: 6/10/2003

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: 4

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000693-89-0	Cyclopentene, 1-methyl-	15.58	5	JN
2. 000075-85-4	Amylene Hydrate	17.05	79	JN
3.	unknown	20.95	6	J
4.	unknown	21.73	6	J

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

Data File	VC009674.D	Sample Name	3027308
Operator	Skelton	Field ID	M2MW23
Date Aquired	9-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	16.92	280297	3.57 ug/L	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	
75-27-4	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	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene	25.00	1622740	30.55 ug/L	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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	30.54	94470	2.46 ug/L	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

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7/17/2003 2:37 PM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **M2MW23**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027308

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009674.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. Date Analyzed: 6/9/2003

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: 2

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000496-11-7	Indane	31.09	6	JN
2.	unknown	32.34	3	J

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

Data File	VC009679.D	Sample Name	3027313
Operator	Skelton	Field ID	M2MW24
Date Aquired	9-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	16.91	162277	2.27 ug/L	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	
75-27-4	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	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene	25.00	365394	7.37 ug/L	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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	30.54	125006	3.48 ug/L	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

FIELD ID: **M2MW24**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3027313

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009679.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: not dec. Date Analyzed: 6/9/2003

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: 10

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000098-82-8	Benzene, (1-methylethyl)-	27.32	15	JN
2. 000103-65-1	Benzene, propyl-	28.31	19	JN
3. 000093-53-8	Benzeneacetaldehyde, .alpha.-m	29.98	6	JN
4. 000135-01-3	Benzene, 1,2-diethyl-	30.99	8	JN
5. 000496-11-7	Indane	31.08	31	JN
6. 000135-01-3	Benzene, 1,2-diethyl-	31.46	3	JN
7. 000099-87-6	Benzene, 1-methyl-4-(1-methylet	32.03	8	JN
8. 001587-04-8	Benzene, 1-methyl-2-(2-propenyl)	32.18	7	JN
9. 027133-93-3	2,3-Dihydro-1-methylindene	32.33	25	JN
10. 000095-93-2	Benzene, 1,2,4,5-tetramethyl-	32.90	9	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07988.D**	Sample Name	**MB-061103**
Operator	**BPatel**	Misc Info	**MB-061103**
Date Acquired	**12-Jun-03**	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	**BNA07988.D**	Sample Name	**MB-061103**
Operator	**BPatel**	Misc Info	**MB-061103**
Date Acquired	**12-Jun-03**	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
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: **MB-061103**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB-061103

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07988.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/11/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/12/2003

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	6.95	11	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08001.D**	Sample Name	**MB-061203**
Operator	**BPatel**	Misc Info	**MB-061203**
Date Acquired	**12-Jun-03**	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	**BNA08001.D**	Sample Name	**MB-061203**
Operator	**BPatel**	Misc Info	**MB-061203**
Date Acquired	**12-Jun-03**	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

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **MB-061203**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB-061203

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08001.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/12/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/12/2003

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	6.95	10	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08001.D**	Sample Name	**MB-061203**
Operator	**BPatel**	Misc Info	**MB-061203**
Date Acquired	**12-Jun-03**	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	**BNA08001.D**	Sample Name	**MB-061203**
Operator	**BPatel**	Misc Info	**MB-061203**
Date Acquired	**12-Jun-03**	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
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: **MB-061203**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB-061203

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08001.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/12/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/12/2003

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	6.95	10	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08026.D**	Sample Name	**MB-061303**
Operator	**BPatel**	Misc Info	**MB-061303**
Date Acquired	**18-Jun-03**	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	**BNA08026.D**	Sample Name	**MB-061303**
Operator	**BPatel**	Misc Info	**MB-061303**
Date Acquired	**18-Jun-03**	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-061303**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB-061303

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08026.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/13/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/18/2003

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	6.95	13	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07990.D**	Sample Name	**3027302**
Operator	**BPatel**	Misc Info	**Field Blank**
Date Acquired	**12-Jun-03**	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	**BNA07990.D**	Sample Name	**3027302**
Operator	**BPatel**	Misc Info	**Field Blank**
Date Acquired	**12-Jun-03**	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
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: **Field Blank I**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027302

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07990.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/11/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/12/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.23	5	J
2.	unknown	6.95	9	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08008.D**	Sample Name	**3027402**
Operator	**BPatel**	Misc Info	**Field Blank**
Date Acquired	**13-Jun-03**	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	**BNA08008.D**	Sample Name	**3027402**
Operator	**BPatel**	Misc Info	**Field Blank**
Date Acquired	**13-Jun-03**	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
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: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027402

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08008.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/12/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/13/2003

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	6.95	11	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07991.D**	Sample Name	**3027303**
Operator	**BPatel**	Misc Info	**Dupe I**
Date Acquired	**12-Jun-03**	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	**BNA07991.D**	Sample Name	**3027303**
Operator	**BPatel**	Misc Info	**Dupe I**
Date Acquired	**12-Jun-03**	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
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 I**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027303

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07991.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/11/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/12/2003

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	6.95	11	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08009.D**	Sample Name	**3027403**
Operator	**BPatel**	Misc Info	**Dupe**
Date Acquired	**13-Jun-03**	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	**BNA08009.D**	Sample Name	**3027403**
Operator	**BPatel**	Misc Info	**Dupe**
Date Acquired	**13-Jun-03**	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: **Dupe**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027403

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08009.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/12/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/13/2003

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	6.95	13	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07997.D**	Sample Name	**3027309**
Operator	**BPatel**	Misc Info	**M2MW01**
Date Acquired	**12-Jun-03**	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	**BNA07997.D**	Sample Name	**3027309**
Operator	**BPatel**	Misc Info	**M2MW01**
Date Acquired	**12-Jun-03**	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

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.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **M2MW01**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027309

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07997.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/11/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/12/2003

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	6.95	13	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08010.D**	Sample Name	**3027404**
Operator	**BPatel**	Misc Info	**M2MW02**
Date Acquired	**13-Jun-03**	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	10.45	28911	1.59 ug/L	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	**BNA08010.D**	Sample Name	**3027404**
Operator	**BPatel**	Misc Info	**M2MW02**
Date Acquired	**13-Jun-03**	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	27.84	93457	3.17 ug/L	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.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **M2MW02**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027404

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08010.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/12/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/13/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 001462-03-9	Cyclopentanol, 1-methyl-	5.88	18	JN
2.	unknown	6.95	13	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07993.D**	Sample Name	**3027305**
Operator	**BPatel**	Misc Info	**M2MW03**
Date Acquired	**12-Jun-03**	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	10.45	47697	2.58 ug/L	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	17.68	134401	4.53 ug/L	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	18.09	74263	1.76 ug/L	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	BNA07993.D	Sample Name	3027305
Operator	BPatel	Misc Info	M2MW03
Date Acquired	12-Jun-03	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	18.93	56458	1.64 ug/L	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	27.84	63969	2.15 ug/L	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: **M2MW03**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027305

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07993.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/11/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/12/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.95	12	J
2. 000496-11-7	Indane	10.82	9	JN
3.	unknown	19.31	5	J
4.	unknown	19.67	10	J
5. 000934-34-9	2(3H)-Benzothiazolone	19.92	10	JN
6.	unknown	20.37	8	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08003.D**	Sample Name	**3027311**
Operator	**BPatel**	Misc Info	**M2MW04**
Date Acquired	**12-Jun-03**	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	**BNA08003.D**	Sample Name	**3027311**
Operator	**BPatel**	Misc Info	**M2MW04**
Date Acquired	**12-Jun-03**	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
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: **M2MW04**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027311

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08003.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/12/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/12/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.95	11	J
2.	unknown	32.55	4	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08029.D**	Sample Name	**3027408**
Operator	**BPatel**	Misc Info	**M2MW05**
Date Acquired	**18-Jun-03**	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	**BNA08029.D**	Sample Name	**3027408**
Operator	**BPatel**	Misc Info	**M2MW05**
Date Acquired	**18-Jun-03**	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
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.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **M2MW05**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027408

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08029.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/13/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/18/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.95	14	J
2. 000120-40-1	Dodecanamide, N,N-bis(2-hydrox	18.27	4	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08036.D**	Sample Name	**3027415**
Operator	**BPatel**	Misc Info	**M2MW06**
Date Acquired	**19-Jun-03**	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	10.45	19141	1.03 ug/L	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	BNA08036.D	Sample Name	3027415
Operator	BPatel	Misc Info	M2MW06
Date Acquired	19-Jun-03	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

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **M2MW06**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027415

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08036.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/13/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/19/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 001462-03-9	Cyclopentanol, 1-methyl-	5.87	6	JN
2.	unknown	6.94	13	J
3. 000143-07-7	Dodecanoic acid	18.27	7	JN
4.	unknown	26.69	5	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08030.D**	Sample Name	**3027409**
Operator	**BPatel**	Misc Info	**M2MW07**
Date Acquired	**18-Jun-03**	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	**BNA08030.D**	Sample Name	**3027409**
Operator	**BPatel**	Misc Info	**M2MW07**
Date Acquired	**18-Jun-03**	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

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: **M2MW07**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027409

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08030.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/13/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/18/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.95	12	J
2. 000120-40-1	Dodecanamide, N,N-bis(2-hydrox	18.27	6	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08002.D**	Sample Name	**3027310**
Operator	**BPatel**	Misc Info	**M2MW08**
Date Acquired	**12-Jun-03**	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	**BNA08002.D**	Sample Name	**3027310**
Operator	**BPatel**	Misc Info	**M2MW08**
Date Acquired	**12-Jun-03**	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: **M2MW08**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027310

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08002.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/12/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/12/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.95	11	J
2. 000143-07-7	Dodecanoic acid	18.27	5	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08033.D**	Sample Name	**3027412**
Operator	**BPatel**	Misc Info	**M2MW09**
Date Acquired	**18-Jun-03**	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	BNA08033.D	Sample Name	3027412
Operator	BPatel	Misc Info	M2MW09
Date Acquired	18-Jun-03	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: **M2MW09**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027412

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08033.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/13/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/18/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.95	15	J
2. 000120-40-1	Dodecanamide, N,N-bis(2-hydrox	18.26	4	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07992.D**	Sample Name	**3027304**
Operator	**BPatel**	Misc Info	**M2MW10**
Date Acquired	**12-Jun-03**	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	**BNA07992.D**	Sample Name	**3027304**
Operator	**BPatel**	Misc Info	**M2MW10**
Date Acquired	**12-Jun-03**	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: **M2MW10**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027304

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07992.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/11/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/12/2003

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	6.95	13	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08034.D**	Sample Name	**3027413**
Operator	**BPatel**	Misc Info	**M2MW11**
Date Acquired	**19-Jun-03**	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	**BNA08034.D**	Sample Name	**3027413**
Operator	**BPatel**	Misc Info	**M2MW11**
Date Acquired	**19-Jun-03**	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	Benzó[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: **M2MW11**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027413

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08034.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/13/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/19/2003

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	6.95	13	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08035.D**	Sample Name	**3027414**
Operator	**BPatel**	Misc Info	**M2MW12**
Date Acquired	**19-Jun-03**	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	BNA08035.D	Sample Name	3027414
Operator	BPatel	Misc Info	M2MW12
Date Acquired	19-Jun-03	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

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: **M2MW12**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027414

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08035.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/13/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/19/2003

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	6.95	14	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07995.D**	Sample Name	**3027307**
Operator	**BPatel**	Misc Info	**M2MW13**
Date Acquired	**12-Jun-03**	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	**BNA07995.D**	Sample Name	**3027307**
Operator	**BPatel**	Misc Info	**M2MW13**
Date Acquired	**12-Jun-03**	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: **M2MW13**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027307

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07995.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/11/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/12/2003

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	6.95	12	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07994.D**	Sample Name	**3027306**
Operator	**BPatel**	Misc Info	**M2MW14**
Date Acquired	**12-Jun-03**	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	**BNA07994.D**	Sample Name	**3027306**
Operator	**BPatel**	Misc Info	**M2MW14**
Date Acquired	**12-Jun-03**	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

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: **M2MW14**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027306

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07994.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/11/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/12/2003

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	6.95	13	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **M2MW14**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027306

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07994.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/11/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/12/2003

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	6.95	13	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BNA08007.D	Sample Name	3027315
Operator	BPatel	Misc Info	M2MW15
Date Acquired	13-Jun-03	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	13.41	596839	12.46 ug/L	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	15.07	50159	1.51 ug/L	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	17.68	202272	6.70 ug/L	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	18.09	209773	4.90 ug/L	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	**BNA08007.D**	Sample Name	**3027315**
Operator	**BPatel**	Misc Info	**M2MW15**
Date Acquired	**13-Jun-03**	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	18.93	142237	4.06 ug/L	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: **M2MW15**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027315

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08007.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/12/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/13/2003

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	6.95	12	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BNA08004.D	Sample Name	3027312
Operator	BPatel	Misc Info	M2MW16
Date Acquired	12-Jun-03	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	**BNA08004.D**	Sample Name	**3027312**
Operator	**BPatel**	Misc Info	**M2MW16**
Date Acquired	**12-Jun-03**	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: **M2MW16**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027312

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08004.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/12/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/12/2003

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	6.95	12	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08028.D**	Sample Name	**3027407**
Operator	**BPatel**	Misc Info	**M2MW17**
Date Acquired	**18-Jun-03**	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	**BNA08028.D**	Sample Name	**3027407**
Operator	**BPatel**	Misc Info	**M2MW17**
Date Acquired	**18-Jun-03**	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
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: **M2MW17**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027407

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08028.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/13/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/18/2003

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	6.95	12	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08027.D**	Sample Name	**3027406**
Operator	**BPatel**	Misc Info	**M2MW18**
Date Acquired	**18-Jun-03**	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	**BNA08027.D**	Sample Name	**3027406**
Operator	**BPatel**	Misc Info	**M2MW18**
Date Acquired	**18-Jun-03**	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

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: **M2MW18**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027406

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08027.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/13/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/18/2003

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	6.95	12	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08032.D**	Sample Name	**3027411**
Operator	**BPatel**	Misc Info	**M2MW19**
Date Acquired	**18-Jun-03**	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	**BNA08032.D**	Sample Name	**3027411**
Operator	**BPatel**	Misc Info	**M2MW19**
Date Acquired	**18-Jun-03**	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
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: **M2MW19**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027411

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08032.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/13/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/18/2003

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	6.94	13	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08031.D**	Sample Name	**3027410**
Operator	**BPatel**	Misc Info	**M2MW20**
Date Acquired	**18-Jun-03**	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	**BNA08031.D**	Sample Name	**3027410**
Operator	**BPatel**	Misc Info	**M2MW20**
Date Acquired	**18-Jun-03**	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
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: **M2MW20**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027410

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08031.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/13/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/18/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.94	12	J
2.	unknown	33.76	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08006.D**	Sample Name	**3027314**
Operator	**BPatel**	Misc Info	**M2MW21**
Date Acquired	**13-Jun-03**	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	10.30	32932	1.76 ug/L	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene	10.45	91736	4.72 ug/L	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	**BNA08006.D**	Sample Name	**3027314**
Operator	**BPatel**	Misc Info	**M2MW21**
Date Acquired	**13-Jun-03**	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	27.84	191165	6.25 ug/L	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.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **M2MW21**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027314

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08006.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/12/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/13/2003

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	6.95	10	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08011.D**	Sample Name	**3027405**
Operator	**BPatel**	Misc Info	**M2MW22**
Date Acquired	**13-Jun-03**	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	**BNA08011.D**	Sample Name	**3027405**
Operator	**BPatel**	Misc Info	**M2MW22**
Date Acquired	**13-Jun-03**	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	29.36	648598	11.12 ug/L	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: **M2MW22**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30274 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027405

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08011.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/12/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/13/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 001462-03-9	Cyclopentanol, 1-methyl-	5.88	93	JN
2.	unknown	6.95	16	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA07996.D**	Sample Name	**3027308**
Operator	**BPatel**	Misc Info	**M2MW23**
Date Acquired	**12-Jun-03**	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	10.46	31405	1.86 ug/L	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	15.07	35500	1.23 ug/L	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	**BNA07996.D**	Sample Name	**3027308**
Operator	**BPatel**	Misc Info	**M2MW23**
Date Acquired	**12-Jun-03**	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	19.28	21455	1.07 ug/L	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	27.84	72911	2.81 ug/L	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: **M2MW23**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027308

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA07996.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/11/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/12/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.95	13	J
2. 000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	11.63	4	JN
3. 053951-50-1	Benzaldehyde, ethyl-	13.85	7	JN
4. 000120-40-1	Dodecanamide, N,N-bis(2-hydrox	18.27	4	JN
5. 000070-55-3	Benzenesulfonamide, 4-methyl-	19.82	4	JN
6. 000934-34-9	2(3H)-Benzothiazolone	19.91	5	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08005.D**	Sample Name	**3027313**
Operator	**BPatel**	Misc Info	**M2MW24**
Date Acquired	**12-Jun-03**	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	10.46	46769	2.32 ug/L	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	15.07	167908	4.83 ug/L	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	**BNA08005.D**	Sample Name	**3027313**
Operator	**BPatel**	Misc Info	**M2MW24**
Date Acquired	**12-Jun-03**	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	27.84	156640	4.87 ug/L	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: **M2MW24**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30273 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3027313

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08005.D

Level: (low/med) LOW Date Received: 6/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 6/12/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/12/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.95	11	J
2. 000098-82-8	Benzene, (1-methylethyl)-	8.67	8	JN
3. 000103-65-1	Benzene, propyl-	9.25	9	JN
4. 000496-11-7	Indane	10.82	15	JN
5. 000141-93-5	Benzene, 1,3-diethyl-	10.99	5	JN
6. 000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	11.63	11	JN
7. 000095-93-2	Benzene, 1,2,4,5-tetramethyl-	12.17	7	JN
8. 000768-49-0	Benzene, (2-methyl-1-propenyl)-	12.60	6	JN
9. 002039-90-9	Benzene, 2-ethenyl-1,3-dimethyl-	12.76	23	JN
10.	unknown	13.43	6	J
11. 002809-64-5	Naphthalene, 1,2,3,4-tetrahydro-5	14.96	4	JN
12. 000264-09-5	Benzocycloheptatriene	15.31	23	JN
13. 000581-40-8	Naphthalene, 2,3-dimethyl-	16.60	6	JN
14. 000571-58-4	Naphthalene, 1,4-dimethyl-	16.78	8	JN
15.	unknown	18.85	5	J
16.	unknown	18.92	10	J
17. 000934-34-9	2(3H)-Benzothiazolone	19.92	5	JN

U.S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

TABULATED ANALYTICAL REPORT
SW 846 608
Pesticides/PCB

mb 060903

Matrix: Aqueous
Date Extracted: 6/9/2003
Ext. Batch: 060903
Filename: 01517A.D
Date Analysed: 6/10/2003

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	MDL (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.

TABULATED ANALYTICAL REPORT
SW 846 608
Pesticides/PCB

mb 061003

Matrix: Aqueous
Date Extracted: 6/10/2003
Ext. Batch: 061003
Filename: 01572A.D
Date Analysed: 6/12/2003

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	MDL (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.

TABULATED ANALYTICAL REPORT
SW 846 608
Pesticides/PCB

mb 061603

Matrix: Aqueous
Date Extracted: 6/16/2003
Ext. Batch: 061603
Filename: 01601.D
Date Analysed: 6/17/2003

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	MDL (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: M2 Wells 2nd Qrtr. '03
Field ID: FIELDBLANK
Lab ID: 3027302
Filename: 01522A.D
Lab Project : 30273

Location: M2 Wells 2nd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 060903
Date Extracted: 6/9/2003
Date Analyzed: 10-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 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.

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: M2 Wells 2nd. Qrtr. '03
Field ID: FIELDBLANK
Lab ID: 3027402
Filename: 01603.D
Lab Project : 30274

Location: M2 Wells 2nd. Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061603
Date Extracted: 6/16/2003
Date Analyzed: 17-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 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.

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: M2 Wells 2nd. Qrtr. '03
Field ID: Dupe
Lab ID: 3027403
Filename: 01604.D
Lab Project : 30274

Location: M2 Wells 2nd. Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061603
Date Extracted: 6/16/2003
Date Analyzed: 17-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 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.

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: M2 Wells 2nd Qrtr. '03
Field ID: M2MW01
Lab ID: 3027309
Filename: 01578A.D
Lab Project : 30273

Location: M2 Wells 2nd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061003
Date Extracted: 6/10/2003
Date Analyzed: 12-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	0.003	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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Report of Analysis
NJDEP Certification # 13461
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd. Qrtr. '03
Field ID: M2MW02
Lab ID: 3027404
Filename: 01605.D
Lab Project : 30274

Location: M2 Wells 2nd. Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061603
Date Extracted: 6/16/2003
Date Analyzed: 17-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 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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd Qrtr. '03
Field ID: M2MW03
Lab ID: 3027305
Filename: 01574A.D
Lab Project : 30273

Location: M2 Wells 2nd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061003
Date Extracted: 6/10/2003
Date Analyzed: 12-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	0.016	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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd Qrtr. '03
Field ID: M2MW08/4
Lab ID: 3027311 BH 7/21/03
Filename: 01580A.D
Lab Project : 30273

Location: M2 Wells 2nd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061003
Date Extracted: 6/10/2003
Date Analyzed: 12-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	0.008	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	0.005	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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd. Qrtr. '03
Field ID: M2MW05
Lab ID: 3027408
Filename: 01609.D
Lab Project : 30274

Location: M2 Wells 2nd. Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061603
Date Extracted: 6/16/2003
Date Analyzed: 17-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 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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd. Qrtr. '03
Field ID: M2MW06
Lab ID: 3027415
Filename: 01616.D
Lab Project : 30274

Location: M2 Wells 2nd. Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061603
Date Extracted: 6/16/2003
Date Analyzed: 17-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 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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd. Qrtr. '03
Field ID: M2MW07
Lab ID: 3027409
Filename: 01610.D
Lab Project : 30274

Location: M2 Wells 2nd. Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061603
Date Extracted: 6/16/2003
Date Analyzed: 17-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 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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd Qrtr. '03
Field ID: M2MW08
Lab ID: 3027310
Filename: 01579A.D
Lab Project : 30273

Location: M2 Wells 2nd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061003
Date Extracted: 6/10/2003
Date Analyzed: 12-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 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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd. Qrtr. '03
Field ID: M2MW09
Lab ID: 3027412
Filename: 01613.D
Lab Project : 30274

Location: M2 Wells 2nd. Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061603
Date Extracted: 6/16/2003
Date Analyzed: 17-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 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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd Qrtr. '03
Field ID: M2MW10
Lab ID: 3027303
Filename: 01523A.D
Lab Project : 30273

Location: M2 Wells 2nd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061003
Date Extracted: 6/10/2003
Date Analyzed: 10-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	0.010	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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd Qrtr. '03
Field ID: M2MW10
Lab ID: 3027304
Filename: 01524A.D
Lab Project : 30273

Location: M2 Wells 2nd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 060903
Date Extracted: 6/9/2003
Date Analyzed: 10-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 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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd. Qrtr. '03
Field ID: M2MW11
Lab ID: 3027413
Filename: 01614.D
Lab Project : 30274

Location: M2 Wells 2nd. Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061603
Date Extracted: 6/16/2003
Date Analyzed: 17-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 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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Report of Analysis
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd. Qrtr. '03
Field ID: M2MW12
Lab ID: 3027414
Filename: 01615.D
Lab Project : 30274

Location: M2 Wells 2nd. Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061603
Date Extracted: 6/16/2003
Date Analyzed: 17-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 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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Report of Analysis
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd Qrtr. '03
Field ID: M2MW13
Lab ID: 3027307
Filename: 01576A.D
Lab Project : 30273

Location: M2 Wells 2nd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061003
Date Extracted: 6/10/2003
Date Analyzed: 12-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 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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd Qrtr. '03
Field ID: M2MW14
Lab ID: 3027306
Filename: 01575A.D
Lab Project : 30273

Location: M2 Wells 2nd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061003
Date Extracted: 6/10/2003
Date Analyzed: 12-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	0.003	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	0.009	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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd Qrtr. '03
Field ID: M2MW15
Lab ID: 3027315
Filename: 01584A.D
Lab Project : 30273

Location: M2 Wells 2nd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061003
Date Extracted: 6/10/2003
Date Analyzed: 12-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	0.011	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	0.033	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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd Qrtr. '03
Field ID: M2MW16
Lab ID: 3027312
Filename: 01581A.D
Lab Project : 30273

Location: M2 Wells 2nd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061003
Date Extracted: 6/10/2003
Date Analyzed: 12-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	0.009	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	0.020	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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd. Qrtr. '03
Field ID: M2MW17
Lab ID: 3027407
Filename: 01608.D
Lab Project : 30274

Location: M2 Wells 2nd. Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061603
Date Extracted: 6/16/2003
Date Analyzed: 17-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	0.009	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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Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd. Qrtr. '03
Field ID: M2MW18
Lab ID: 3027406
Filename: 01607.D
Lab Project : 30274

Location: M2 Wells 2nd. Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061603
Date Extracted: 6/16/2003
Date Analyzed: 17-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	0.003	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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd. Qrtr. '03
Field ID: M2MW19
Lab ID: 3027411
Filename: 01612.D
Lab Project : 30274

Location: M2 Wells 2nd. Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061603
Date Extracted: 6/16/2003
Date Analyzed: 17-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 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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd. Qrtr. '03
Field ID: M2MW20
Lab ID: 3027410
Filename: 01611.D
Lab Project : 30274

Location: M2 Wells 2nd. Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061603
Date Extracted: 6/16/2003
Date Analyzed: 17-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 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.

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: M2 Wells 2nd Qrtr. '03
Field ID: M2MW21
Lab ID: 3027314
Filename: 01583A.D
Lab Project : 30273

Location: M2 Wells 2nd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061003
Date Extracted: 6/10/2003
Date Analyzed: 12-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	0.170	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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 2nd. Qrtr. '03
Field ID: M2MW22
Lab ID: 3027405
Filename: 01606.D
Lab Project : 30274

Location: M2 Wells 2nd. Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061603
Date Extracted: 6/16/2003
Date Analyzed: 17-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 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.

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: M2 Wells 2nd Qrtr. '03
Field ID: M2MW23
Lab ID: 3027308
Filename: 01577A.D
Lab Project : 30273

Location: M2 Wells 2nd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061003
Date Extracted: 6/10/2003
Date Analyzed: 12-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 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.

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: M2 Wells 2nd Qrtr. '03
Field ID: M2MW24
Lab ID: 3027313
Filename: 01582A.D
Lab Project : 30273

Location: M2 Wells 2nd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 061003
Date Extracted: 6/10/2003
Date Analyzed: 12-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	0.025	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.

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 #: 30274
Sample Received: NA
Sample Matrix: Aqueous

Site: M2 Wells
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)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	06/19/03	ND	200	200	21.8
Antimony	06/19/03	ND	20	20.0	3.70
Arsenic	06/19/03	ND	8	5.00	2.30
Barium	06/19/03	ND	2000	5.00	0.50
Beryllium	06/19/03	ND	20	0.50	0.02
Cadmium	06/19/03	ND	4	2.00	0.40
Calcium	06/19/03	ND	NLE	1000	65.0
Chromium	06/19/03	ND	100	5.00	1.00
Cobalt	06/19/03	ND	NLE	2.00	0.30
Copper	06/19/03	ND	1000	5.00	0.30
Iron	06/19/03	6.32	300	500	78.0
Lead	06/19/03	ND	10	5.00	0.80
Magnesium	06/19/03	ND	NLE	1000	11.0
Manganese	06/19/03	ND	50	5.00	0.90
Mercury	06/17/03	ND	2	0.50	0.15
Nickel	06/19/03	ND	100	5.00	0.70
Potassium	06/19/03	ND	NLE	1000	25.0
Selenium	06/19/03	ND	50	20.0	4.80
Silver	06/19/03	ND	20	5.00	0.60
Sodium	06/19/03	ND	50000	5000	1160
Thallium	06/19/03	ND	10	10.0	1.90
Vanadium	06/19/03	ND	NLE	5.00	0.20
Zinc	06/19/03	6.08	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.
E = Estimated result. Over high standard

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 #: 30273
Sample Received: NA
Sample Matrix: Aqueous

Site: M2 Wells
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)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	06/20/03	360	200	200	21.8
Antimony	06/20/03	ND	20	20.0	3.70
Arsenic	06/20/03	ND	8	5.00	2.30
Barium	06/20/03	0.90	2000	5.00	0.50
Beryllium	06/20/03	0.10	20	0.50	0.02
Cadmium	06/20/03	ND	4	2.00	0.40
Calcium	06/20/03	510	NLE	1000	65.0
Chromium	06/20/03	ND	100	5.00	1.00
Cobalt	06/20/03	ND	NLE	2.00	0.30
Copper	06/20/03	1.00	1000	5.00	0.30
Iron	06/20/03	90.0	300	500	78.0
Lead	06/20/03	ND	10	5.00	0.80
Magnesium	06/20/03	220	NLE	1000	11.0
Manganese	06/20/03	6.20	50	5.00	0.90
Mercury	06/19/03	ND	2	0.50	0.15
Nickel	06/20/03	ND	100	5.00	0.70
Potassium	06/20/03	ND	NLE	1000	25.0
Selenium	06/20/03	ND	50	20.0	4.80
Silver	06/20/03	ND	20	5.00	0.60
Sodium	06/20/03	ND	50000	5000	1160
Thallium	06/20/03	ND	10	10.0	1.90
Vanadium	06/20/03	ND	NLE	5.00	0.20
Zinc	06/20/03	14.0	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.
E = Estimated result. Over high standard

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 #: 3027302
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
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)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	06/20/03	ND	200	200	21.8
Antimony	06/20/03	ND	20	20.0	3.70
Arsenic	06/20/03	ND	8	5.00	2.30
Barium	06/20/03	ND	2000	5.00	0.50
Beryllium	06/20/03	0.033	20	0.50	0.02
Cadmium	06/20/03	ND	4	2.00	0.40
Calcium	06/20/03	ND	NLE	1000	65.0
Chromium	06/20/03	ND	100	5.00	1.00
Cobalt	06/20/03	ND	NLE	2.00	0.30
Copper	06/20/03	0.370	1000	5.00	0.30
Iron	06/20/03	ND	300	500	78.0
Lead	06/20/03	ND	10	5.00	0.80
Magnesium	06/20/03	ND	NLE	1000	11.0
Manganese	06/20/03	ND	50	5.00	0.90
Mercury	06/19/03	ND	2	0.50	0.15
Nickel	06/20/03	ND	100	5.00	0.70
Potassium	06/20/03	ND	NLE	1000	25.0
Selenium	06/20/03	5.38	50	20.0	4.80
Silver	06/20/03	ND	20	5.00	0.60
Sodium	06/20/03	102	50000	5000	1160
Thallium	06/20/03	ND	10	10.0	1.90
Vanadium	06/20/03	ND	NLE	5.00	0.20
Zinc	06/20/03	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.
E = Estimated result. Over high standard

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 #: 3027402
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
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)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	06/19/03	ND	200	200	21.8
Antimony	06/19/03	ND	20	20.0	3.70
Arsenic	06/19/03	ND	8	5.00	2.30
Barium	06/19/03	ND	2000	5.00	0.50
Beryllium	06/19/03	0.040	20	0.50	0.02
Cadmium	06/19/03	ND	4	2.00	0.40
Calcium	06/19/03	ND	NLE	1000	65.0
Chromium	06/19/03	ND	100	5.00	1.00
Cobalt	06/19/03	ND	NLE	2.00	0.30
Copper	06/19/03	ND	1000	5.00	0.30
Iron	06/19/03	ND	300	500	78.0
Lead	06/19/03	ND	10	5.00	0.80
Magnesium	06/19/03	ND	NLE	1000	11.0
Manganese	06/19/03	ND	50	5.00	0.90
Mercury	06/17/03	ND	2	0.50	0.15
Nickel	06/19/03	ND	100	5.00	0.70
Potassium	06/19/03	ND	NLE	1000	25.0
Selenium	06/19/03	ND	50	20.0	4.80
Silver	06/19/03	ND	20	5.00	0.60
Sodium	06/19/03	ND	50000	5000	1160
Thallium	06/19/03	ND	10	10.0	1.90
Vanadium	06/19/03	ND	NLE	5.00	0.20
Zinc	06/19/03	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.
E = Estimated result. Over high standard

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 #: 3027303
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: Duplicate 1

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	06/20/03	553	200	200	21.8
Antimony	06/20/03	ND	20	20.0	3.70
Arsenic	06/20/03	ND	8	5.00	2.30
Barium	06/20/03	62.2	2000	5.00	0.50
Beryllium	06/20/03	0.200	20	0.50	0.02
Cadmium	06/20/03	1.03	4	2.00	0.40
Calcium	06/20/03	6990	NLE	1000	65.0
Chromium	06/20/03	4.30	100	5.00	1.00
Cobalt	06/20/03	0.836	NLE	2.00	0.30
Copper	06/20/03	2.60	1000	5.00	0.30
Iron	06/20/03	1130	300	500	78.0
Lead	06/20/03	ND	10	5.00	0.80
Magnesium	06/20/03	1060	NLE	1000	11.0
Manganese	06/20/03	37.2	50	5.00	0.90
Mercury	06/19/03	ND	2	0.50	0.15
Nickel	06/20/03	4.71	100	5.00	0.70
Potassium	06/20/03	3730	NLE	1000	25.0
Selenium	06/20/03	ND	50	20.0	4.80
Silver	06/20/03	ND	20	5.00	0.60
Sodium	06/20/03	1500	50000	5000	1160
Thallium	06/20/03	ND	10	10.0	1.90
Vanadium	06/20/03	2.52	NLE	5.00	0.20
Zinc	06/20/03	532	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.
E = Estimated result. Over high standard

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 #: 3027403
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: Duplicate

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	06/19/03	ND	200	200	21.8
Antimony	06/19/03	ND	20	20.0	3.70
Arsenic	06/19/03	ND	8	5.00	2.30
Barium	06/19/03	38.5	2000	5.00	0.50
Beryllium	06/19/03	ND	20	0.50	0.02
Cadmium	06/19/03	ND	4	2.00	0.40
Calcium	06/19/03	57200	NLE	1000	65.0
Chromium	06/19/03	ND	100	5.00	1.00
Cobalt	06/19/03	ND	NLE	2.00	0.30
Copper	06/19/03	0.745	1000	5.00	0.30
Iron	06/19/03	605	300	500	78.0
Lead	06/19/03	ND	10	5.00	0.80
Magnesium	06/19/03	3740	NLE	1000	11.0
Manganese	06/19/03	50.4	50	5.00	0.90
Mercury	06/17/03	ND	2	0.50	0.15
Nickel	06/19/03	ND	100	5.00	0.70
Potassium	06/19/03	5870	NLE	1000	25.0
Selenium	06/19/03	ND	50	20.0	4.80
Silver	06/19/03	ND	20	5.00	0.60
Sodium	06/19/03	7650	50000	5000	1160
Thallium	06/19/03	ND	10	10.0	1.90
Vanadium	06/19/03	ND	NLE	5.00	0.20
Zinc	06/19/03	1.71	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.
E = Estimated result. Over high standard

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 #: 3027309
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW01

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	06/20/03	539	200	200	21.8
Antimony	06/20/03	ND	20	20.0	3.70
Arsenic	06/20/03	ND	8	5.00	2.30
Barium	06/20/03	58.8	2000	5.00	0.50
Beryllium	06/20/03	0.211	20	0.50	0.02
Cadmium	06/20/03	1.19	4	2.00	0.40
Calcium	06/20/03	6610	NLE	1000	65.0
Chromium	06/20/03	4.48	100	5.00	1.00
Cobalt	06/20/03	0.796	NLE	2.00	0.30
Copper	06/20/03	2.47	1000	5.00	0.30
Iron	06/20/03	1240	300	500	78.0
Lead	06/20/03	ND	10	5.00	0.80
Magnesium	06/20/03	1020	NLE	1000	11.0
Manganese	06/20/03	35.8	50	5.00	0.90
Mercury	06/19/03	ND	2	0.50	0.15
Nickel	06/20/03	4.11	100	5.00	0.70
Potassium	06/20/03	3450	NLE	1000	25.0
Selenium	06/20/03	4.96	50	20.0	4.80
Silver	06/20/03	ND	20	5.00	0.60
Sodium	06/20/03	2540	50000	5000	1160
Thallium	06/20/03	ND	10	10.0	1.90
Vanadium	06/20/03	2.63	NLE	5.00	0.20
Zinc	06/20/03	508	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
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R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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 #: 3027404
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW02

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	06/19/03	ND	200	200	21.8
Antimony	06/19/03	ND	20	20.0	3.70
Arsenic	06/19/03	ND	8	5.00	2.30
Barium	06/19/03	74.3	2000	5.00	0.50
Beryllium	06/19/03	ND	20	0.50	0.02
Cadmium	06/19/03	0.776	4	2.00	0.40
Calcium	06/19/03	13500	NLE	1000	65.0
Chromium	06/19/03	ND	100	5.00	1.00
Cobalt	06/19/03	ND	NLE	2.00	0.30
Copper	06/19/03	ND	1000	5.00	0.30
Iron	06/19/03	9600	300	500	78.0
Lead	06/19/03	ND	10	5.00	0.80
Magnesium	06/19/03	1740	NLE	1000	11.0
Manganese	06/19/03	51.4	50	5.00	0.90
Mercury	06/17/03	ND	2	0.50	0.15
Nickel	06/19/03	ND	100	5.00	0.70
Potassium	06/19/03	1290	NLE	1000	25.0
Selenium	06/19/03	ND	50	20.0	4.80
Silver	06/19/03	ND	20	5.00	0.60
Sodium	06/19/03	1830	50000	5000	1160
Thallium	06/19/03	2.18	10	10.0	1.90
Vanadium	06/19/03	0.616	NLE	5.00	0.20
Zinc	06/19/03	4.04	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
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R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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 #: 3027305
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW03

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	06/20/03	178	200	200	21.8
Antimony	06/20/03	ND	20	20.0	3.70
Arsenic	06/20/03	2.43	8	5.00	2.30
Barium	06/20/03	322	2000	5.00	0.50
Beryllium	06/20/03	ND	20	0.50	0.02
Cadmium	06/20/03	2.00	4	2.00	0.40
Calcium	06/20/03	154000	NLE	1000	65.0
Chromium	06/20/03	2.07	100	5.00	1.00
Cobalt	06/20/03	ND	NLE	2.00	0.30
Copper	06/20/03	10.3	1000	5.00	0.30
Iron	06/20/03	46500	300	500	78.0
Lead	06/20/03	4.20	10	5.00	0.80
Magnesium	06/20/03	20600	NLE	1000	11.0
Manganese	06/20/03	479	50	5.00	0.90
Mercury	06/19/03	ND	2	0.50	0.15
Nickel	06/20/03	4.62	100	5.00	0.70
Potassium	06/20/03	16400	NLE	1000	25.0
Selenium	06/20/03	ND	50	20.0	4.80
Silver	06/20/03	ND	20	5.00	0.60
Sodium	06/20/03	22900	50000	5000	1160
Thallium	06/20/03	2.53	10	10.0	1.90
Vanadium	06/20/03	3.99	NLE	5.00	0.20
Zinc	06/20/03	82.4	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.
E = Estimated result. Over high standard

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 #: 3027311
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW04

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	06/20/03	120	200	200	21.8
Antimony	06/20/03	ND	20	20.0	3.70
Arsenic	06/20/03	4.04	8	5.00	2.30
Barium	06/20/03	162	2000	5.00	0.50
Beryllium	06/20/03	0.0545	20	0.50	0.02
Cadmium	06/20/03	1.18	4	2.00	0.40
Calcium	06/20/03	31300	NLE	1000	65.0
Chromium	06/20/03	2.67	100	5.00	1.00
Cobalt	06/20/03	ND	NLE	2.00	0.30
Copper	06/20/03	3.65	1000	5.00	0.30
Iron	06/20/03	30800	300	500	78.0
Lead	06/20/03	ND	10	5.00	0.80
Magnesium	06/20/03	4020	NLE	1000	11.0
Manganese	06/20/03	437	50	5.00	0.90
Mercury	06/19/03	0.18	2	0.50	0.15
Nickel	06/20/03	ND	100	5.00	0.70
Potassium	06/20/03	6520	NLE	1000	25.0
Selenium	06/20/03	ND	50	20.0	4.80
Silver	06/20/03	ND	20	5.00	0.60
Sodium	06/20/03	8100	50000	5000	1160
Thallium	06/20/03	ND	10	10.0	1.90
Vanadium	06/20/03	1.91	NLE	5.00	0.20
Zinc	06/20/03	18.7	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.
E = Estimated result. Over high standard

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 #: 3027408
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW05

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	06/19/03	313	200	200	21.8
Antimony	06/19/03	ND	20	20.0	3.70
Arsenic	06/19/03	4.62	8	5.00	2.30
Barium	06/19/03	367	2000	5.00	0.50
Beryllium	06/19/03	0.106	20	0.50	0.02
Cadmium	06/19/03	2.41	4	2.00	0.40
Calcium	06/19/03	15800	NLE	1000	65.0
Chromium	06/19/03	4.06	100	5.00	1.00
Cobalt	06/19/03	ND	NLE	2.00	0.30
Copper	06/19/03	ND	1000	5.00	0.30
Iron	06/19/03	66600	300	500	78.0
Lead	06/19/03	ND	10	5.00	0.80
Magnesium	06/19/03	2520	NLE	1000	11.0
Manganese	06/19/03	36.7	50	5.00	0.90
Mercury	06/17/03	ND	2	0.50	0.15
Nickel	06/19/03	ND	100	5.00	0.70
Potassium	06/19/03	4940	NLE	1000	25.0
Selenium	06/19/03	ND	50	20.0	4.80
Silver	06/19/03	ND	20	5.00	0.60
Sodium	06/19/03	5310	50000	5000	1160
Thallium	06/19/03	ND	10	10.0	1.90
Vanadium	06/19/03	2.27	NLE	5.00	0.20
Zinc	06/19/03	8.48	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.
E = Estimated result. Over high standard

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 #: 3027415
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW06

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	06/19/03	125	200	200	21.8
Antimony	06/19/03	ND	20	20.0	3.70
Arsenic	06/19/03	3.45	8	5.00	2.30
Barium	06/19/03	202	2000	5.00	0.50
Beryllium	06/19/03	0.0445	20	0.50	0.02
Cadmium	06/19/03	1.41	4	2.00	0.40
Calcium	06/19/03	68100	NLE	1000	65.0
Chromium	06/19/03	2.29	100	5.00	1.00
Cobalt	06/19/03	ND	NLE	2.00	0.30
Copper	06/19/03	6.17	1000	5.00	0.30
Iron	06/19/03	31800	300	500	78.0
Lead	06/19/03	1.92	10	5.00	0.80
Magnesium	06/19/03	7500	NLE	1000	11.0
Manganese	06/19/03	336	50	5.00	0.90
Mercury	06/17/03	ND	2	0.50	0.15
Nickel	06/19/03	ND	100	5.00	0.70
Potassium	06/19/03	5990	NLE	1000	25.0
Selenium	06/19/03	ND	50	20.0	4.80
Silver	06/19/03	ND	20	5.00	0.60
Sodium	06/19/03	8780	50000	5000	1160
Thallium	06/19/03	ND	10	10.0	1.90
Vanadium	06/19/03	2.00	NLE	5.00	0.20
Zinc	06/19/03	30.7	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.
E = Estimated result. Over high standard

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 #: 3027409
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW07

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	06/19/03	714	200	200	21.8
Antimony	06/19/03	ND	20	20.0	3.70
Arsenic	06/19/03	ND	8	5.00	2.30
Barium	06/19/03	262	2000	5.00	0.50
Beryllium	06/19/03	0.204	20	0.50	0.02
Cadmium	06/19/03	1.89	4	2.00	0.40
Calcium	06/19/03	49100	NLE	1000	65.0
Chromium	06/19/03	8.78	100	5.00	1.00
Cobalt	06/19/03	ND	NLE	2.00	0.30
Copper	06/19/03	ND	1000	5.00	0.30
Iron	06/19/03	44600	300	500	78.0
Lead	06/19/03	2.57	10	5.00	0.80
Magnesium	06/19/03	5970	NLE	1000	11.0
Manganese	06/19/03	75.5	50	5.00	0.90
Mercury	06/17/03	ND	2	0.50	0.15
Nickel	06/19/03	1.23	100	5.00	0.70
Potassium	06/19/03	4960	NLE	1000	25.0
Selenium	06/19/03	ND	50	20.0	4.80
Silver	06/19/03	ND	20	5.00	0.60
Sodium	06/19/03	8340	50000	5000	1160
Thallium	06/19/03	ND	10	10.0	1.90
Vanadium	06/19/03	4.35	NLE	5.00	0.20
Zinc	06/19/03	27.3	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.
E = Estimated result. Over high standard

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 #: 3027310
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW08

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	06/20/03	370	200	200	21.8
Antimony	06/20/03	ND	20	20.0	3.70
Arsenic	06/20/03	ND	8	5.00	2.30
Barium	06/20/03	113	2000	5.00	0.50
Beryllium	06/20/03	0.0766	20	0.50	0.02
Cadmium	06/20/03	1.39	4	2.00	0.40
Calcium	06/20/03	39700	NLE	1000	65.0
Chromium	06/20/03	4.78	100	5.00	1.00
Cobalt	06/20/03	ND	NLE	2.00	0.30
Copper	06/20/03	ND	1000	5.00	0.30
Iron	06/20/03	34200	300	500	78.0
Lead	06/20/03	0.834	10	5.00	0.80
Magnesium	06/20/03	5100	NLE	1000	11.0
Manganese	06/20/03	44.5	50	5.00	0.90
Mercury	06/19/03	ND	2	0.50	0.15
Nickel	06/20/03	ND	100	5.00	0.70
Potassium	06/20/03	6970	NLE	1000	25.0
Selenium	06/20/03	ND	50	20.0	4.80
Silver	06/20/03	ND	20	5.00	0.60
Sodium	06/20/03	8070	50000	5000	1160
Thallium	06/20/03	ND	10	10.0	1.90
Vanadium	06/20/03	2.00	NLE	5.00	0.20
Zinc	06/20/03	9.39	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.
E = Estimated result. Over high standard

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 #: 3027412
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW09

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	06/19/03	883	200	200	21.8
Antimony	06/19/03	ND	20	20.0	3.70
Arsenic	06/19/03	3.07	8	5.00	2.30
Barium	06/19/03	1020	2000	5.00	0.50
Beryllium	06/19/03	0.833	20	0.50	0.02
Cadmium	06/19/03	7.92	4	2.00	0.40
Calcium	06/19/03	62800	NLE	1000	65.0
Chromium	06/19/03	8.67	100	5.00	1.00
Cobalt	06/19/03	ND	NLE	2.00	0.30
Copper	06/19/03	26.3	1000	5.00	0.30
Iron	06/19/03	123000	300	500	78.0
Lead	06/19/03	5.85	10	5.00	0.80
Magnesium	06/19/03	5200	NLE	1000	11.0
Manganese	06/19/03	2450	50	5.00	0.90
Mercury	06/17/03	0.18	2	0.50	0.15
Nickel	06/19/03	4.13	100	5.00	0.70
Potassium	06/19/03	6400	NLE	1000	25.0
Selenium	06/19/03	ND	50	20.0	4.80
Silver	06/19/03	ND	20	5.00	0.60
Sodium	06/19/03	4530	50000	5000	1160
Thallium	06/19/03	ND	10	10.0	1.90
Vanadium	06/19/03	8.76	NLE	5.00	0.20
Zinc	06/19/03	662	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.
E = Estimated result. Over high standard

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 #: 3027304
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW10

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	06/20/03	1260	200	200	21.8
Antimony	06/20/03	ND	20	20.0	3.70
Arsenic	06/20/03	ND	8	5.00	2.30
Barium	06/20/03	95.2	2000	5.00	0.50
Beryllium	06/20/03	0.237	20	0.50	0.02
Cadmium	06/20/03	0.582	4	2.00	0.40
Calcium	06/20/03	43100	NLE	1000	65.0
Chromium	06/20/03	16.6	100	5.00	1.00
Cobalt	06/20/03	ND	NLE	2.00	0.30
Copper	06/20/03	0.830	1000	5.00	0.30
Iron	06/20/03	10900	300	500	78.0
Lead	06/20/03	ND	10	5.00	0.80
Magnesium	06/20/03	3460	NLE	1000	11.0
Manganese	06/20/03	43.0	50	5.00	0.90
Mercury	06/19/03	ND	2	0.50	0.15
Nickel	06/20/03	0.975	100	5.00	0.70
Potassium	06/20/03	5920	NLE	1000	25.0
Selenium	06/20/03	ND	50	20.0	4.80
Silver	06/20/03	ND	20	5.00	0.60
Sodium	06/20/03	7490	50000	5000	1160
Thallium	06/20/03	ND	10	10.0	1.90
Vanadium	06/20/03	7.91	NLE	5.00	0.20
Zinc	06/20/03	15.6	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
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R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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 #: 3027413
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW11

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	06/19/03	ND	200	200	21.8
Antimony	06/19/03	ND	20	20.0	3.70
Arsenic	06/19/03	ND	8	5.00	2.30
Barium	06/19/03	31.3	2000	5.00	0.50
Beryllium	06/19/03	0.0387	20	0.50	0.02
Cadmium	06/19/03	ND	4	2.00	0.40
Calcium	06/19/03	38900	NLE	1000	65.0
Chromium	06/19/03	ND	100	5.00	1.00
Cobalt	06/19/03	ND	NLE	2.00	0.30
Copper	06/19/03	4.10	1000	5.00	0.30
Iron	06/19/03	219	300	500	78.0
Lead	06/19/03	ND	10	5.00	0.80
Magnesium	06/19/03	3930	NLE	1000	11.0
Manganese	06/19/03	20.7	50	5.00	0.90
Mercury	06/17/03	ND	2	0.50	0.15
Nickel	06/19/03	ND	100	5.00	0.70
Potassium	06/19/03	5280	NLE	1000	25.0
Selenium	06/19/03	5.86	50	20.0	4.80
Silver	06/19/03	ND	20	5.00	0.60
Sodium	06/19/03	3840	50000	5000	1160
Thallium	06/19/03	ND	10	10.0	1.90
Vanadium	06/19/03	ND	NLE	5.00	0.20
Zinc	06/19/03	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.
E = Estimated result. Over high standard

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 #: 3027414
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW12

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	06/19/03	ND	200	200	21.8
Antimony	06/19/03	ND	20	20.0	3.70
Arsenic	06/19/03	ND	8	5.00	2.30
Barium	06/19/03	32.8	2000	5.00	0.50
Beryllium	06/19/03	0.0324	20	0.50	0.02
Cadmium	06/19/03	ND	4	2.00	0.40
Calcium	06/19/03	38500	NLE	1000	65.0
Chromium	06/19/03	ND	100	5.00	1.00
Cobalt	06/19/03	ND	NLE	2.00	0.30
Copper	06/19/03	6.83	1000	5.00	0.30
Iron	06/19/03	ND	300	500	78.0
Lead	06/19/03	ND	10	5.00	0.80
Magnesium	06/19/03	4000	NLE	1000	11.0
Manganese	06/19/03	19.6	50	5.00	0.90
Mercury	06/17/03	ND	2	0.50	0.15
Nickel	06/19/03	ND	100	5.00	0.70
Potassium	06/19/03	5360	NLE	1000	25.0
Selenium	06/19/03	ND	50	20.0	4.80
Silver	06/19/03	ND	20	5.00	0.60
Sodium	06/19/03	4290	50000	5000	1160
Thallium	06/19/03	ND	10	10.0	1.90
Vanadium	06/19/03	0.237	NLE	5.00	0.20
Zinc	06/19/03	1.65	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
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R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

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

Lab ID #: 3027307
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW13

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	06/20/03	ND	200	200	21.8
Antimony	06/20/03	ND	20	20.0	3.70
Arsenic	06/20/03	2.96	8	5.00	2.30
Barium	06/20/03	275	2000	5.00	0.50
Beryllium	06/20/03	0.0478	20	0.50	0.02
Cadmium	06/20/03	1.74	4	2.00	0.40
Calcium	06/20/03	24800	NLE	1000	65.0
Chromium	06/20/03	ND	100	5.00	1.00
Cobalt	06/20/03	ND	NLE	2.00	0.30
Copper	06/20/03	ND	1000	5.00	0.30
Iron	06/20/03	46800	300	500	78.0
Lead	06/20/03	ND	10	5.00	0.80
Magnesium	06/20/03	2400	NLE	1000	11.0
Manganese	06/20/03	109	50	5.00	0.90
Mercury	06/19/03	ND	2	0.50	0.15
Nickel	06/20/03	ND	100	5.00	0.70
Potassium	06/20/03	6330	NLE	1000	25.0
Selenium	06/20/03	ND	50	20.0	4.80
Silver	06/20/03	ND	20	5.00	0.60
Sodium	06/20/03	10700	50000	5000	1160
Thallium	06/20/03	ND	10	10.0	1.90
Vanadium	06/20/03	0.492	NLE	5.00	0.20
Zinc	06/20/03	2.60	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
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R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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 #: 3027306
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW14

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	06/20/03	64.0	200	200	21.8
Antimony	06/20/03	ND	20	20.0	3.70
Arsenic	06/20/03	4.13	8	5.00	2.30
Barium	06/20/03	27.8	2000	5.00	0.50
Beryllium	06/20/03	0.0556	20	0.50	0.02
Cadmium	06/20/03	1.10	4	2.00	0.40
Calcium	06/20/03	11000	NLE	1000	65.0
Chromium	06/20/03	2.05	100	5.00	1.00
Cobalt	06/20/03	ND	NLE	2.00	0.30
Copper	06/20/03	ND	1000	5.00	0.30
Iron	06/20/03	25000	300	500	78.0
Lead	06/20/03	ND	10	5.00	0.80
Magnesium	06/20/03	4370	NLE	1000	11.0
Manganese	06/20/03	208	50	5.00	0.90
Mercury	06/19/03	ND	2	0.50	0.15
Nickel	06/20/03	ND	100	5.00	0.70
Potassium	06/20/03	987	NLE	1000	25.0
Selenium	06/20/03	ND	50	20.0	4.80
Silver	06/20/03	ND	20	5.00	0.60
Sodium	06/20/03	13000	50000	5000	1160
Thallium	06/20/03	ND	10	10.0	1.90
Vanadium	06/20/03	1.95	NLE	5.00	0.20
Zinc	06/20/03	4.70	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
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R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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 #: 3027315
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW15

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	06/20/03	258	200	200	21.8
Antimony	06/20/03	ND	20	20.0	3.70
Arsenic	06/20/03	246	8	5.00	2.30
Barium	06/20/03	35.2	2000	5.00	0.50
Beryllium	06/20/03	0.138	20	0.50	0.02
Cadmium	06/20/03	1.07	4	2.00	0.40
Calcium	06/20/03	36900	NLE	1000	65.0
Chromium	06/20/03	1.60	100	5.00	1.00
Cobalt	06/20/03	1.37	NLE	2.00	0.30
Copper	06/20/03	2.52	1000	5.00	0.30
Iron	06/20/03	5190	300	500	78.0
Lead	06/20/03	ND	10	5.00	0.80
Magnesium	06/20/03	5710	NLE	1000	11.0
Manganese	06/20/03	85.7	50	5.00	0.90
Mercury	06/19/03	ND	2	0.50	0.15
Nickel	06/20/03	6.01	100	5.00	0.70
Potassium	06/20/03	2020	NLE	1000	25.0
Selenium	06/20/03	ND	50	20.0	4.80
Silver	06/20/03	ND	20	5.00	0.60
Sodium	06/20/03	12300	50000	5000	1160
Thallium	06/20/03	ND	10	10.0	1.90
Vanadium	06/20/03	5.85	NLE	5.00	0.20
Zinc	06/20/03	73.0	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.
E = Estimated result. Over high standard

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 #: 3027312
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW16

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	06/20/03	625	200	200	21.8
Antimony	06/20/03	ND	20	20.0	3.70
Arsenic	06/20/03	ND	8	5.00	2.30
Barium	06/20/03	73.0	2000	5.00	0.50
Beryllium	06/20/03	0.0554	20	0.50	0.02
Cadmium	06/20/03	4.12	4	2.00	0.40
Calcium	06/20/03	26700	NLE	1000	65.0
Chromium	06/20/03	3.60	100	5.00	1.00
Cobalt	06/20/03	0.846	NLE	2.00	0.30
Copper	06/20/03	105	1000	5.00	0.30
Iron	06/20/03	15000	300	500	78.0
Lead	06/20/03	46.3	10	5.00	0.80
Magnesium	06/20/03	3060	NLE	1000	11.0
Manganese	06/20/03	198	50	5.00	0.90
Mercury	06/19/03	ND	2	0.50	0.15
Nickel	06/20/03	19.5	100	5.00	0.70
Potassium	06/20/03	2490	NLE	1000	25.0
Selenium	06/20/03	ND	50	20.0	4.80
Silver	06/20/03	0.683	20	5.00	0.60
Sodium	06/20/03	14900	50000	5000	1160
Thallium	06/20/03	ND	10	10.0	1.90
Vanadium	06/20/03	3.02	NLE	5.00	0.20
Zinc	06/20/03	513	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.
E = Estimated result. Over high standard

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 #: 3027407
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW17

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	06/19/03	173	200	200	21.8
Antimony	06/19/03	ND	20	20.0	3.70
Arsenic	06/19/03	ND	8	5.00	2.30
Barium	06/19/03	58.0	2000	5.00	0.50
Beryllium	06/19/03	0.167	20	0.50	0.02
Cadmium	06/19/03	0.499	4	2.00	0.40
Calcium	06/19/03	12800	NLE	1000	65.0
Chromium	06/19/03	1.59	100	5.00	1.00
Cobalt	06/19/03	1.23	NLE	2.00	0.30
Copper	06/19/03	3.33	1000	5.00	0.30
Iron	06/19/03	130	300	500	78.0
Lead	06/19/03	ND	10	5.00	0.80
Magnesium	06/19/03	1890	NLE	1000	11.0
Manganese	06/19/03	30.3	50	5.00	0.90
Mercury	06/17/03	ND	2	0.50	0.15
Nickel	06/19/03	6.69	100	5.00	0.70
Potassium	06/19/03	4020	NLE	1000	25.0
Selenium	06/19/03	ND	50	20.0	4.80
Silver	06/19/03	ND	20	5.00	0.60
Sodium	06/19/03	5130	50000	5000	1160
Thallium	06/19/03	ND	10	10.0	1.90
Vanadium	06/19/03	0.526	NLE	5.00	0.20
Zinc	06/19/03	313	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.
E = Estimated result. Over high standard

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 #: 3027406
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW18

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	06/19/03	ND	200	200	21.8
Antimony	06/19/03	ND	20	20.0	3.70
Arsenic	06/19/03	ND	8	5.00	2.30
Barium	06/19/03	100	2000	5.00	0.50
Beryllium	06/19/03	ND	20	0.50	0.02
Cadmium	06/19/03	0.941	4	2.00	0.40
Calcium	06/19/03	32800	NLE	1000	65.0
Chromium	06/19/03	ND	100	5.00	1.00
Cobalt	06/19/03	ND	NLE	2.00	0.30
Copper	06/19/03	ND	1000	5.00	0.30
Iron	06/19/03	31400	300	500	78.0
Lead	06/19/03	ND	10	5.00	0.80
Magnesium	06/19/03	4880	NLE	1000	11.0
Manganese	06/19/03	95.2	50	5.00	0.90
Mercury	06/17/03	ND	2	0.50	0.15
Nickel	06/19/03	ND	100	5.00	0.70
Potassium	06/19/03	7520	NLE	1000	25.0
Selenium	06/19/03	ND	50	20.0	4.80
Silver	06/19/03	ND	20	5.00	0.60
Sodium	06/19/03	7420	50000	5000	1160
Thallium	06/19/03	ND	10	10.0	1.90
Vanadium	06/19/03	0.218	NLE	5.00	0.20
Zinc	06/19/03	4.48	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.
E = Estimated result. Over high standard

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 #: 3027411
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW19

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	06/19/03	ND	200	200	21.8
Antimony	06/19/03	ND	20	20.0	3.70
Arsenic	06/19/03	ND	8	5.00	2.30
Barium	06/19/03	29.3	2000	5.00	0.50
Beryllium	06/19/03	ND	20	0.50	0.02
Cadmium	06/19/03	ND	4	2.00	0.40
Calcium	06/19/03	39700	NLE	1000	65.0
Chromium	06/19/03	ND	100	5.00	1.00
Cobalt	06/19/03	ND	NLE	2.00	0.30
Copper	06/19/03	ND	1000	5.00	0.30
Iron	06/19/03	553	300	500	78.0
Lead	06/19/03	ND	10	5.00	0.80
Magnesium	06/19/03	2800	NLE	1000	11.0
Manganese	06/19/03	60.2	50	5.00	0.90
Mercury	06/17/03	ND	2	0.50	0.15
Nickel	06/19/03	ND	100	5.00	0.70
Potassium	06/19/03	4370	NLE	1000	25.0
Selenium	06/19/03	ND	50	20.0	4.80
Silver	06/19/03	ND	20	5.00	0.60
Sodium	06/19/03	4280	50000	5000	1160
Thallium	06/19/03	ND	10	10.0	1.90
Vanadium	06/19/03	ND	NLE	5.00	0.20
Zinc	06/19/03	8.92	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.
E = Estimated result. Over high standard

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 #: 3027410
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW20

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	06/19/03	ND	200	200	21.8
Antimony	06/19/03	ND	20	20.0	3.70
Arsenic	06/19/03	ND	8	5.00	2.30
Barium	06/19/03	30.8	2000	5.00	0.50
Beryllium	06/19/03	ND	20	0.50	0.02
Cadmium	06/19/03	ND	4	2.00	0.40
Calcium	06/19/03	45800	NLE	1000	65.0
Chromium	06/19/03	ND	100	5.00	1.00
Cobalt	06/19/03	ND	NLE	2.00	0.30
Copper	06/19/03	1.02	1000	5.00	0.30
Iron	06/19/03	518	300	500	78.0
Lead	06/19/03	ND	10	5.00	0.80
Magnesium	06/19/03	2960	NLE	1000	11.0
Manganese	06/19/03	40.6	50	5.00	0.90
Mercury	06/17/03	ND	2	0.50	0.15
Nickel	06/19/03	ND	100	5.00	0.70
Potassium	06/19/03	4660	NLE	1000	25.0
Selenium	06/19/03	ND	50	20.0	4.80
Silver	06/19/03	ND	20	5.00	0.60
Sodium	06/19/03	6160	50000	5000	1160
Thallium	06/19/03	ND	10	10.0	1.90
Vanadium	06/19/03	ND	NLE	5.00	0.20
Zinc	06/19/03	2.29	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.
E = Estimated result. Over high standard

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 #: 3027314
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW21

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	06/20/03	38.5	200	200	21.8
Antimony	06/20/03	ND	20	20.0	3.70
Arsenic	06/20/03	ND	8	5.00	2.30
Barium	06/20/03	307	2000	5.00	0.50
Beryllium	06/20/03	ND	20	0.50	0.02
Cadmium	06/20/03	1.38	4	2.00	0.40
Calcium	06/20/03	84400	NLE	1000	65.0
Chromium	06/20/03	1.38	100	5.00	1.00
Cobalt	06/20/03	ND	NLE	2.00	0.30
Copper	06/20/03	2.15	1000	5.00	0.30
Iron	06/20/03	31500	300	500	78.0
Lead	06/20/03	0.932	10	5.00	0.80
Magnesium	06/20/03	5330	NLE	1000	11.0
Manganese	06/20/03	392	50	5.00	0.90
Mercury	06/19/03	ND	2	0.50	0.15
Nickel	06/20/03	ND	100	5.00	0.70
Potassium	06/20/03	3460	NLE	1000	25.0
Selenium	06/20/03	ND	50	20.0	4.80
Silver	06/20/03	ND	20	5.00	0.60
Sodium	06/20/03	15800	50000	5000	1160
Thallium	06/20/03	ND	10	10.0	1.90
Vanadium	06/20/03	0.942	NLE	5.00	0.20
Zinc	06/20/03	39.6	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.
E = Estimated result. Over high standard

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 #: 3027405
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW22

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	06/19/03	ND	200	200	21.8
Antimony	06/19/03	ND	20	20.0	3.70
Arsenic	06/19/03	ND	8	5.00	2.30
Barium	06/19/03	213	2000	5.00	0.50
Beryllium	06/19/03	0.039	20	0.50	0.02
Cadmium	06/19/03	1.71	4	2.00	0.40
Calcium	06/19/03	41200	NLE	1000	65.0
Chromium	06/19/03	ND	100	5.00	1.00
Cobalt	06/19/03	ND	NLE	2.00	0.30
Copper	06/19/03	ND	1000	5.00	0.30
Iron	06/19/03	47600	300	500	78.0
Lead	06/19/03	1.32	10	5.00	0.80
Magnesium	06/19/03	6200	NLE	1000	11.0
Manganese	06/19/03	104	50	5.00	0.90
Mercury	06/17/03	ND	2	0.50	0.15
Nickel	06/19/03	ND	100	5.00	0.70
Potassium	06/19/03	6930	NLE	1000	25.0
Selenium	06/19/03	ND	50	20.0	4.80
Silver	06/19/03	ND	20	5.00	0.60
Sodium	06/19/03	10800	50000	5000	1160
Thallium	06/19/03	ND	10	10.0	1.90
Vanadium	06/19/03	0.753	NLE	5.00	0.20
Zinc	06/19/03	11.2	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.
E = Estimated result. Over high standard

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 #: 3027308
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW23

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	06/20/03	ND	200	200	21.8
Antimony	06/20/03	ND	20	20.0	3.70
Arsenic	06/20/03	ND	8	5.00	2.30
Barium	06/20/03	329	2000	5.00	0.50
Beryllium	06/20/03	ND	20	0.50	0.02
Cadmium	06/20/03	1.38	4	2.00	0.40
Calcium	06/20/03	78500	NLE	1000	65.0
Chromium	06/20/03	1.07	100	5.00	1.00
Cobalt	06/20/03	ND	NLE	2.00	0.30
Copper	06/20/03	ND	1000	5.00	0.30
Iron	06/20/03	42400	300	500	78.0
Lead	06/20/03	ND	10	5.00	0.80
Magnesium	06/20/03	23900	NLE	1000	11.0
Manganese	06/20/03	203	50	5.00	0.90
Mercury	06/19/03	ND	2	0.50	0.15
Nickel	06/20/03	9.02	100	5.00	0.70
Potassium	06/20/03	7720	NLE	1000	25.0
Selenium	06/20/03	ND	50	20.0	4.80
Silver	06/20/03	ND	20	5.00	0.60
Sodium	06/20/03	13900	50000	5000	1160
Thallium	06/20/03	ND	10	10.0	1.90
Vanadium	06/20/03	7.45	NLE	5.00	0.20
Zinc	06/20/03	4.69	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.
E = Estimated result. Over high standard

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 #: 3027313
Sample Received: 06/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW24

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	06/20/03	ND	200	200	21.8
Antimony	06/20/03	ND	20	20.0	3.70
Arsenic	06/20/03	ND	8	5.00	2.30
Barium	06/20/03	313	2000	5.00	0.50
Beryllium	06/20/03	ND	20	0.50	0.02
Cadmium	06/20/03	2.11	4	2.00	0.40
Calcium	06/20/03	60900	NLE	1000	65.0
Chromium	06/20/03	1.15	100	5.00	1.00
Cobalt	06/20/03	ND	NLE	2.00	0.30
Copper	06/20/03	20.2	1000	5.00	0.30
Iron	06/20/03	58300	300	500	78.0
Lead	06/20/03	ND	10	5.00	0.80
Magnesium	06/20/03	4870	NLE	1000	11.0
Manganese	06/20/03	685	50	5.00	0.90
Mercury	06/19/03	ND	2	0.50	0.15
Nickel	06/20/03	ND	100	5.00	0.70
Potassium	06/20/03	2810	NLE	1000	25.0
Selenium	06/20/03	ND	50	20.0	4.80
Silver	06/20/03	ND	20	5.00	0.60
Sodium	06/20/03	9140	50000	5000	1160
Thallium	06/20/03	2.48	10	10.0	1.90
Vanadium	06/20/03	1.03	NLE	5.00	0.20
Zinc	06/20/03	14.2	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.
E = Estimated result. Over high standard

	Lab	Aluminum	Iron	Manganese	Lead	Cadmium	Magnesium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	300	50	10	4	NLE	-			-
05/02/1997	FMETL	360	100	150	ND	-	-	5.60			V,S,P,M
08/06/1997	FMETL	236.3	400	128	ND	-	-	8.15			V,S,P,M
10/23/1997	FMETL	344	488	78	11	1.6	4670	9.30			V,S,P,M
02/11/1998	FMETL	578	500	120	ND	3.5	3710	5.15			V,S,P,M
04/23/1998	FMETL	239	233	73.1	ND	2.5	1739	4.61			V,S,P,M
07/22/1998	FMETL	2480	7790	83.6	ND	2.5	4100	7.12			V,S,P,M
11/06/1998	FMETL	402	1480	84.1	6.95	6.23	4330	9.55			V,S,P,M
02/03/1999	FMETL	ND	1390	133	ND	3.27	4510	7.02			V,S,P,M
06/15/1999	FMETL	561	698	84.3	ND	1.56	4230	7.64			V,S,P,M
07/20/1999	FMETL	762	2420	94.4	ND	1.94	3780	8.53			V,S,P,M
10/07/1999	FMETL	393	3170	83.5	4.10	1.53	3890	7.97			V,S,P,M
03/07/2000	FMETL	840	1160	137	ND	3.31	6560	6.99			V,S,P,M
06/27/2000	FMETL	255	148	82.4	ND	1.72	3270	7.11			V,S,P,M
09/27/2000	FMETL	307	791	64.5	33.5	0.895	3210	6.81			V,S,P,M
09/27/2000D	FMETL	320	732	62.2	5.74	0.790	3240	6.81			V,S,P,M
12/20/2000	FMETL	567	1920	73.9	ND	1.45	3830	7.59			V,S,P,M
12/20/2000D	FMETL	550	2130	73.8	ND	1.30	3750	7.59			V,S,P,M
03/29/2001	FMETL	50.0	290	60.8	1.00	1.60	1560	4.81			V,S,P,M
06/27/2001	FMETL	ND	293	74.2	ND	1.78	1900	4.93			V,S,P,M
09/27/2001	FMETL	282	132	63.3	ND	1.25	3320	9.12			V,S,P,M
12/14/2001	FMETL	364	799	71.9	8.46	1.28	4390	9.96			V,S,P,M
03/27/2002	FMETL	472	91.3	125	ND	2.95	4110	8.30			V,S,P,M
06/20/2002	FMETL	643	710	104	ND	2.36	5630	8.62			V,S,P,M
09/24/2002	FMETL	1380	4930	82.7	1.85	1.88	4490	9.01			V,S,P,M
12/30/2002	FMETL	286	143	63.5	ND	1.40	1510	4.67			V,S,P,M
03/26/2003	FMETL	216	187	35.5	2.12	1.02	1130	4.56			V,S,P,M
06/06/2003	FMETL	539	1240	35.8	ND	1.19	1020	4.60			V,S,P,M

SOURCE: 00M2MW01

Sampling Dates:
05/02/1997 - 06/06/2003

NOTES:

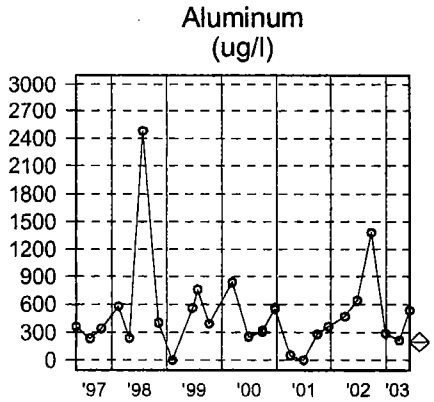
Silver in blank > GW Criteria for May 97.

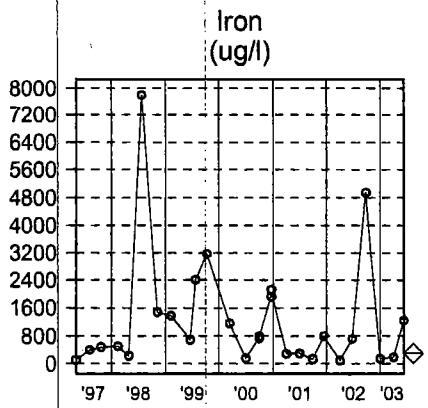
FORT MONMOUTH

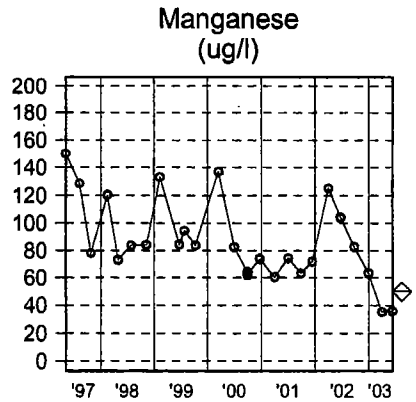
GW MONITORING
Bldg M-2

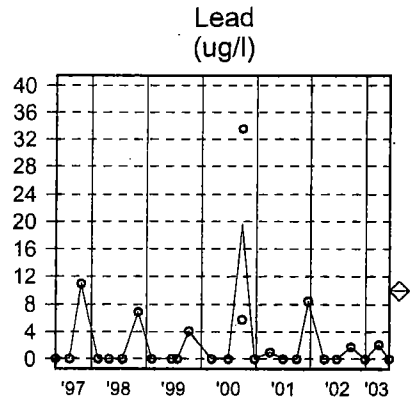
Source 1 of 24

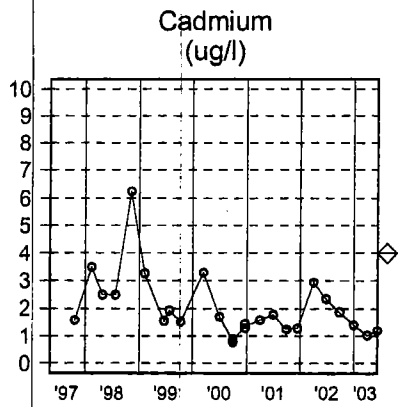
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

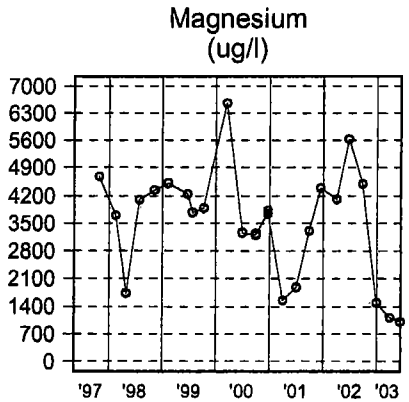


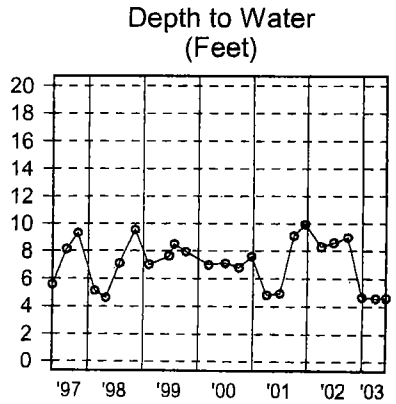












SOURCE: 00M2MW01

Sampling Dates:
05/02/1997 - 06/06/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 1 of 24, Graph

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FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Cadmium	Magnesium	Depth to Water	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	1	4	200	300	50	10	4	NLE	-	-
05/08/1997	FMETL	ND	18	49	35000	260	ND	-	-	7.80	V,S,P,M
08/06/1997	FMETL	1.36	18.56	51.7	82680	474	ND	-	-	10.60	V,S,P,M
10/23/1997	FMETL	ND	10.9	107	16200	145	7.0	ND	5470	10.90	V,S,P,M
02/11/1998	FMETL	ND	7.39	129	22500	157	ND	ND	5930	9.80	V,S,P,M
04/23/1998	FMETL	3.12	24.07	108	76160	282	ND	1.1	7788	9.84	V,S,P,M
07/22/1998	FMETL	6.44	36.51	44.7	26800	290	ND	ND	8540	10.64	V,S,P,M
11/06/1998	FMETL	2.73	44	48.2	33700	262	ND	0.913	6650	10.73	V,S,P,M
02/03/1999	FMETL	5.84	37.3	ND	50800	456	ND	ND	9400	10.02	V,S,P,M
06/15/1999	FMETL	4.70	22.3	ND	17000	254	ND	0.968	9140	10.67	V,S,P,M
07/20/1999	FMETL	4.39	23.13	29.4	13200	196	3.61	0.737	7260	10.77	V,S,P,M
10/07/1999	FMETL	1.88	37.17	ND	31400	249	ND	1.66	6800	10.64	V,S,P,M
03/07/2000	FMETL	5.86	69.55	75.5	46200	445	2.39	ND	10600	10.41	V,S,P,M
06/27/2000	FMETL	ND	31.22	ND	53900	352	ND	ND	10100	11.21	V,S,P,M
06/27/2000D	FMETL	ND	29.96	ND	55400	359	ND	ND	10300	11.21	V,S,P,M
09/25/2000	FMETL	ND	23.98	ND	15400	128	2.70	ND	5540	9.97	V,S,P,M
12/26/2000	FMETL	ND	31.06	ND	34400	223	ND	ND	7200	10.36	V,S,P,M
03/28/2001	FMETL	ND	26.97	ND	50200	327	8.00	5.10	7680	9.82	V,S,P,M
03/28/2001D	FMETL	ND	25.00	20.0	53000	329	9.00	5.30	7890	9.82	V,S,P,M
06/27/2001	FMETL	1.75	55.69	ND	11500	531	ND	ND	12500	9.77	V,S,P,M
09/26/2001	FMETL	1.08	57.62	ND	37800	553	ND	ND	11200	10.62	V,S,P,M
12/20/2001	FMETL	ND	7.05	ND	23300	185	ND	ND	5150	10.88	V,S,P,M
03/26/2002	FMETL	1.33	60.33	3000	27200	126	12.8	1.68	4560	10.15	V,S,P,M
06/19/2002	FMETL	ND	47.92	ND	99300	509	3.63	ND	14200	10.42	V,S,P,M
09/24/2002	FMETL	ND	41.55	27.1	55900	325	2.31	0.833	10900	10.70	V,S,P,M
12/30/2002	FMETL	ND	9.64	ND	25300	178	ND	ND	6470	9.86	V,S,P,M
03/26/2003	FMETL	1.74	40.14	59.6	29900	403	1.08	0.467	12200	9.20	V,S,P,M
06/09/2003	FMETL	ND	19.65	ND	9600	51.4	ND	0.776	1740	9.28	V,S,P,M

SOURCE: 00M2MW02

Sampling Dates:
05/08/1997 - 06/09/2003

NOTES:

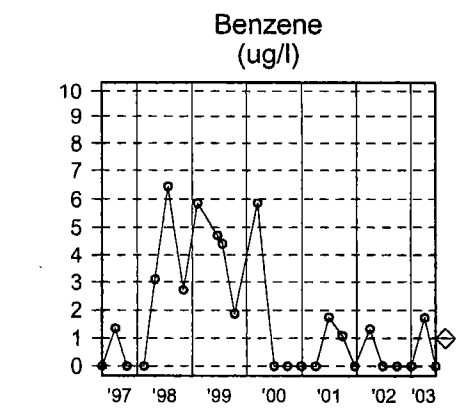
Silver in blank > GW Criteria for May 97.

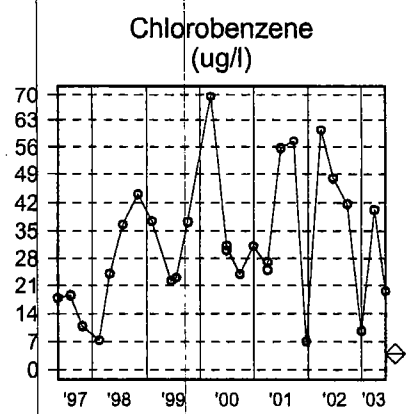
FORT MONMOUTH

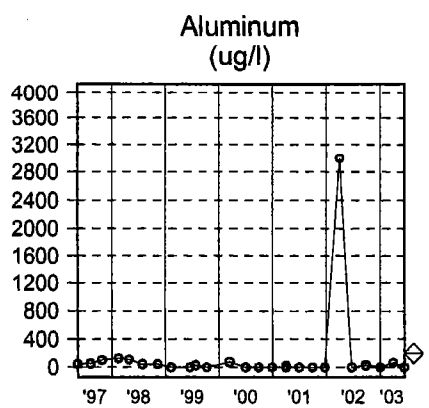
GW MONITORING
Bldg M-2

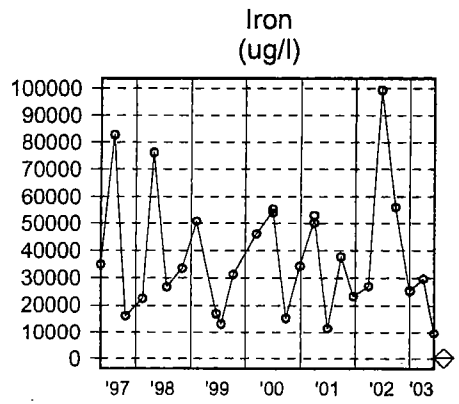
Source 2 of 24

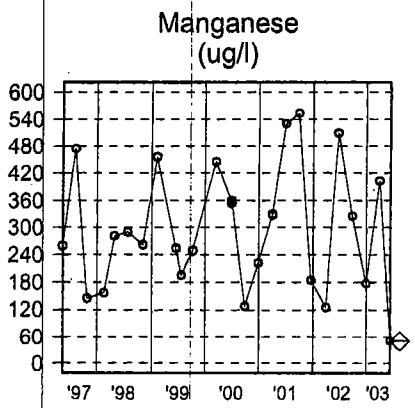
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

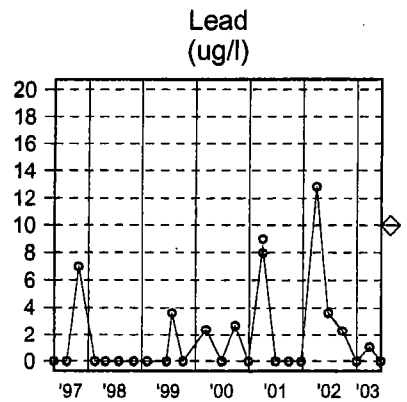


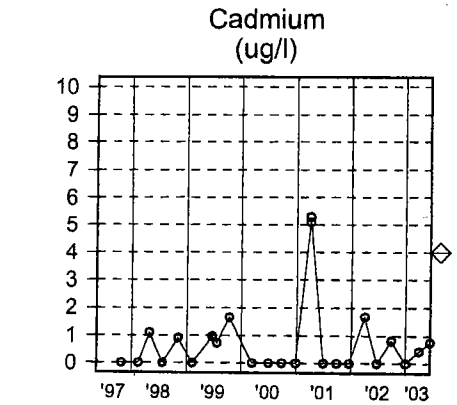


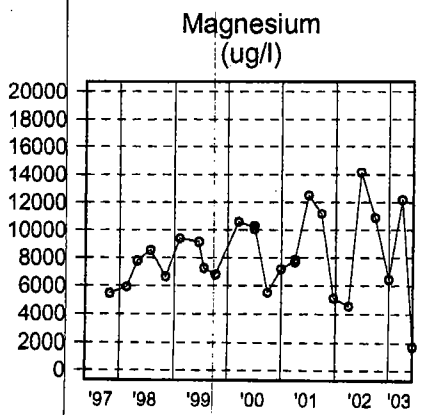


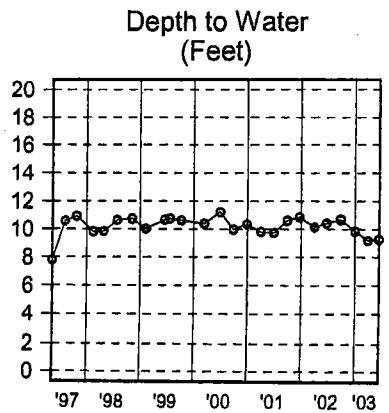












SOURCE: 00M2MW02

Sampling Dates:
05/08/1997 - 06/09/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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Bldg M-2

Source 2 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Magnesium	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	1	4	200	300	50	10	NLE	-		-
05/02/1997	FMETL	ND	4.69	62	12200	500	ND	-	7.80		V,S,P,M
08/06/1997	FMETL	ND	1.49	26	9300	511	ND	-	8.20		V,S,P,M
10/23/1997	FMETL	1.31	17.7	145	10010	427	13	4780	8.60		V,S,P,M
02/11/1998	FMETL	3.78	78.8	256	39970	513	ND	11200	7.40		V,S,P,M
04/23/1998	FMETL	4.26	107.81	58	69260	516	2.8	9303	7.83		V,S,P,M
07/22/1998	FMETL	ND	10.51	28.5	14500	395	ND	5010	6.67		V,S,P,M
11/06/1998	FMETL	1.78	11.9	66.3	13700	586	2.83	12000	8.39		V,S,P,M
02/03/1999	FMETL	ND	7.14	531	16500	407	5.02	8750	7.28		V,S,P,M
06/15/1999	FMETL	ND	4.29	25	13500	412	ND	5800	8.71		V,S,P,M
07/20/1999	FMETL	ND	3.68	18.6	16600	464	5.31	5250	8.61		V,S,P,M
10/07/1999	FMETL	1.59	11.20	12.4	13000	475	ND	7160	8.41		V,S,P,M
03/07/2000	FMETL	ND	3.42	47.6	11400	495	5.83	5570	8.16		V,S,P,M
06/27/2000	FMETL	ND	ND	ND	7990	423	3.44	4430	8.04		V,S,P,M
09/28/2000	FMETL	ND	ND	45.9	8990	424	ND	4750	7.97		V,S,P,M
12/20/2000	FMETL	ND	3.19	ND	9390	440	ND	5160	7.91		V,S,P,M
03/29/2001	FMETL	1.39	23.26	ND	29700	571	38.0	8960	7.42		V,S,P,M
06/27/2001	FMETL	1.90	60.9	ND	22000	266	ND	6390	7.57		V,S,P,M
09/27/2001	FMETL	ND	5.95	ND	11800	333	ND	4870	8.57		V,S,P,M
12/14/2001	FMETL	ND	3.10	90.0	7770	305	4.62	8730	8.63		V,S,P,M
03/27/2002	FMETL	ND	ND	ND	122000	674	5.53	15900	6.88		V,S,P,M
06/20/2002	FMETL	ND	3.87	750	12600	197	4.74	7970	8.48		V,S,P,M
09/25/2002	FMETL	1.01	15.9	56.8	19700	315	1.80	9760	8.51		V,S,P,M
12/27/2002	FMETL	1.62	31.69	166	9930	146	1.25	8440	7.23		V,S,P,M
03/26/2003	FMETL	1.73	36.38	118	12800	237	1.99	12500	7.09		V,S,P,M
06/06/2003	FMETL	4.45	93.42	178	46500	479	4.20	20600	6.80		V,S,P,M

SOURCE: 00M2MW03

Sampling Dates:
05/02/1997 - 06/06/2003

NOTES:

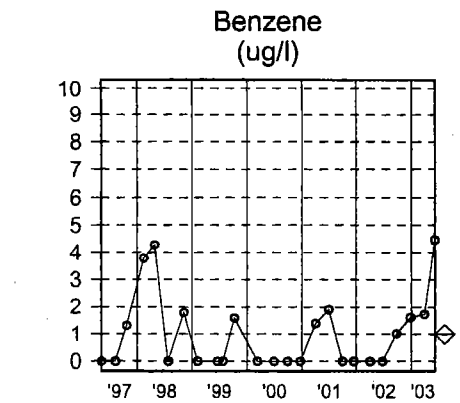
Silver in blank > GW Criteria for May 97.

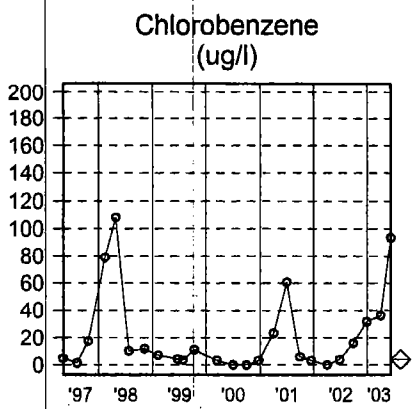
FORT MONMOUTH

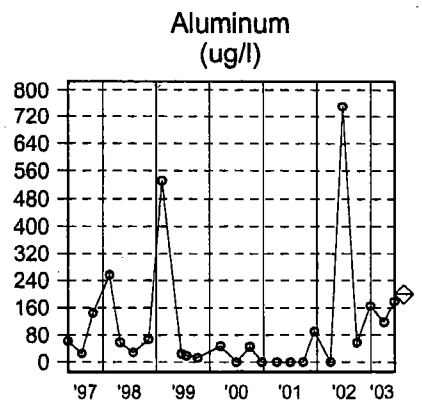
GW MONITORING
Bldg M-2

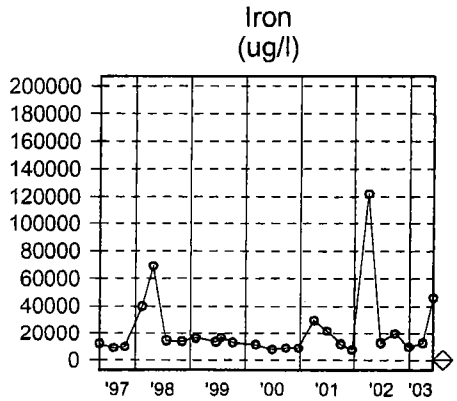
Source 3 of 24

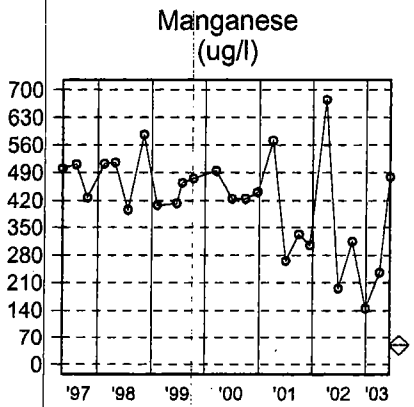
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

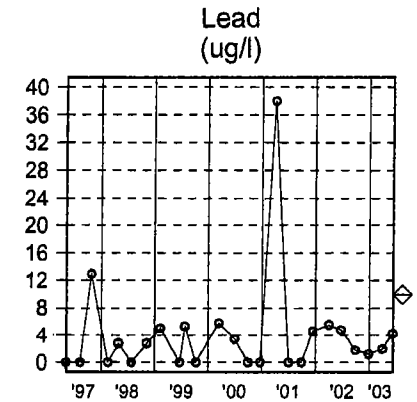


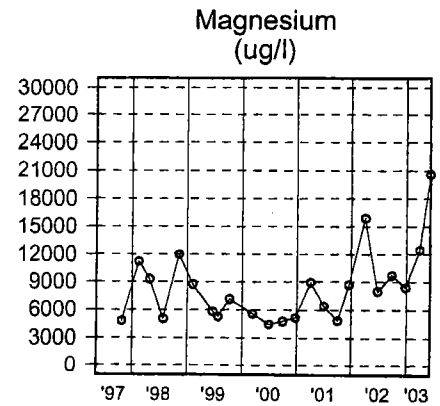


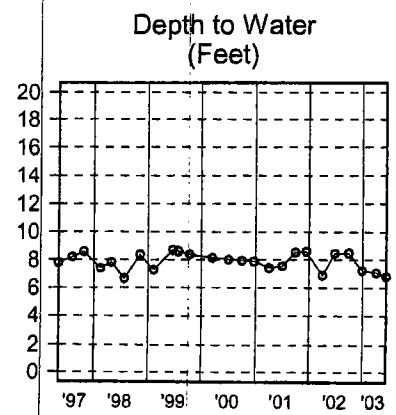












SOURCE: 00M2MW03

Sampling Dates:
05/02/1997 - 06/06/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 3 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	Chloro benzene	Aluminum	Iron	Manganese	Lead	Magnesium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	4	200	300	50	10	NLE	-			-
02/11/1998	FMETL	2.41	514	30140	534	ND	6840	8.80			V,S,P,M
04/27/1998	FMETL	ND	ND	17800	757	ND	5041	8.49			V,S,P,M
07/22/1998	FMETL	1.29	302	26300	3780	ND	3780	9.42			V,S,P,M
11/06/1998	FMETL	ND	209	23900	180	3.27	5230	10.33			V,S,P,M
02/03/1999	FMETL	ND	20.3	33300	2010	ND	4220	8.96			V,S,P,M
06/15/1999	FMETL	ND	57.6	31300	311	ND	3770	9.62			V,S,P,M.
07/20/1999	FMETL	2.75	52.3	32600	670	16.1	4790	9.91			V,S,P,M
10/07/1999	FMETL	5.96	73.6	43000	1160	2.97	6160	9.72			V,S,P,M
03/07/2000	FMETL	2.38	57.8	33700	312	9.26	3710	9.34			V,S,P,M
06/27/2000	FMETL	ND	ND	24400	245	6.14	3300	9.27			V,S,P,M
09/26/2000	FMETL	ND	ND	22800	150	ND	5090	9.11			V,S,P,M
12/26/2000	FMETL	13.11	119	69300	1450	403	7900	9.43			V,S,P,M
03/29/2001	FMETL	16.95	ND	75000	1430	14.0	7730	8.45			V,S,P,M
06/27/2001	FMETL	3.34	ND	80400	1820	2.41	4490	8.57			V,S,P,M
09/27/2001	FMETL	ND	44.3	34000	193	1.27	3350	9.76			V,S.P,M
09/27/2001D	FMETL	ND	126	34500	194	15.8	3460	9.76			V,S,P,M
12/20/2001	FMETL	ND	478	38100	198	5.85	3800	9.98			V,S,P,M
03/26/2002	FMETL	14.81	63.4	88600	985	4.04	16000	6.27			V,S,P,M
06/19/2002	FMETL	0.71	275	27400	204	2.54	3890	9.46			V,S,P,M
09/25/2002	FMETL	ND	85.8	30600	178	ND	3330	9.74			V,S,P,M
12/30/2002	FMETL	ND	ND	28000	235	ND	3240	8.57			V,S,P,M
03/25/2003	FMETL	4.44	32.8	32300	707	ND	8720	8.47			V,S,P,M
06/06/2003	FMETL	1.95	120	30800	437	ND	4020	8.19			V,S,P,M

SOURCE: 00M2MW04

Sampling Dates:
02/11/1998 - 06/06/2003

NOTES:

Silver in blank > GW Criteria for May 97.

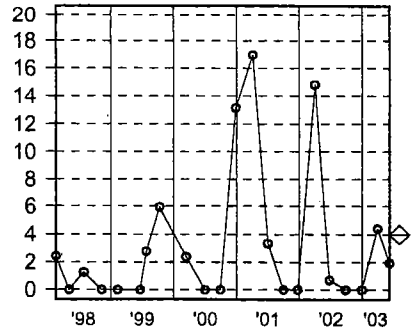
FORT MONMOUTH

GW MONITORING
Bldg M-2

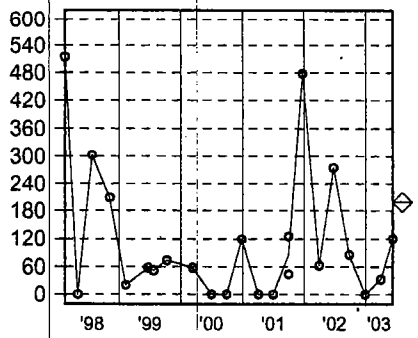
Source 4 of 24

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

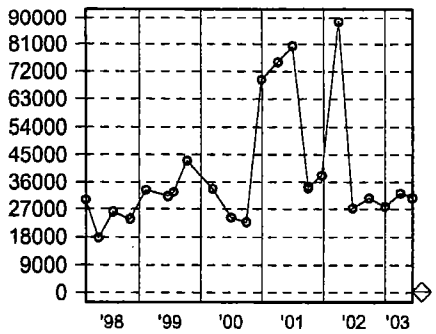
Chlorobenzene
(ug/l)



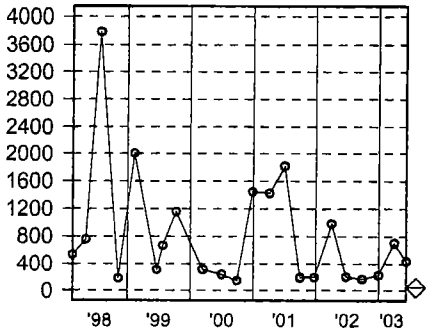
Aluminum
(ug/l)



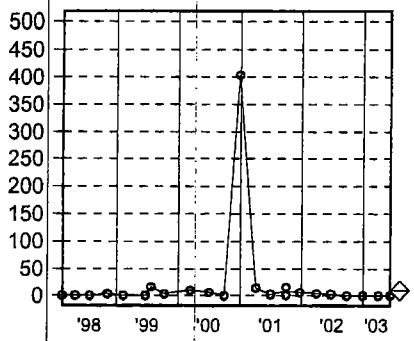
Iron
(ug/l)



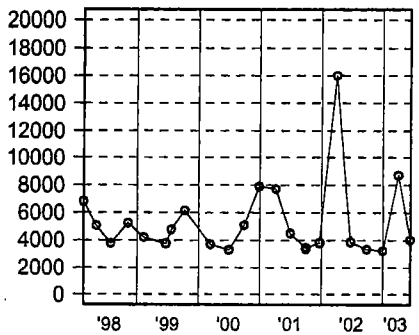
Manganese
(ug/l)



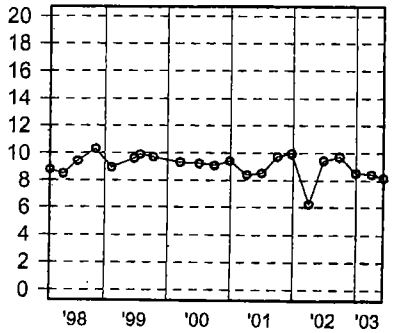
Lead
(ug/l)



Magnesium
(ug/l)



Depth to Water
(Feet)



SOURCE: 00M2MW04

Sampling Dates:
02/11/1998 - 06/06/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 4 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Magnesium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	. Feet				-
NJDEP Criteria:	-	200	300	50	10	NLE	-				-
10/19/1998	FMETL	1080	15800	34.2	4.09	2660	6.84				V,S,P,M
11/02/1998	FMETL	4860	29900	45.5	15.3	4270	6.84				V,S,P,M
02/03/1999	FMETL	633	35300	48.2	4.62	1970	6.14				V,S,P,M
06/15/1999	FMETL	2040	72000	41.5	7.58	2780	6.75				V,S,P,M
07/20/1999	FMETL	1360	45800	38.1	4.71	2570	6.89				V,S,P,M
10/07/1999	FMETL	1590	28300	36.5	4.59	2760	6.65				V,S,P,M
03/07/2000	FMETL	370	74400	43.2	5.24	2460	6.45				V,S,P,M
06/27/2000	FMETL	467	58900	37.7	ND	2650	6.57				V,S,P,M
09/25/2000	FMETL	1220	26000	30.6	2.95	3030	6.17				V,S,P,M
12/26/2000	FMETL	1940	148000	49.4	12.9	2940	6.46				V,S,P,M
12/26/2000D	FMETL	1140	95200	41.5	24.9	2680	6.46				V,S,P,M
03/28/2001	FMETL	1750	140000	29.2	17.0	3020	6.00				V,S,P,M
06/26/2001	FMETL	ND	22400	32.9	ND	2540	5.97				V,S,P,M
09/26/2001	FMETL	2950	111000	44.4	9.23	3600	6.71				V,S,P,M
12/20/2001	FMETL	843	88400	40.8	7.41	3030	6.64				V,S,P,M
03/26/2002	FMETL	265	82400	35.6	4.62	2540	6.23				V,S,P,M
06/19/2002	FMETL	285	44500	32.4	1.53	2510	13.85				V,S,P,M
09/24/2002	FMETL	1180	81500	60.4	4.85	2770	6.75				V,S,P,M
12/16/2002	FMETL	80.8	24300	46.7	ND	2620	5.92				V,S,P,M
03/25/2003	FMETL	ND	5340	26.4	ND	2400	6.10				V,S,P,M
06/09/2003	FMETL	313	66600	36.7	ND	2520	5.68				V,S,P,M

SOURCE: 00M2MW05

Sampling Dates:
10/19/1998 - 06/09/2003

NOTES:

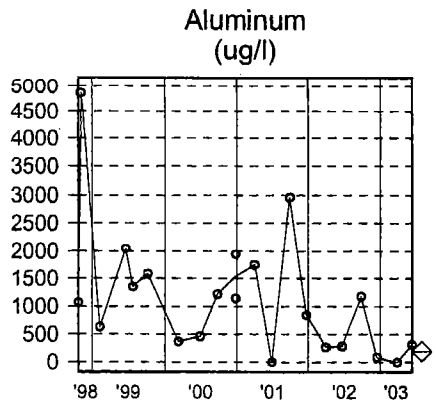
Silver in blank > GW Criteria for May 97.

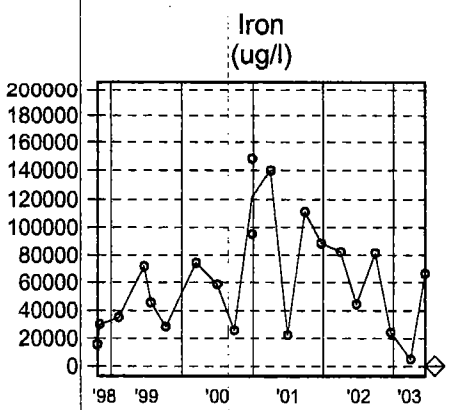
FORT MONMOUTH

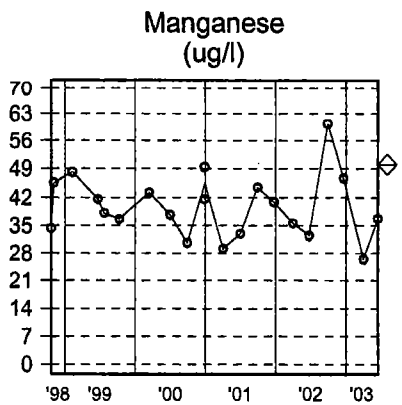
GW MONITORING
Bldg M-2

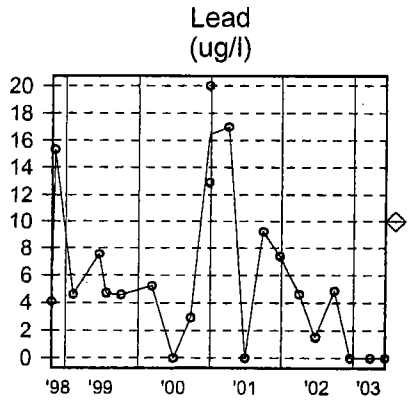
Source 5 of 24

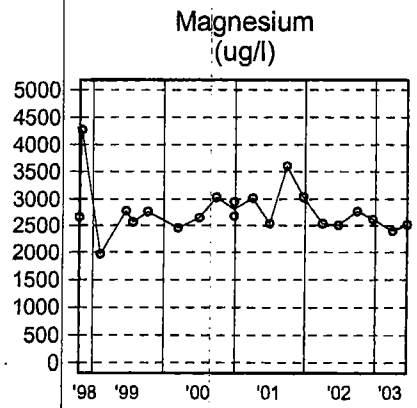
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

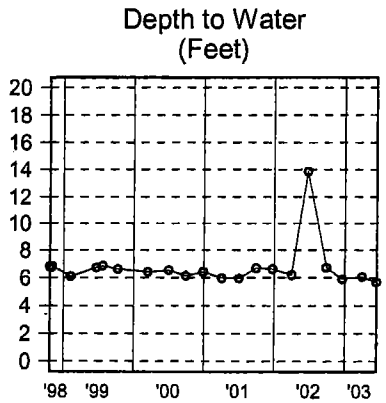












SOURCE: 00M2MW05

Sampling Dates:
10/19/1998 - 06/09/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 5 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Chloro benzene	Aluminum	Iron	Manganese	Lead	Magnesium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	4	200	300	50	10	NLE	-			-
10/19/1998	FMETL	1.36	1240	16500	72.5	22.4	4970	9.12			V,S,P,M
11/02/1998	FMETL	ND	10300	43500	92.7	90.5	8030	9.12			V,S,P,M
02/03/1999	FMETL	ND	1330	50700	138	13.6	5620	8.18			V,S,P,M
06/15/1999	FMETL	ND	749	38100	55.0	6.26	4710	8.79			V,S,P,M
07/20/1999	FMETL	ND	992	36700	59.6	9.72	4830	9.08			V,S,P,M
10/07/1999	FMETL	ND	616	26100	52.4	6.95	4810	8.74			V,S,P,M
03/07/2000	FMETL	ND	753	45000	247	ND	14100	8.64			V,S,P,M
06/27/2000	FMETL	ND	738	45200	66.3	6.32	5380	8.53			V,S,P,M
09/28/2000	FMETL	ND	41.9	12500	56.8	ND	5350	8.21			V,S,P,M
09/28/2000D	FMETL	ND	30.3	8850	424	ND	4720	8.21			V,S,P,M
12/26/2000	FMETL	ND	52.4	12100	53.3	ND	4870	8.70			V,S,P,M
12/26/2000D	FMETL	ND	ND	12000	53.5	41.2	4840	8.70			V,S,P,M
03/27/2001	FMETL	5.32	ND	24600	250	ND	6760	8.07			V,S,P,M
03/27/2001D	FMETL	5.31	ND	24500	248	ND	6730	8.07			V,S,P,M
06/23/2001	FMETL	ND	ND	10800	44.3	ND	4760	7.94			V,S,P,M
09/26/2001	FMETL	ND	220	19500	54.5	9.27	5810	9.32			V,S,P,M
12/10/2001	FMETL	ND	3510	30600	57.8	35.3	6340	8.98			V,S,P,M
03/26/2002	FMETL	ND	31.8	17000	47.3	ND	5130	9.17			V,S,P,M
06/22/2002	FMETL	ND	42.8	19900	55.1	2.09	5000	8.87			V,S,P,M
09/26/2002	FMETL	ND	36.1	9660	49.5	ND	5100	8.92			V,S,P,M
12/27/2002	FMETL	ND	113	9280	56.6	3.11	4660	7.84			V,S,P,M
03/20/2003	FMETL	2.57	32.1	22700	297	ND	6600	6.18			V,S,P,M

SOURCE: 00M2MW06

Sampling Dates:
10/19/1998 - 03/20/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 6 of 24

U.S.ARMY
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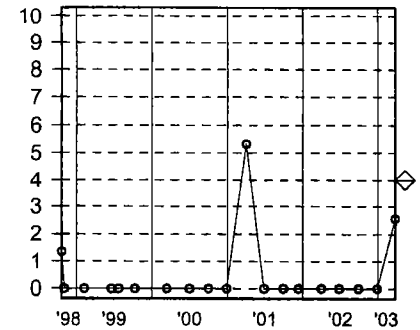
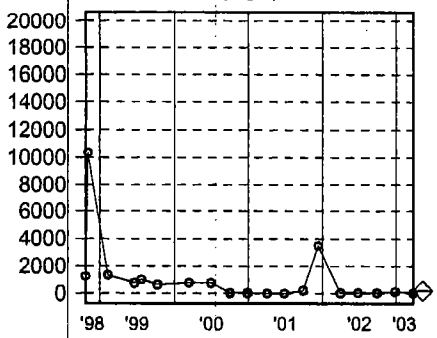
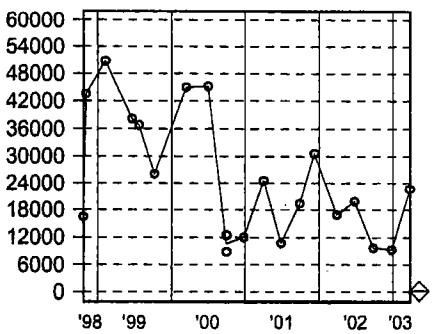
Chlorobenzene
(ug/l)



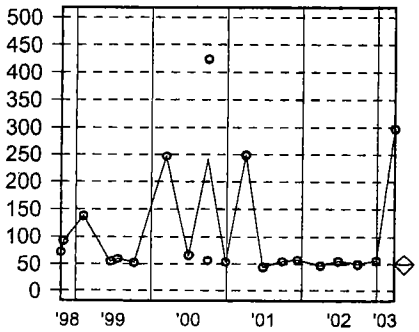
Aluminum
(ug/l)



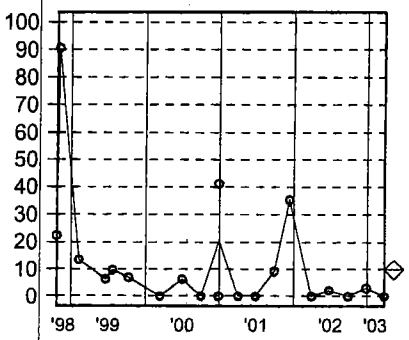
Iron
(ug/l)



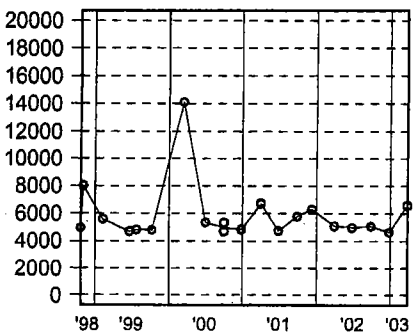
Manganese
(ug/l)



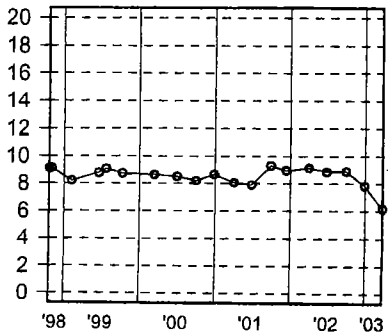
Lead
(ug/l)



Magnesium
(ug/l)



Depth to Water
(Feet)



SOURCE: 00M2MW06

Sampling Dates:
10/19/1998 - 03/20/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 6 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Magnesium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	300	50	10	NLE	-				-
10/19/1998	FMETL	1480	14800	94.8	13	6010	7.61				V,S,P,M
11/02/1998	FMETL	3870	23800	82.2	16.4	6450	7.61				V,S,P,M
02/03/1999	FMETL	433	41800	79.6	3.41	5240	6.66				V,S,P,M
06/15/1999	FMETL	780	71900	80.3	ND	5660	7.31				V,S,P,M
07/20/1999	FMETL	1150	19800	70.1	4.93	5740	7.61				V,S,P,M
10/07/1999	FMETL	1680	35100	81.7	4.53	5900	7.24				V,S,P,M
03/07/2000	FMETL	248	118000	156	ND	5760	7.15				V,S,P,M
06/27/2000	FMETL	161	167000	97.9	2.65	6190	7.21				V,S,P,M
09/28/2000	FMETL	51.5	9940	58.2	ND	5730	7.02				V,S,P,M
12/26/2000	FMETL	129	49200	118	ND	5300	7.41				V,S,P,M
03/28/2001	FMETL	1670	186000	119	18.0	6060	6.78				V,S,P,M
06/27/2001	FMETL	ND	289000	135	13.6	5950	6.66				V,S,P,M
09/26/2001	FMETL	807	20200	60.4	ND	6120	7.62				V,S,P,M
12/20/2001	FMETL	555	26100	67.5	5.79	5760	7.61				V,S,P,M
03/26/2002	FMETL	1880	182000	101	8.04	6270	7.05				V,S,P,M
06/19/2002	FMETL	336	15900	54.7	ND	5310	7.41				V,S,P,M
09/24/2002	FMETL	437	30100	72.8	1.89	6020	7.44				V,S,P,M
12/16/2002	FMETL	ND	15200	66.5	1.41	5810	6.63				V,S,P,M
03/25/2003	FMETL	27.8	22900	53.3	ND	5040	6.77				V,S,P,M
06/09/2003	FMETL	714	44600	75.5	2.57	5970	6.31				V,S,P,M

SOURCE: 00M2MW07

Sampling Dates:
10/19/1998 - 06/09/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

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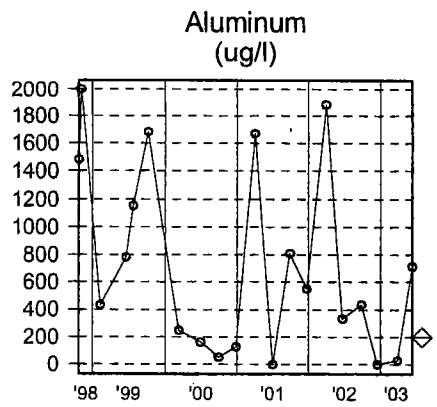
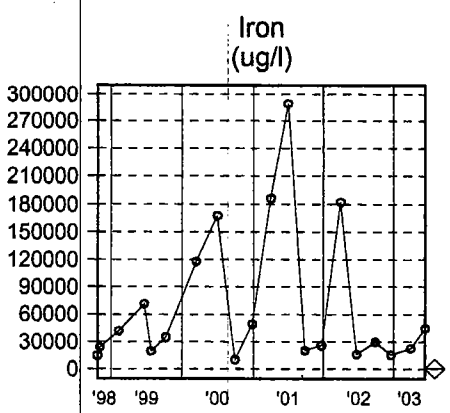
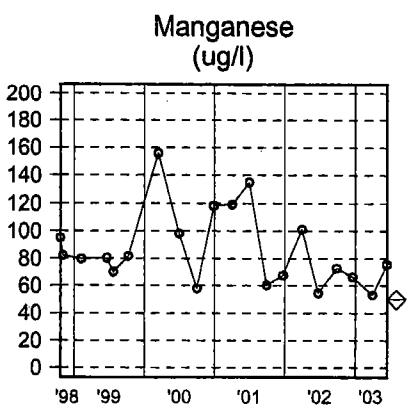
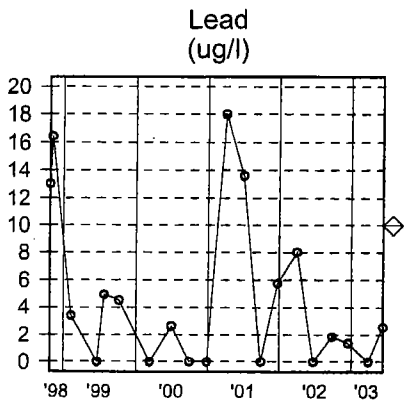
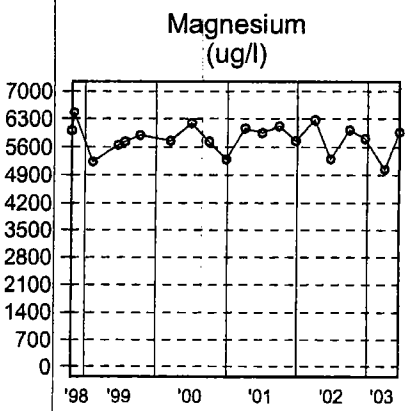
SELFM-PW-EV

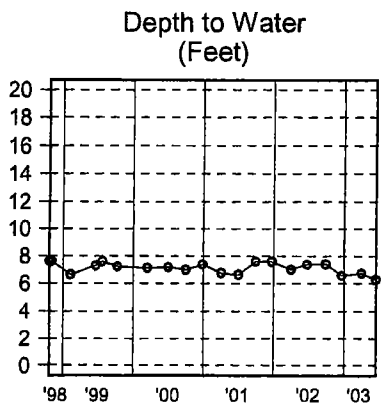












SOURCE: 00M2MW07

Sampling Dates:
10/19/1998 - 06/09/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 7 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Aluminum	Iron	Manganese	Lead	Magnesium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	1	200	300	50	10	NLE	-			-
10/19/1998	FMETL	7.46	1490	18400	55.1	11	5200	7.48			V,S,P,M
11/02/1998	FMETL	5.88	8250	46100	69.9	45	8600	7.48			V,S,P,M
02/03/1999	FMETL	5.56	1350	76500	61.7	5.57	4460	6.46			V,S,P,M
06/15/1999	FMETL	4.13	3630	142000	74.6	13.5	5910	7.22			V,S,P,M
07/20/1999	FMETL	2.66	1560	37200	56.5	10.6	5220	7.51			V,S,P,M
10/07/1999	FMETL	ND	935	32500	55.5	6.65	5090	7.29			V,S,P,M
03/07/2000	FMETL	ND	616	73100	56.5	3.37	4750	6.92			V,S,P,M
06/27/2000	FMETL	ND	327	40000	47.1	31.0	4960	7.01			V,S,P,M
09/28/2000	FMETL	1.12	37.3	13700	43.8	ND	5030	6.71			V,S,P,M
12/26/2000	FMETL	ND	257	47400	38.5	ND	4580	6.23			V,S,P,M
03/29/2001	FMETL	2.19	2280	221000	50.9	37.0	5790	6.54			V,S,P,M
06/26/2001	FMETL	ND	583	116000	72.5	20.7	5110	6.49			V,S,P,M
09/27/2001	FMETL	ND	1320	23200	49.0	4.15	5810	6.26			V,S,P,M
12/20/2001	FMETL	ND	5360	54800	64.0	66.5	7670	7.48			V,S,P,M
03/26/2002	FMETL	ND	5140	126000	80.5	33.9	7280	6.95			V,S,P,M
06/19/2002	FMETL	ND	891	45500	50.4	10.2	5250	7.20			V,S,P,M
09/24/2002	FMETL	ND	1570	33000	49.7	5.61	5560	7.24			V,S,P,M
12/16/2002	FMETL	1.41	ND	15100	47.1	1.15	4420	6.25			V,S,P,M
03/25/2003	FMETL	ND	48.4	3250	36.6	ND	4530	5.43			V,S,P,M
06/06/2003	FMETL	2.20	370	34200	44.5	0.834	5100	6.05			V,S,P,M

SOURCE: 00M2MW08

Sampling Dates:
10/19/1998 - 06/06/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 8 of 24

U.S.ARMY
FORT MONMOUTH
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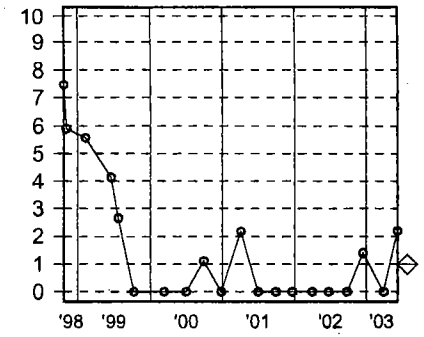
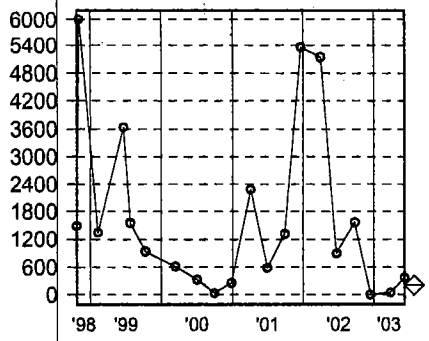
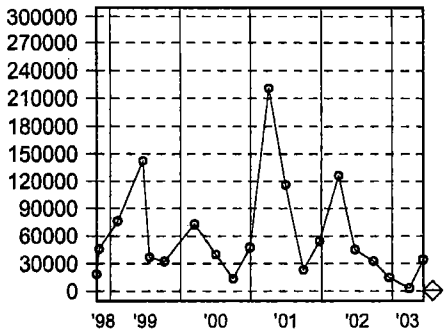
Benzene
(ug/l)



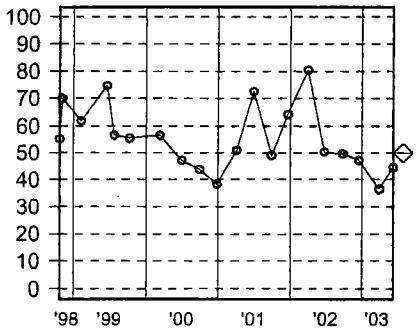
Aluminum
(ug/l)



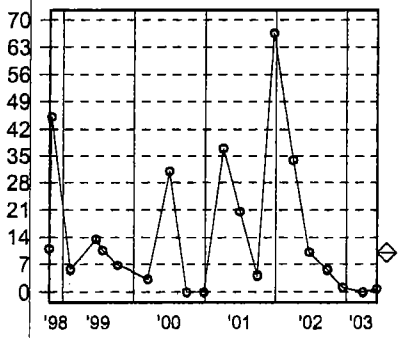
Iron
(ug/l)



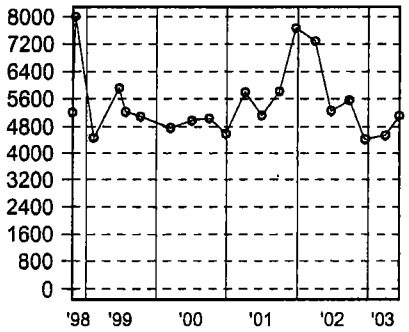
Manganese
(ug/l)



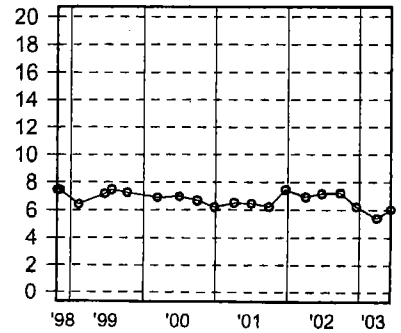
Lead
(ug/l)



Magnesium
(ug/l)



Depth to Water
(Feet)



SOURCE: 00M2MW08

Sampling Dates:
10/19/1998 - 06/06/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 8 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Aluminum	Iron	Manganese	Lead	Magnesium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	1	200	300	50	10	NLE	-			-
10/19/1998	FMETL	538.24	455	10400	1920	7	5650	10.85			V,S,P,M
11/02/1998	FMETL	205.68	7880	36100	1560	41.6	7540	10.85			V,S,P,M
02/03/1999	FMETL	263.2	3250	30900	4260	13.1	7820	10.17			V,S,P,M
06/15/1999	FMETL	23.39	32300	99300	1430	95.9	14100	10.78			V,S,P,M
07/20/1999	FMETL	14.32	5850	24900	1200	20.5	6210	10.99			V,S,P,M
10/07/1999	FMETL	3.91	5000	27500	1460	29.3	5590	10.59			V,S,P,M
03/07/2000	FMETL	2.21	2850	15200	1310	11.2	5260	10.89			V,S,P,M
06/27/2000	FMETL	ND	671	29200	1780	54.2	4760	11.03			V,S,P,M
09/28/2000	FMETL	ND	5170	28800	1470	42.7	5430	10.11			V,S,P,M
12/27/2000	FMETL	ND	126	4820	747	ND	3950	10.80			V,S,P,M
03/27/2001	FMETL	ND	80.0	10800	1690	ND	5220	10.18			V,S,P,M
06/23/2001	FMETL	ND	ND	20000	1740	ND	4000	10.30			V,S,P,M
09/26/2001	FMETL	ND	274	27400	1720	2.39	4980	11.06			V,S,P,M
12/31/2001	FMETL	ND	617	23200	780	7.01	2460	11.09			V,S,P,M
03/26/2002	FMETL	ND	729	16700	1380	4.03	4590	10.76			V,S,P,M
06/22/2002	FMETL	ND	ND	11000	1330	ND	4370	10.11			V,S,P,M
09/27/2002	FMETL	ND	35.9	5920	663	ND	4380	10.88			V,S,P,M
12/27/2002	FMETL	2.35	117	5960	1170	ND	4490	10.32			V,S,P,M
03/25/2003	FMETL	ND	487	10400	870	3.21	4700	6.19			V,S,P,M
06/09/2003	FMETL	ND	883	123000	2450	5.85	5200	7.53			V,S,P,M

SOURCE: 00M2MW09

Sampling Dates:
10/19/1998 - 06/09/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

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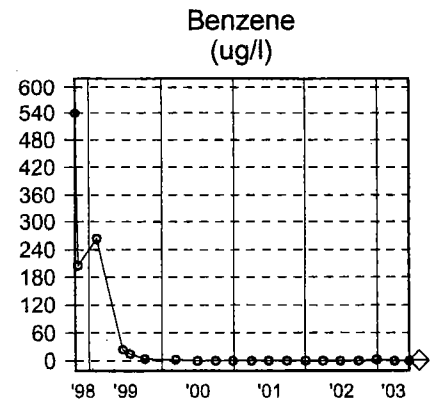
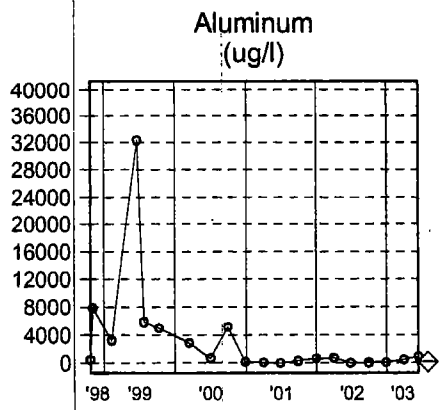
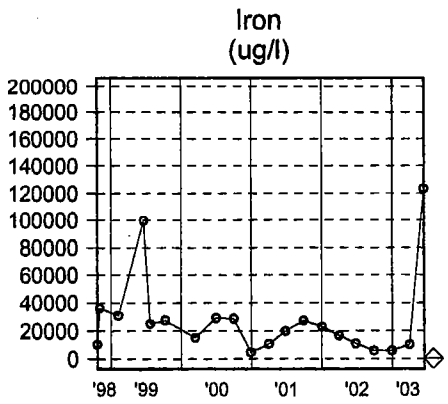
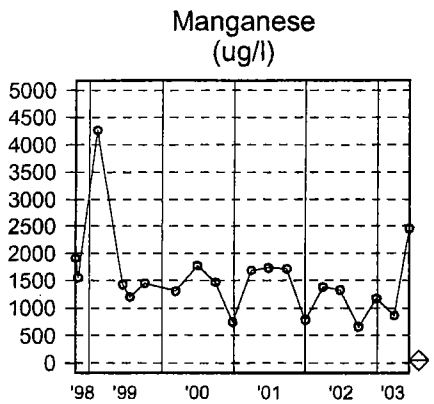
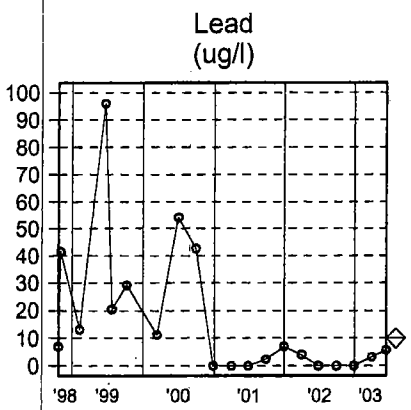
FORT MONMOUTH
SELFM-PW-EV

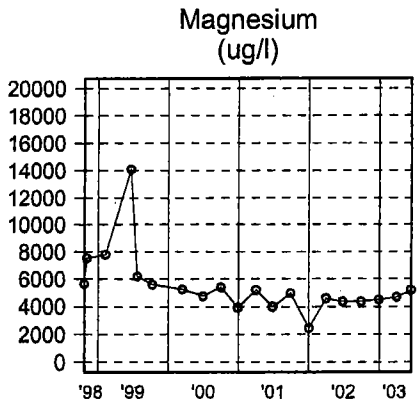


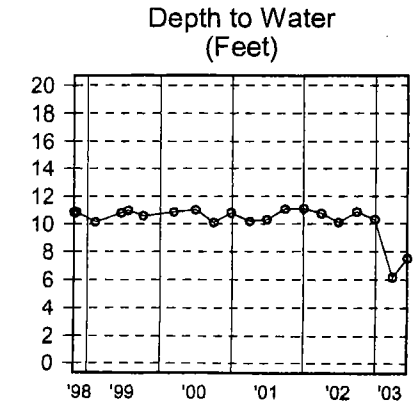












SOURCE: 00M2MW09

Sampling Dates:
10/19/1998 - 06/09/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 9 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Magnesium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	300	50	10	NLE	-				-
10/19/1998	FMETL	486	4280	22.5	2.94	1750	8.24				V,S,P,M
11/02/1998	FMETL	3670	20600	47.4	4.47	4300	8.24				V,S,P,M
02/03/1999	FMETL	638	24300	68.6	ND	2600	6.81				V,S,P,M
06/15/1999	FMETL	5610	65600	79.2	7.75	4430	7.94				V,S,P,M
07/20/1999	FMETL	1010	10700	63.1	8.20	3260	8.35				V,S,P,M
10/07/1999	FMETL	98.4	6390	37.7	ND	2960	8.00				V,S,P,M
03/07/2000	FMETL	442	46200	104	ND	3220	7.50				V,S,P,M
06/27/2000	FMETL	430	6530	36.4	7.42	3220	7.61				V,S,P,M
09/27/2000	FMETL	218	2890	27.5	ND	3380	7.01				V,S,P,M
12/26/2000	FMETL	441	39500	159	ND	2990	7.93				V,S,P,M
03/29/2001	FMETL	750	73400	85.4	9.00	3520	8.34				V,S,P,M
06/26/2001	FMETL	1460	10900	44.3	1.88	3430	8.41				V,S,P,M
09/27/2001	FMETL	2550	12000	46.4	2.59	4020	8.31				V,S,P,M
12/20/2001	FMETL	ND	33500	237	2.24	3400	8.62				V,S,P,M
03/26/2002	FMETL	5330	207000	332	10.3	5620	7.88				V,S,P,M
06/20/2002	FMETL	1170	22500	50.5	ND	3470	8.06				V,S,P,M
09/24/2002	FMETL	806	8480	48.1	ND	3400	7.86				V,S,P,M
12/16/2002	FMETL	652	24400	74.2	1.61	3310	7.63				V,S,P,M
03/25/2003	FMETL	60.4	1350	33.0	ND	3380	7.45				V,S,P,M
06/06/2003	FMETL	1260	10900	43.0	ND	3460	7.07				V,S,P,M

SOURCE: 00M2MW10

Sampling Dates:
10/19/1998 - 06/06/2003

NOTES:

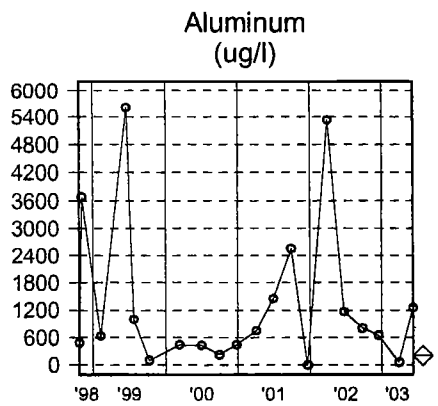
Silver in blank > GW Criteria for May 97.

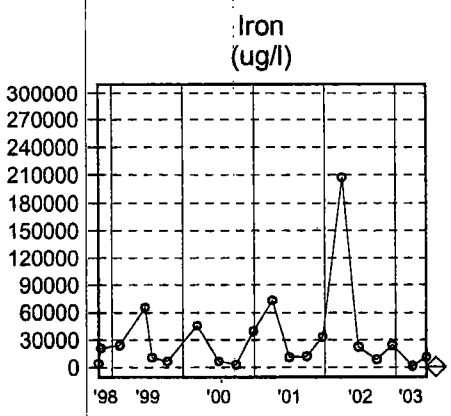
FORT MONMOUTH

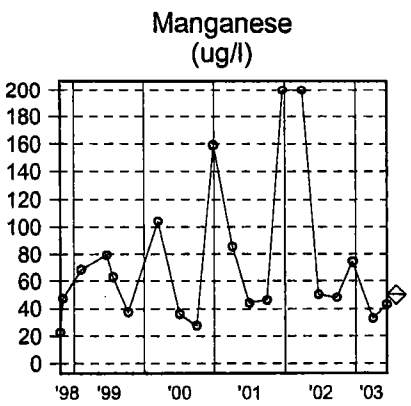
GW MONITORING
Bldg M-2

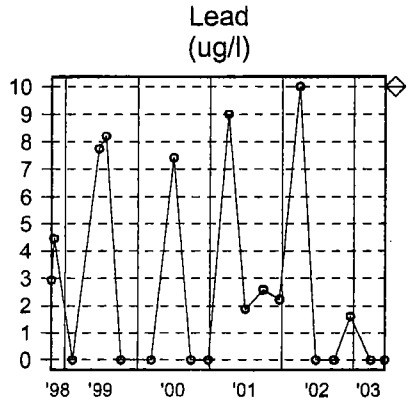
Source 10 of 24

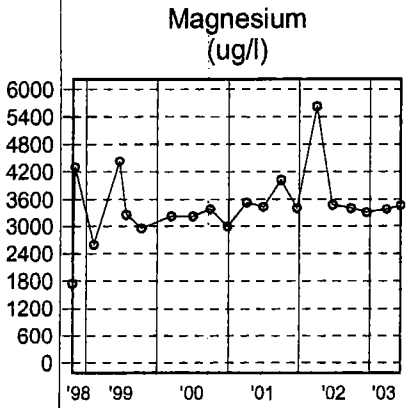
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

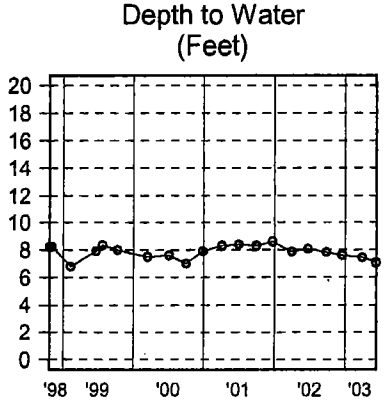












SOURCE: 00M2MW10

Sampling Dates:
10/19/1998 - 06/06/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 10 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Iron	Manganese	Lead	Magnesium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	1	300	50	10	NLE	-				-
09/29/2000	FMETL	78.23	186	17.8	ND	3900	8.71				V,S,P,M
12/29/2000	FMETL	82.83	308	26.2	ND	3770	7.00				V,S,P,M
12/29/2000D	FMETL	80.52	239	16.0	ND	3680	7.00				V,S,P,M
03/26/2001	FMETL	73.81	110	59.5	4.00	3710	8.58				V,S,P,M
06/26/2001	FMETL	ND	163	16.9	ND	3690	8.52				V,S,P,M
09/26/2001	FMETL	ND	319	8.43	23.2	3650	9.91				V,S,P,M
11/30/2001	FMETL	114.25	309	24.6	ND	4240	9.75				V,S,P,M
03/26/2002	FMETL	ND	116	2.01	ND	3850	9.45				V,S,P,M
06/20/2002	FMETL	ND	180	4.16	ND	3500	9.66				V,S,P,M
09/20/2002	FMETL	ND	136	12.5	1.53	3700	9.58				V,S,P,M
12/27/2002	FMETL	ND	65.6	ND	4.74	3620	8.62				V,S,P,M
03/26/2003	FMETL	ND	308	14.0	4.51	3770	8.77				V,S,P,M
06/09/2003	FMETL	116.55	219	20.7	ND	3930	8.37				V,S,P,M

SOURCE: 00M2MW11

Sampling Dates:
09/29/2000 - 06/09/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

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Bldg M-2

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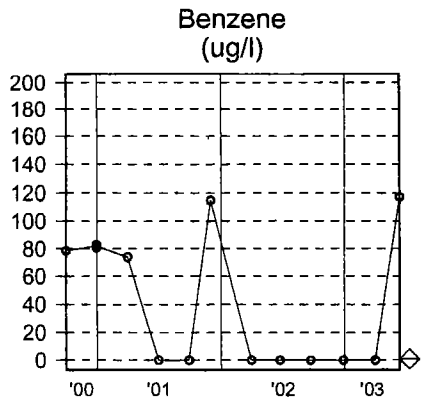

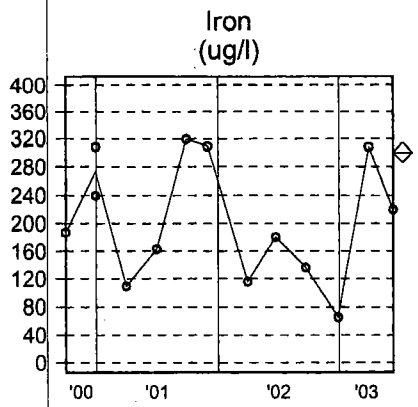

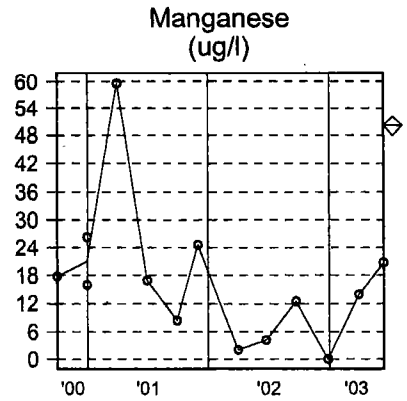

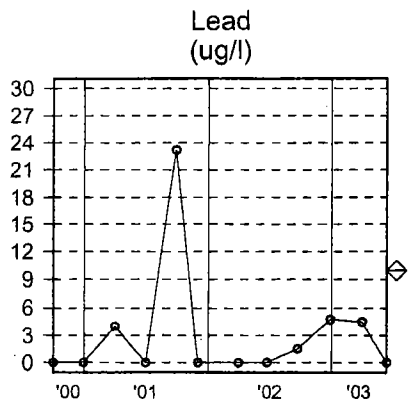

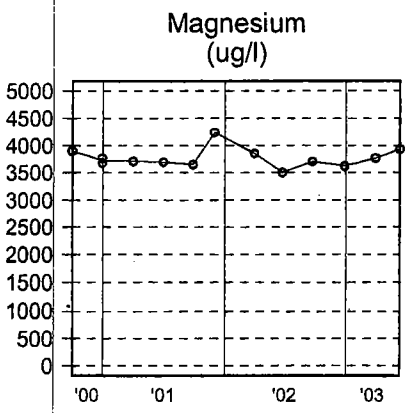

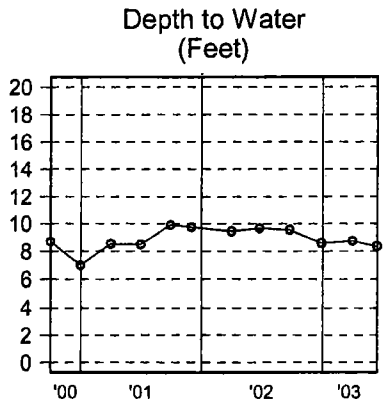

SOURCE: 00M2MW11

Sampling Dates:
09/29/2000 - 06/09/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	Iron	Manganese	Lead	Magnesium	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	300	50	10	NLE	-					-
09/29/2000	FMETL	238	23.5	56.3	4030	8.23					V,S,P,M
09/29/2000D	FMETL	245	22.5	ND	4100	8.23					V,S,P,M
12/29/2000	FMETL	279	21.0	ND	3660	7.80					V,S,P,M
03/26/2001	FMETL	410	171	11.0	3530	7.61					V,S,P,M
06/26/2001	FMETL	539	19.9	ND	3810	7.58					V,S,P,M
09/27/2001	FMETL	194	9.12	8.15	3800	9.77					V,S,P,M
11/30/2001	FMETL	327	26.9	ND	4330	9.79					V,S,P,M
03/26/2002	FMETL	254	11.5	ND	3880	9.22					V,S,P,M
06/20/2002	FMETL	255	24.0	ND	3710	9.44					V,S,P,M
09/20/2002	FMETL	199	11.5	ND	3780	9.36					V,S,P,M
12/27/2002	FMETL	218	3.66	ND	3800	8.37					V,S,P,M
03/26/2003	FMETL	676	20.1	2.00	3980	8.48					V,S,P,M
06/09/2003	FMETL	ND	19.6	ND	4000	8.48					V,S,P,M

SOURCE: 00M2MW12

Sampling Dates:
09/29/2000 - 06/09/2003

NOTES:

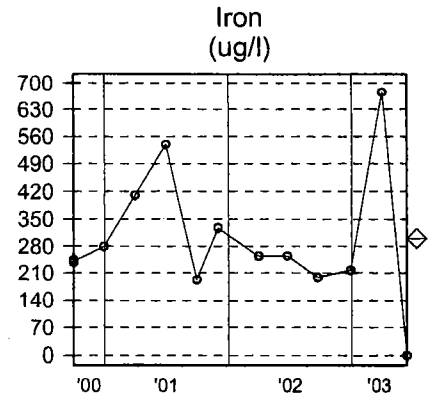
Silver in blank > GW Criteria for May 97.

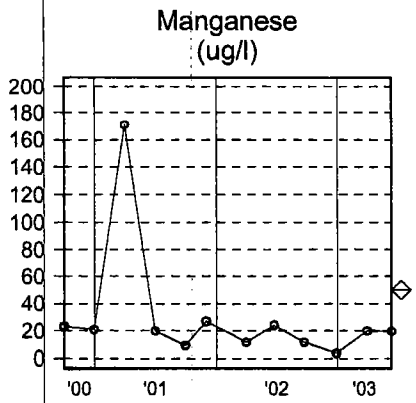
FORT MONMOUTH

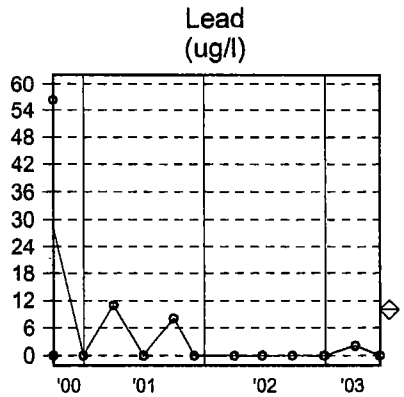
GW MONITORING
Bldg M-2

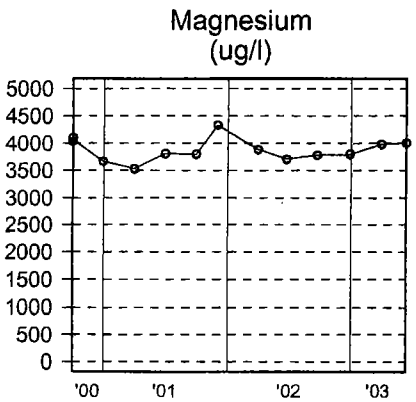
Source 12 of 24

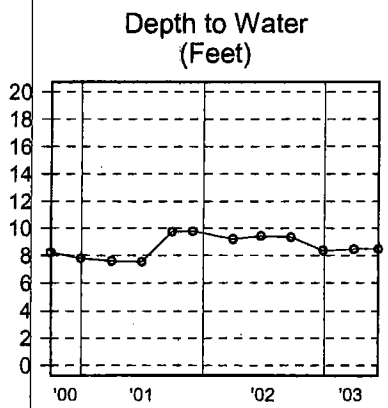
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 00M2MW12

Sampling Dates:
09/29/2000 - 06/09/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 12 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Iron	Manganese	Lead	Magnesium	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	300	50	10	NLE	-					-
09/27/2000	FMETL	11800	84.1	15.4	2280	9.89					V,S,P,M
12/20/2000	FMETL	14600	103	17.3	2530	9.92					V,S,P,M
03/29/2001	FMETL	71800	102	7.00	2190	9.72					V,S,P,M
06/27/2001	FMETL	59600	108	1.12	2040	9.81					V,S,P,M
09/27/2001	FMETL	17300	87.8	ND	3180	10.56					V,S,P,M
12/14/2001	FMETL	28000	123	21.0	4100	10.62					V,S,P,M
03/27/2002	FMETL	18400	144	ND	2710	9.86					V,S,P,M
06/20/2002	FMETL	23000	131	ND	3290	10.88					V,S,P,M
09/24/2002	FMETL	23600	189	2.28	4180	10.54					V,S,P,M
12/27/2002	FMETL	28100	111	1.71	2760	9.53					V,S,P,M
03/26/2003	FMETL	77100	134	1.74	2640	9.77					V,S,P,M
06/06/2003	FMETL	46800	109	ND	2400	9.46					V,S,P,M

SOURCE: 00M2MW13

Sampling Dates:
09/27/2000 - 06/06/2003

NOTES:

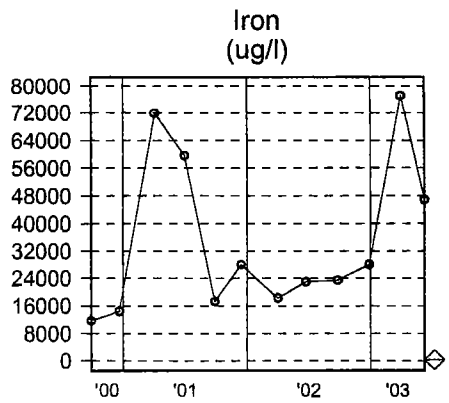
Silver in blank > GW Criteria for May 97.

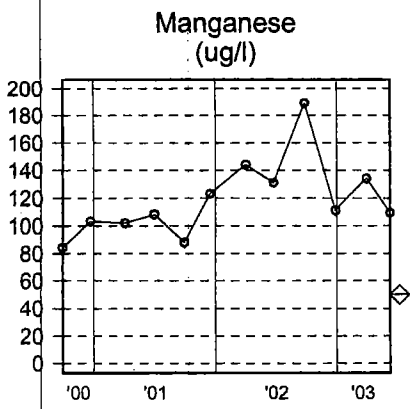
FORT MONMOUTH

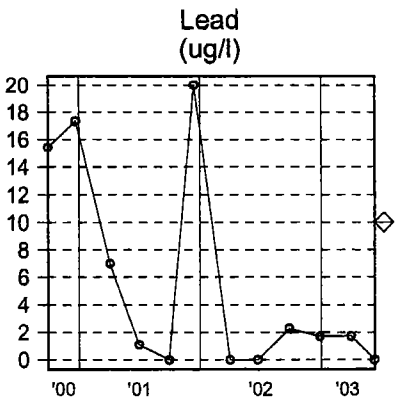
GW MONITORING
Bldg M-2

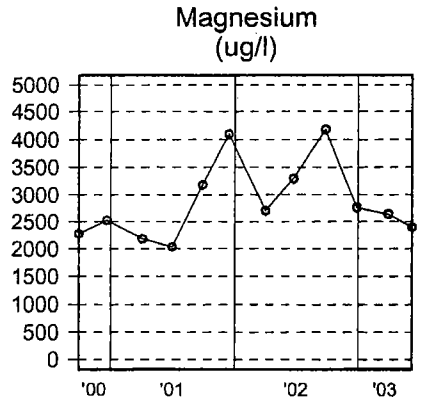
Source 13 of 24

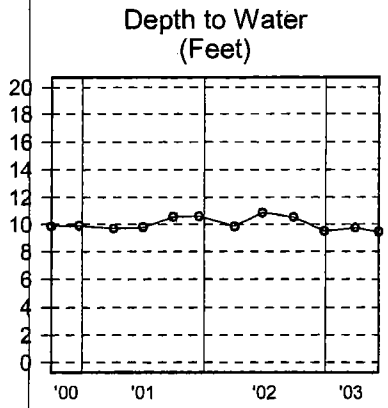
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 00M2MW13

Sampling Dates:
09/27/2000 - 06/06/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 13 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Magnesium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	300	50	10	NLE	-				-
09/26/2000	FMETL	61.9	31600	226	ND	4910	10.97				V,S,P,M
12/20/2000	FMETL	80.5	43600	280	ND	5130	11.03				V,S,P,M
03/29/2001	FMETL	ND	38300	287	5.00	5440	10.05				V,S,P,M
06/27/2001	FMETL	ND	31500	205	ND	4050	10.11				V,S,P,M
09/27/2001	FMETL	63.3	21100	165	ND	3570	11.86				V,S,P,M
12/14/2001	FMETL	137	39000	214	10.2	4610	12.31				V,S,P,M
03/27/2002	FMETL	74.4	34500	190	2.72	3540	11.16				V,S,P,M
06/20/2002	FMETL	141	32200	193	ND	4140	11.86				V,S,P,M
09/24/2002	FMETL	375	38800	262	2.27	5260	11.79				V,S,P,M
12/27/2002	FMETL	128	24100	246	1.76	5610	9.83				V,S,P,M
03/26/2003	FMETL	152	36900	247	2.31	5330	9.92				V,S,P,M
06/06/2003	FMETL	64.0	25000	208	ND	4370	9.59				V,S,P,M

SOURCE: 00M2MW14

Sampling Dates:
09/26/2000 - 06/06/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

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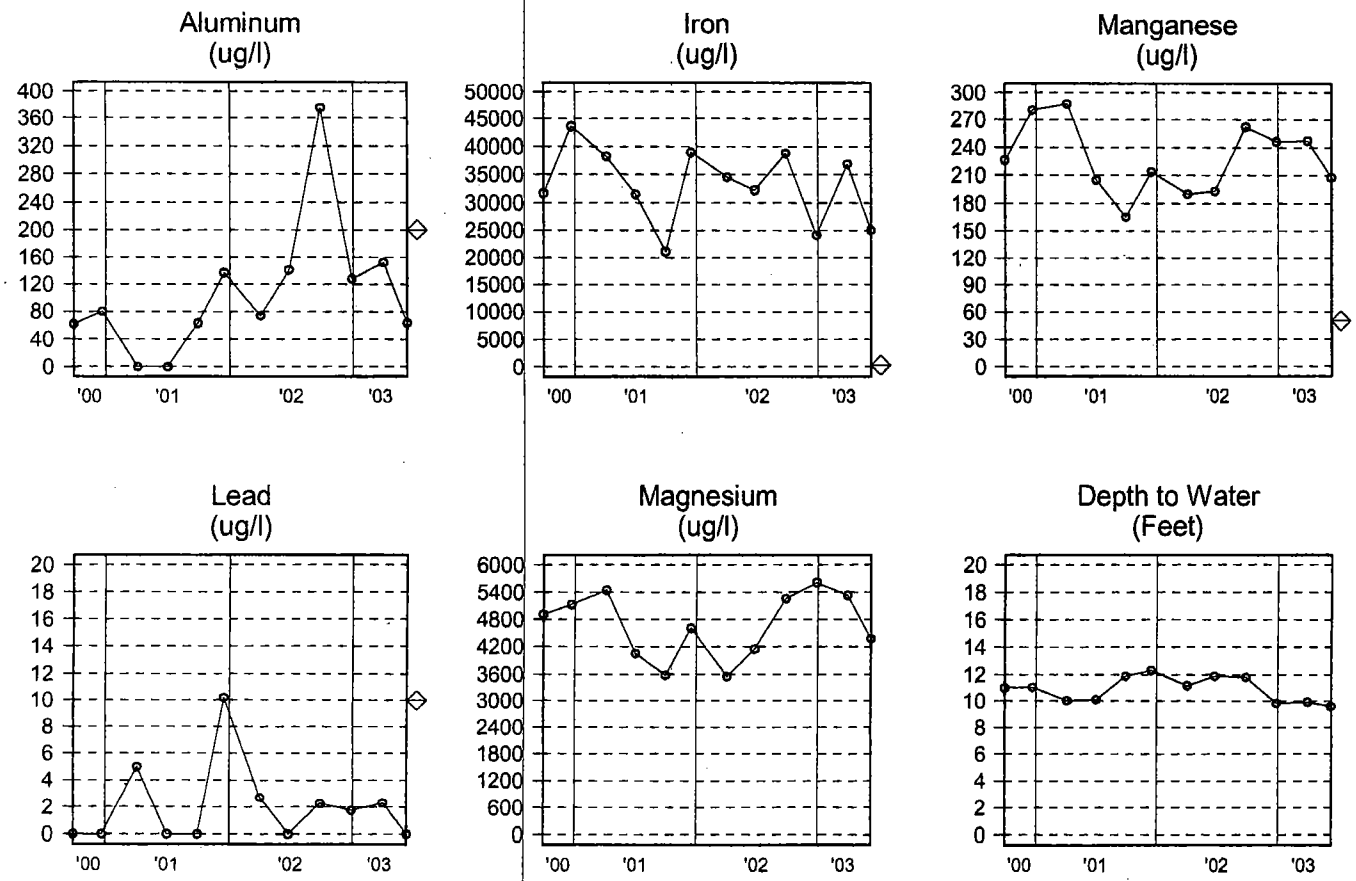
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 00M2MW14

Sampling Dates:
09/26/2000 - 06/06/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 14 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Magnesium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	300	50	10	NLE	-				-
09/26/2000	FMETL	17.1	3790	52.4	ND	3790	9.87				V,S,P,M
12/20/2000	FMETL	72.0	3780	96.4	6.57	5120	10.12				V,S,P,M
03/29/2001	FMETL	80.0	18900	197	6.00	5670	9.53				V,S,P,M
03/29/2001D	FMETL	50.0	17100	193	6.00	5530	9.53				V,S,P,M
06/27/2001	FMETL	89.1	10000	104	1.09	4740	9.61				V,S,P,M
09/27/2001	FMETL	202	2150	72.0	1.26	3780	10.55				V,S,P,M
12/20/2001	FMETL	217	10500	71.0	229	4210	10.96				V,S,P,M
03/27/2002	FMETL	625	2160	89.1	1.68	6460	10.23				V,S,P,M
06/19/2002	FMETL	930	4030	60.8	4.18	3950	10.11				V,S,P,M
09/24/2002	FMETL	263	2190	39.8	1.64	3650	10.58				V,S,P,M
12/30/2002	FMETL	133	13600	170	1.59	9950	9.31				V,S,P,M
03/25/2003	FMETL	98.7	278	48.7	ND	5100	9.54				V,S,P,M
06/06/2003	FMETL	258	5190	85.7	ND	5710	9.43				V,S,P,M

SOURCE: 00M2MW15

Sampling Dates:
09/26/2000 - 06/06/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

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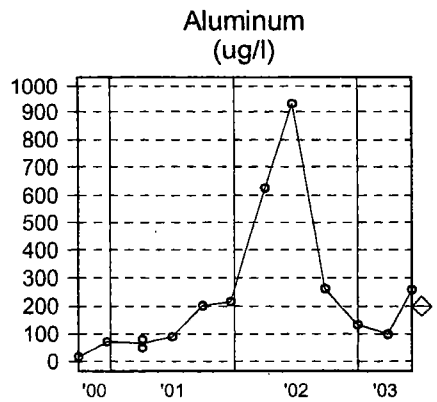
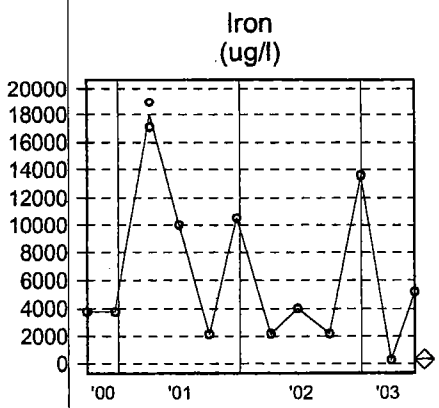
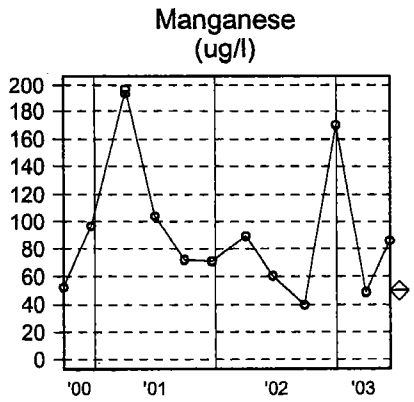
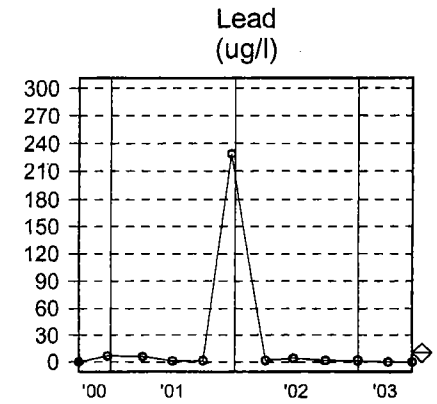
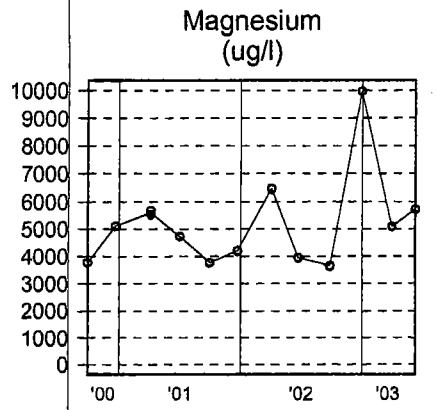
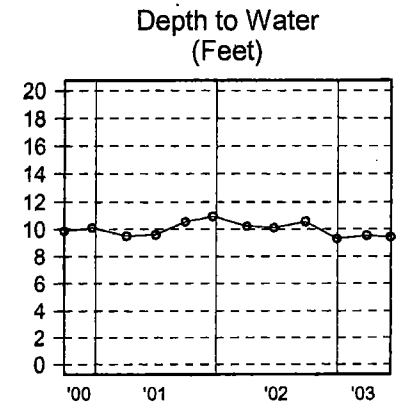












SOURCE: 00M2MW15

Sampling Dates:
09/26/2000 - 06/06/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 15 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Magnesium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	300	50	10	NLE	-				-
09/26/2000	FMETL	20.5	16300	242	ND	3010	7.84				V,S,P,M
09/26/2000D	FMETL	13.9	16000	238	2.37	2970	7.84				V,S,P,M
12/20/2000	FMETL	44.4	13200	231	ND	2950	8.51				V,S,P,M
03/28/2001	FMETL	200	15100	320	9.00	3660	7.71				V,S,P,M
06/27/2001	FMETL	ND	29300	242	23.2	3940	7.87				V,S,P,M
09/27/2001	FMETL	38.3	14600	184	1.26	3630	9.33				V,S,P,M
12/30/2001	FMETL	ND	27400	401	3.82	4660	10.10				V,S,P,M
03/26/2002	FMETL	311	42500	1220	7.02	9180	8.65				V,S,P,M
06/19/2002	FMETL	124	14200	441	1.28	3630	8.79				V,S,P,M
09/25/2002	FMETL	174	26800	800	5.21	5960	9.71				V,S,P,M
12/30/2002	FMETL	158	2520	376	5.26	4740	7.01				V,S,P,M
03/25/2003	FMETL	49.7	201	141	3.31	3220	6.65				V,S,P,M
06/06/2003	FMETL	625	15000	198	46.3	3060	6.41				V,S,P,M

SOURCE: 00M2MW16

Sampling Dates:
09/26/2000 - 06/06/2003

NOTES:

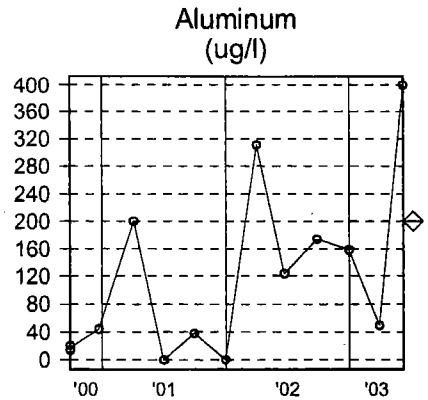
Silver in blank > GW Criteria for May 97.

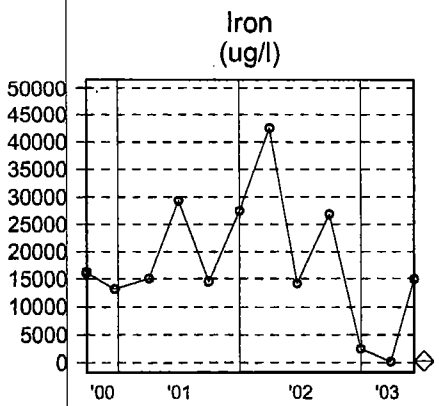
FORT MONMOUTH

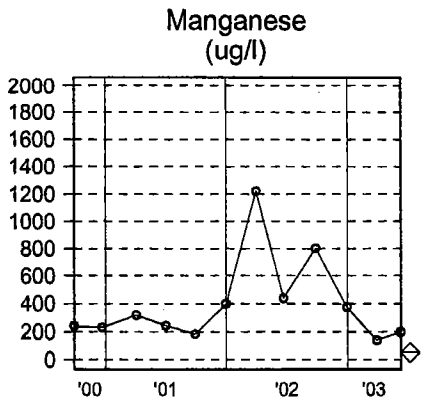
GW MONITORING
Bldg M-2

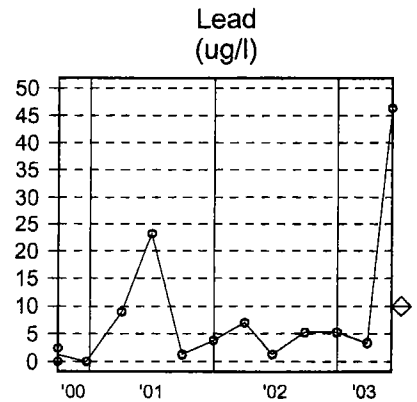
Source 16 of 24

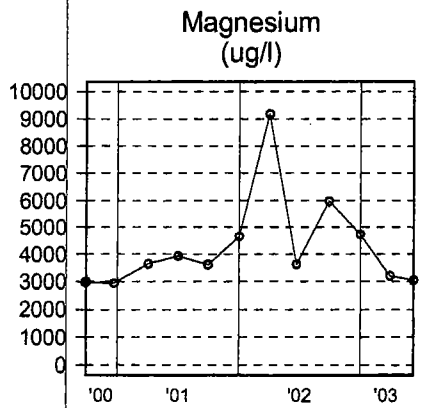
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

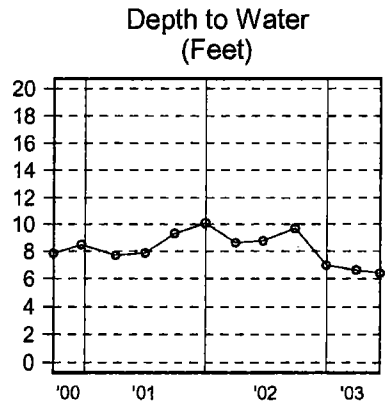












SOURCE: 00M2MW16

Sampling Dates:
09/26/2000 - 06/06/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 16 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Magnesium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	300	50	10	NLE	-				-
09/25/2000	FMETL	2820	3510	21.7	79.3	4710	10.01				V,S,P,M
12/26/2000	FMETL	332	541	18.8	ND	3900	10.95				V,S,P,M
03/28/2001	FMETL	500	950	37.4	ND	5120	9.23				V,S,P,M
06/27/2001	FMETL	ND	145	26.8	ND	4280	9.31				V,S,P,M
09/26/2001	FMETL	319	770	21.6	ND	4330	12.29				V,S,P,M
12/20/2001	FMETL	546	1500	25.0	2.26	5500	12.57				V,S,P,M
03/26/2002	FMETL	798	342	32.6	ND	4990	11.79				V,S,P,M
06/19/2002	FMETL	277	236	21.8	ND	4210	11.88				V,S,P,M
09/24/2002	FMETL	237	75600	542	8.55	7640	12.52				V,S,P,M
12/30/2002	FMETL	647	885	48.8	ND	4550	8.39				V,S,P,M
03/25/2003	FMETL	237	116	23.3	ND	1700	6.37				V,S,P,M
06/09/2003	FMETL	173	130	30.3	ND	1890	5.80				V,S,P,M

SOURCE: 00M2MW17

Sampling Dates:
09/25/2000 - 06/09/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

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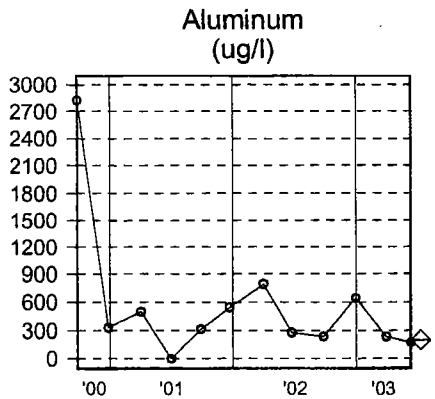
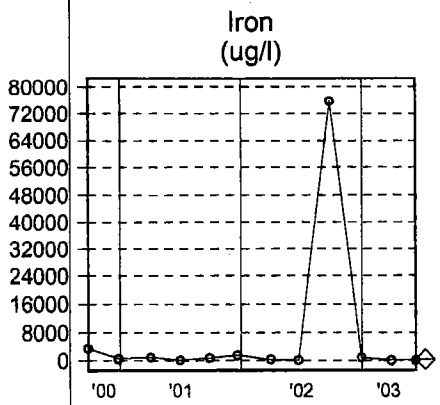
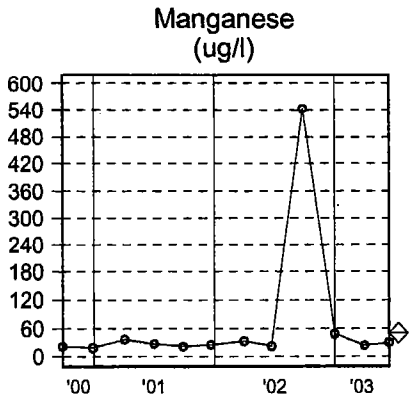
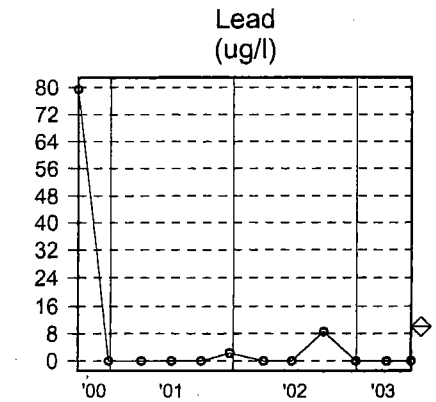
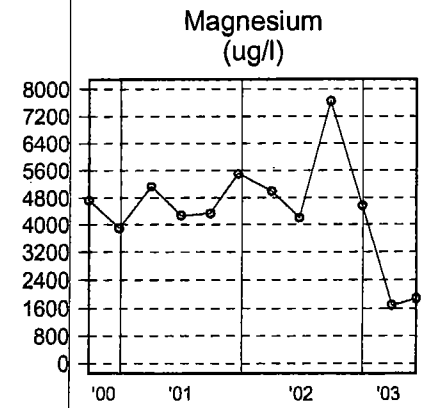
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

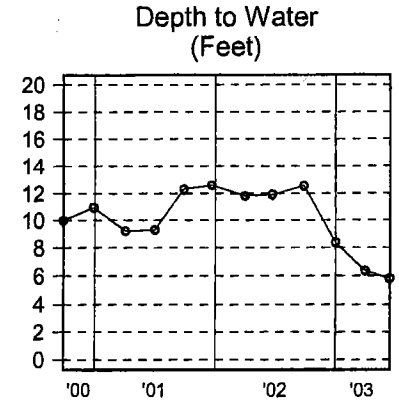












SOURCE: 00M2MW17

Sampling Dates:
09/25/2000 - 06/09/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 17 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	tert-Butyl alcohol	Iron	Manganese	Lead	Magnesium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	NLE	300	50	10	NLE	-				-
09/25/2000	FMETL	ND	18800	138	8.66	4110	5.21				V,S,P,M
12/26/2000	FMETL	ND	20900	83.2	ND	3650	6.59				V,S,P,M
03/28/2001	FMETL	ND	47900	102	5.00	3640	6.19				V,S,P,M
06/27/2001	FMETL	ND	35200	85.2	ND	4290	6.27				V,S,P,M
09/26/2001	FMETL	156.67	20000	78.3	ND	5060	6.85				V,S,P,M
12/20/2001	FMETL	187.48	23700	79.5	29.4	5360	6.84				V,S,P,M
03/26/2002	FMETL	ND	66900	89.5	3.08	4260	6.50				V,S,P,M
06/19/2002	FMETL	249.17	25000	76.8	1.78	4930	6.69				V,S,P,M
09/24/2002	FMETL	209.9	19200	75.7	ND	5170	6.93				V,S,P,M
12/30/2002	FMETL	ND	62300	88.0	1.35	4020	7.87				V,S,P,M
03/25/2003	FMETL	ND	6180	69.1	ND	3650	6.16				V,S,P,M
06/09/2003	FMETL	ND	31400	95.2	ND	4880	5.79				V,S,P,M

SOURCE: 00M2MW18

Sampling Dates:
09/25/2000 - 06/09/2003

NOTES:

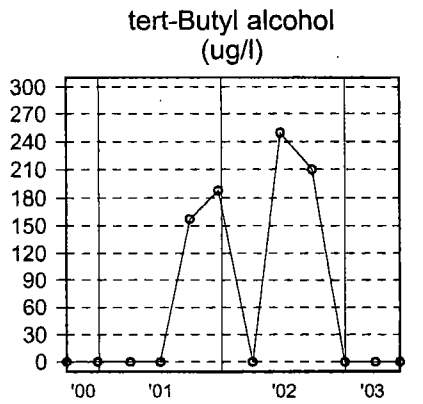
Silver in blank > GW Criteria for May 97.

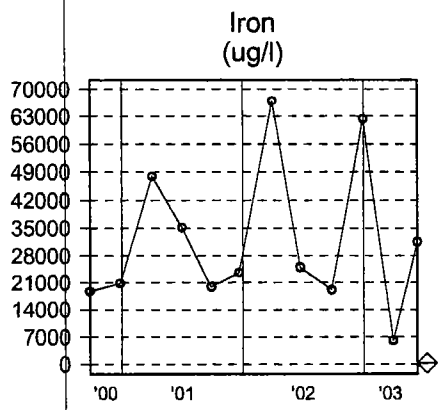
FORT MONMOUTH

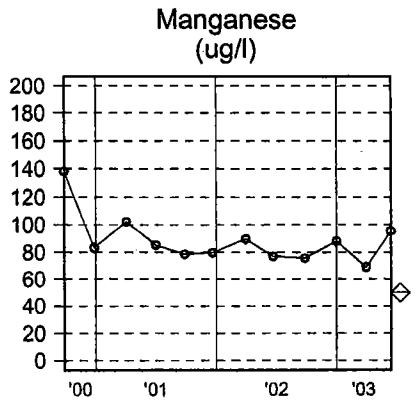
GW MONITORING
Bldg M-2

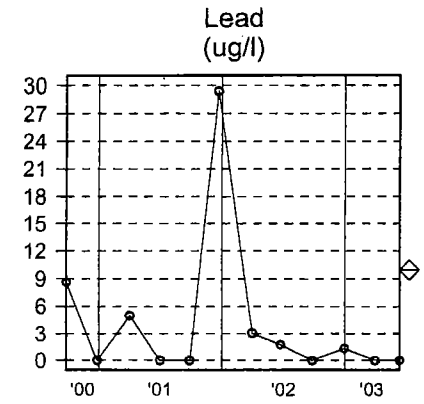
Source 18 of 24

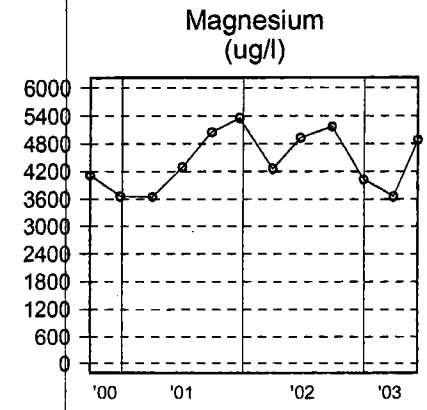
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

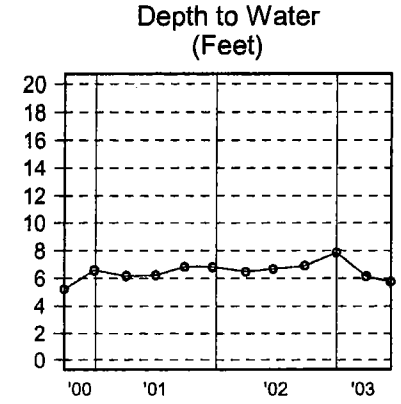












SOURCE: 00M2MW18

Sampling Dates:
09/25/2000 - 06/09/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 18 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	Iron	Manganese	Magnesium	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	300	50	NLE	-						-
09/29/2000	FMETL	484	54.5	3090	7.61						V,S,P,M
12/26/2000	FMETL	248	6.19	2910	8.99						V,S,P,M
03/26/2001	FMETL	500	62.3	2790	7.89						V,S,P,M
06/26/2001	FMETL	297	32.7	3260	8.65						V,S,P,M
09/27/2001	FMETL	408	35.8	3040	9.75						V,S,P,M
11/30/2001	FMETL	701	70.5	2990	9.91						V,S,PM
03/26/2002	FMETL	517	59.1	3170	9.30						V,S,P,M
06/19/2002	FMETL	1160	39.4	3310	9.35						V,S,P;M
09/20/2002	FMETL	315	37.4	3270	9.83						V,S,P,M
12/27/2002	FMETL	131	1.61	3160	7.81						V,S,P,M
03/25/2003	FMETL	92.6	7.30	3180	7.93						V,S,P,M
06/09/2003	FMETL	553	60.2	2800	7.23						V,S,P,M

SOURCE: 00M2MW19

Sampling Dates:
09/29/2000 - 06/09/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

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U.S.ARMY
FORT MONMOUTH
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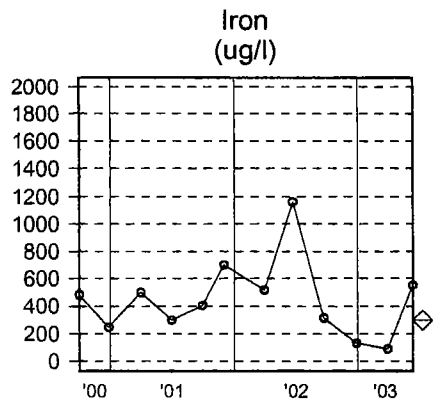

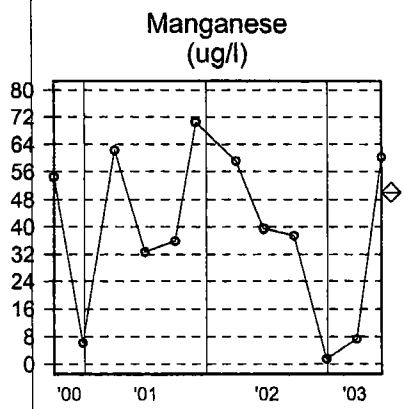

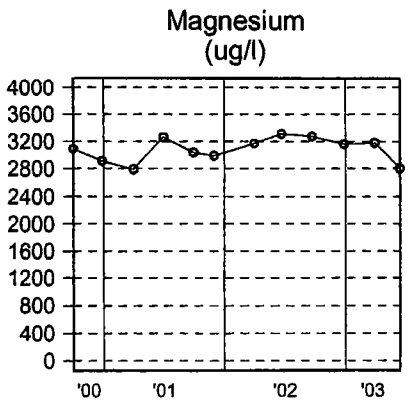

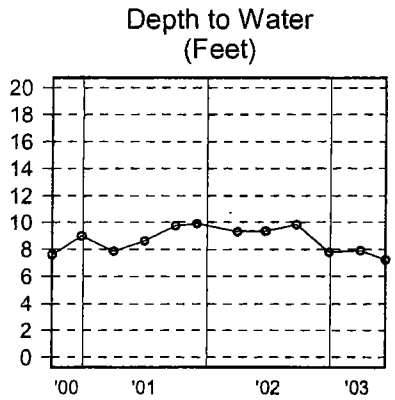

SOURCE: 00M2MW19

Sampling Dates:
09/29/2000 - 06/09/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 19 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	Iron	Manganese	Lead	Magnesium	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	300	50	10	NLE	-					-
09/29/2000	FMETL	1110	53.6	ND	3740	10.04					V,S,P,M
12/26/2000	FMETL	705	17.3	ND	3330	11.35					V,S,P,M
03/26/2001	FMETL	660	40.5	31.0	3160	10.53					V,S,P,M
03/26/2001D	FMETL	620	37.8	ND	3190	10.53					V,S,P,M
06/26/2001	FMETL	3370	60.9	ND	3790	10.62					V,S,P.M
09/26/2001	FMETL	898	31.7	ND	3990	11.70					V,S,P,M
11/30/2001	FMETL	614	41.1	ND	3370	11.83					V,S,P,M
03/26/2002	FMETL	693	28.4	ND	3730	11.22					V,S,P,M
06/19/2002	FMETL	1860	54.0	ND	3860	11.45					V,S,P,M
09/20/2002	FMETL	586	23.5	9.29	3680	11.71					V,S,P,M
12/27/2002	FMETL	357	11.8	ND	3720	10.42					V,S,P,M
03/26/2003	FMETL	272	18.0	ND	3380	10.63					V,S,P,M
06/09/2003	FMETL	518	40.6	ND	2960	10.10					V,S,P,M

SOURCE: 00M2MW20

Sampling Dates:
09/29/2000 - 06/09/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

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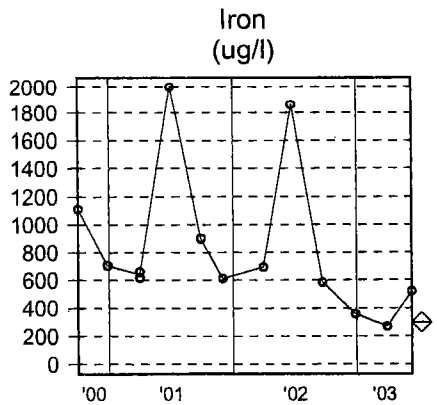
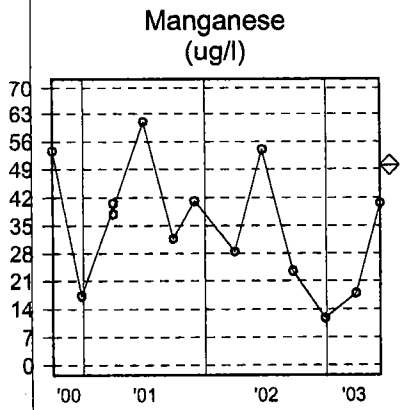
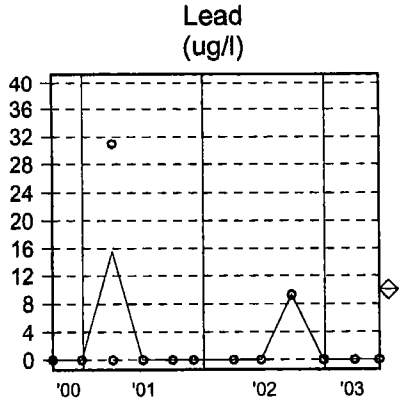
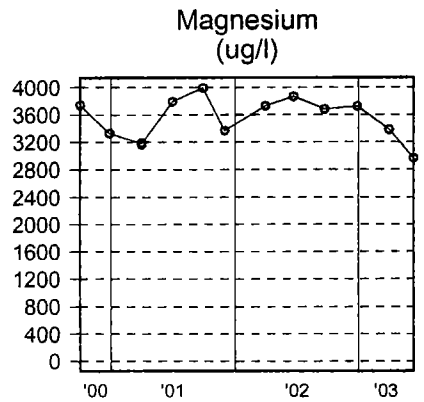
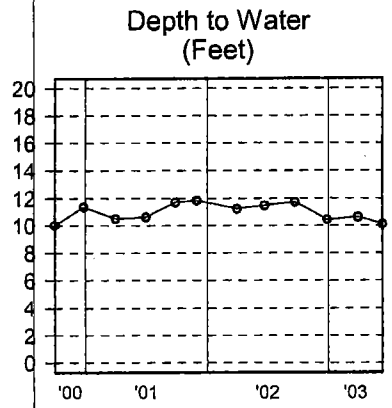
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 00M2MW20

Sampling Dates:
09/29/2000 - 06/09/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 20 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Magnesium	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	1	4	200	300	50	10	NLE	-		-
09/25/2000	FMETL	2.98	46.86	42.7	64700	644	2.28	7040	9.41		V,S,P,M
12/26/2000	FMETL	4.69	62.09	195	75400	664	10.7	7590	10.93		V,S,P,M
03/28/2001	FMETL	2.14	48.65	200	45300	466	10.0	6830	9.97		V,S,P,M
06/27/2001	FMETL	2.04	41.06	ND	50600	596	6.91	6430	10.01		V,S,P,M
09/26/2001	FMETL	3.11	42.08	140	63700	672	2.03	6830	11.46		V,S,P,M
12/20/2001	FMETL	2.12	30.10	ND	80000	792	6.75	7900	11.64		V,S,P,M
03/26/2002	FMETL	2.69	49.0	189	76200	562	6.76	6990	10.71		V,S,P,M
06/19/2002	FMETL	3.40	49.87	82.2	72700	532	5.49	6770	10.98		V,S,P,M
09/24/2002	FMETL	2.66	56.87	296	664	18.2	ND	4080	11.39		V,S,P,M
12/30/2002	FMETL	2.03	47.85	57.3	44700	437	2.95	6830	9.01		V,S,P,M
03/25/2003	FMETL	1.09	26.03	79.0	34000	415	1.54	5330	9.67		V,S,P,M
06/06/2003	FMETL	1.33	29.42	38.5	31500	392	0.932	5330	9.38		V,S,P,M

SOURCE: 00M2MW21

Sampling Dates:
09/25/2000 - 06/06/2003

NOTES:

Silver in blank > GW Criteria for May 97.

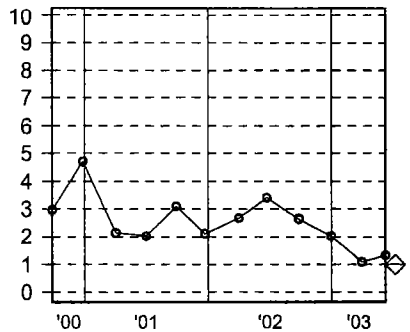
FORT MONMOUTH

GW MONITORING
Bldg M-2

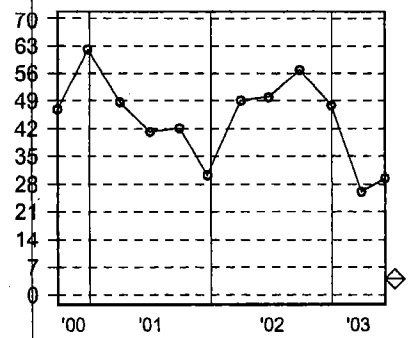
Source 21 of 24

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

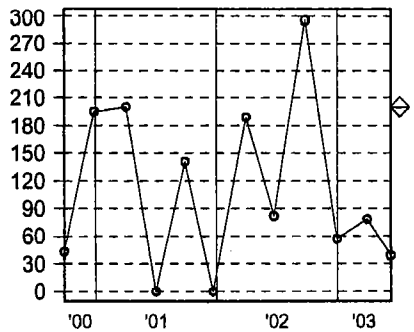
Benzene
(ug/l)



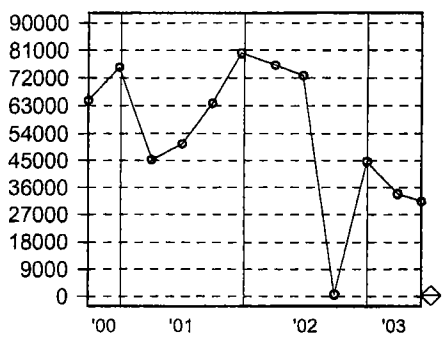
Chlorobenzene
(ug/l)



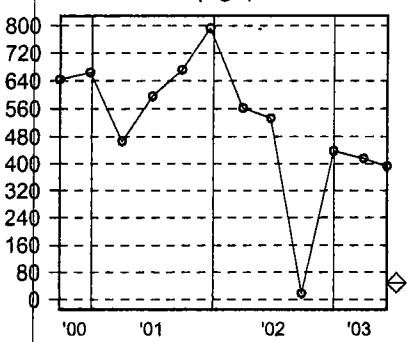
Aluminum
(ug/l)



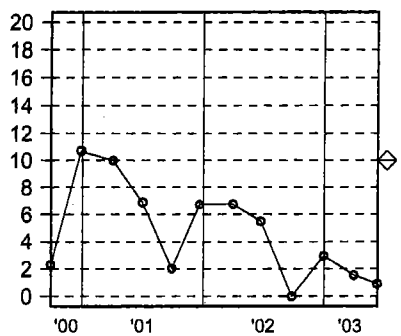
Iron
(ug/l)



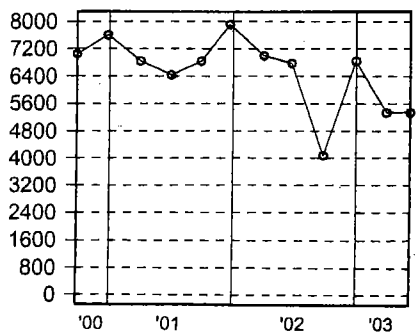
Manganese
(ug/l)



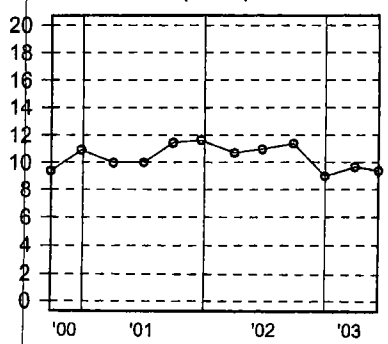
Lead
(ug/l)



Magnesium
(ug/l)



Depth to Water
(Feet)



SOURCE: 00M2MW21

Sampling Dates:
09/25/2000 - 06/06/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 21 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	tert-Butyl alcohol	Iron	Manganese	Lead	Magnesium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	NLE	300	50	10	NLE	-				-
09/25/2000	FMETL	389.61	33500	103	ND	5450	7.61				V,S,P,M
09/25/2000D	FMETL	412.47	32900	106	1.16	5560	7.61				V,S,P,M
12/26/2000	FMETL	779.33	36800	193	ND	5560	8.41				V,S,P,M
03/28/2001	FMETL	404.19	46300	102	5.00	5330	7.88				V,S,P,M
06/26/2001	FMETL	437.62	42400	130	1.71	6150	7.82				V,S,P,M
09/26/2001	FMETL	804.15	46200	165	ND	6340	8.66				V,S,P,M
12/20/2001	FMETL	784.06	44700	180	1.18	6720	8.60				V,S,P,M
03/26/2002	FMETL	597.69	44800	103	1.50	5760	8.14				V,S,P,M
06/19/2002	FMETL	496.34	40700	104	ND	5890	8.44				V,S,P,M
09/24/2002	FMETL	236.7	34900	115	1.33	5960	8.68				V,S,P,M
12/30/2002	FMETL	355.30	47300	96.8	1.93	5670	7.83				V,S,P,M
03/25/2003	FMETL	188.07	17200	82.5	ND	5500	7.95				V,S,P,M
06/09/2003	FMETL	315.47	47600	104	1.32	6200	7.46				V,S,P,M

SOURCE: 00M2MW22

Sampling Dates:
09/25/2000 - 06/09/2003

NOTES:

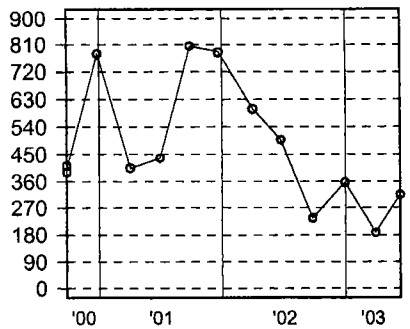
Silver in blank > GW Criteria for May 97.

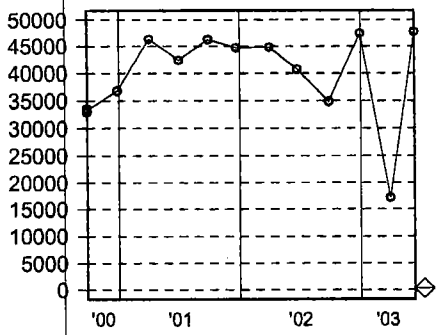
FORT MONMOUTH

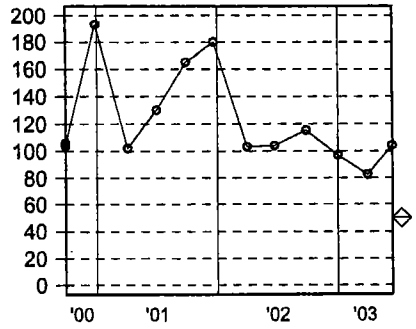
GW MONITORING
Bldg M-2

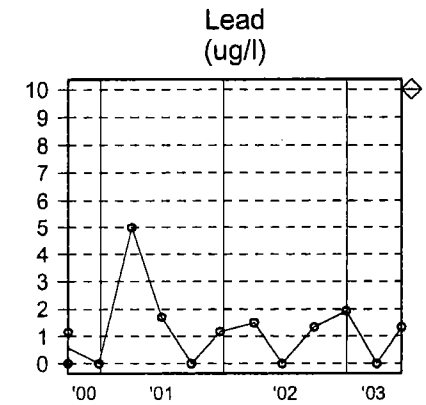
Source 22 of 24

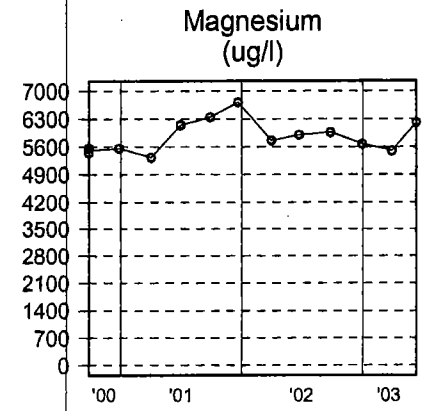
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

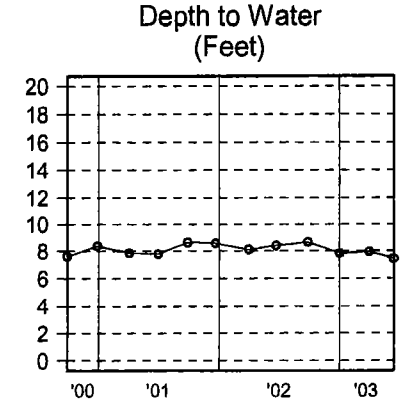












SOURCE: 00M2MW22

Sampling Dates:
09/25/2000 - 06/09/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 22 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Magnesium	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	1	4	200	300	50	10	NLE	-		-
09/27/2000	FMETL	ND	3.39	ND	5890	47.0	ND	4780	9.21		V,S,P,M
12/20/2000	FMETL	3.49	28.42	ND	39300	174	ND	6500	10.95		V,S,P,M
03/29/2001	FMETL	7.56	57.06	ND	110000	438	16.0	10900	10.16		V,S,P,M
06/26/2001	FMETL	5.70	38.93	ND	81700	378	3.96	9020	10.11		V,S,P,M
09/26/2001	FMETL	2.80	22.26	2600	36300	192	13.4	7270	11.23		V,S,P,M
09/26/2001D	FMETL	2.78	22.81	1560	36900	192	4.74	6860	11.23		V,S,P,M
12/20/2001	FMETL	5.27	43.84	ND	47300	192	3.16	192	11.76		V,S,P,M
03/27/2002	FMETL	5.20	46.5	ND	64500	255	1.73	19100	10.62		V,S,P,M
06/20/2002	FMETL	2.85	21.59	193	40400	164	1.58	23500	11.11		V,S,P,M
09/25/2002	FMETL	6.38	68.93	ND	70800	302	3.64	33600	11.32		V,S,P,M
12/27/2002	FMETL	2.22	22.03	ND	9440	104	ND	30300	9.93		V,S,P,M
03/26/2003	FMETL	ND	7.19	236	40500	87.6	2.86	18400	9.98		V,S,P,M
06/06/2003	FMETL	3.57	30.55	ND	42400	203	ND	23900	9.71		V,S,P,M

SOURCE: 00M2MW23

Sampling Dates:
09/27/2000 - 06/06/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

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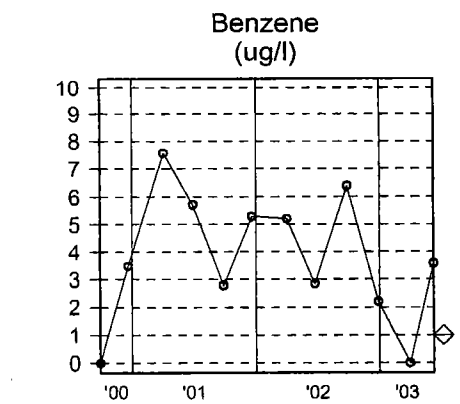
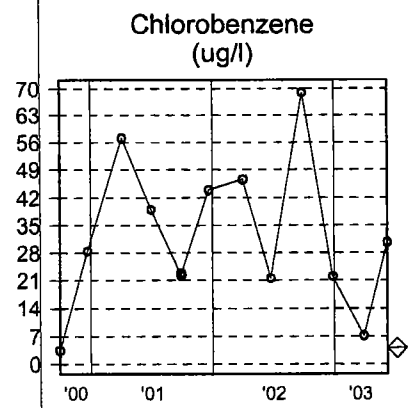
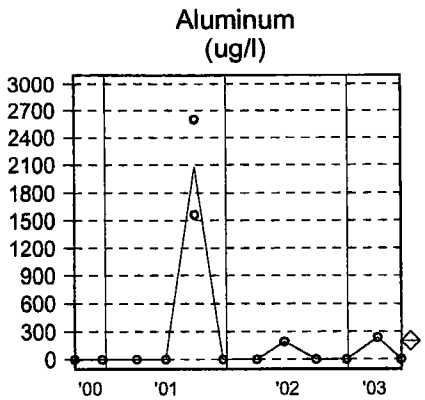
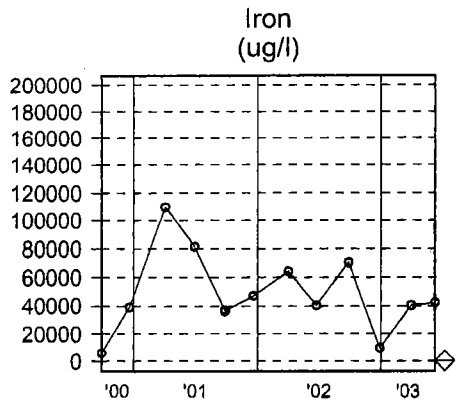
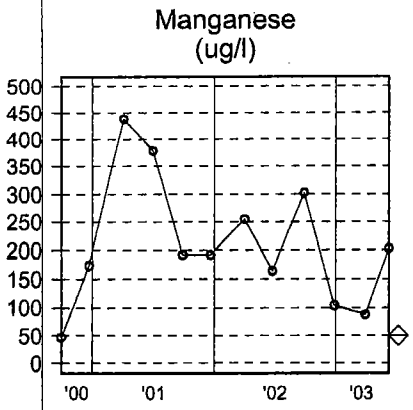
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

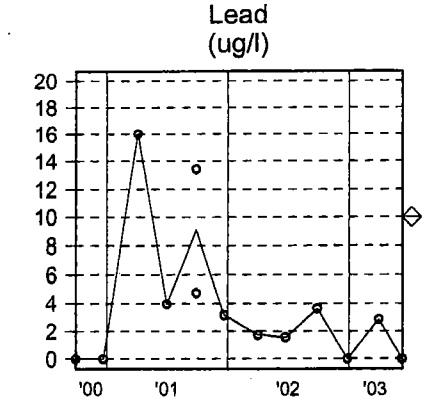


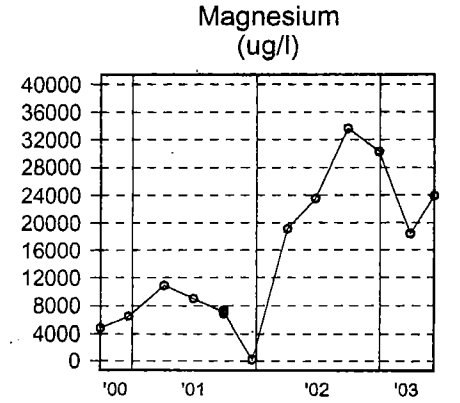


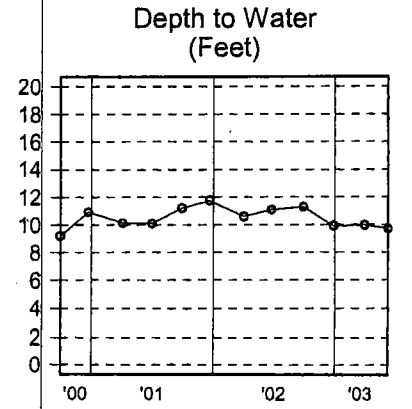












SOURCE: 00M2MW23

Sampling Dates:
09/27/2000 - 06/06/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 23 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Iron	Manganese	Lead	Magnesium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	1	4	300	50	10	NLE	-			-
09/26/2000	FMETL	3.28	9.92	63500	663	ND	5570	5.55			V,S,P,M
12/20/2000	FMETL	3.86	10.65	72400	684	6.15	5660	9.26			V,S,P,M
03/28/2001	FMETL	2.85	8.30	60200	710	61.0	4790	8.30			V,S,P,M
06/26/2001	FMETL	1.54	5.68	51500	654	2.28	4450	8.98			V,S,P,M
06/26/2001D	FMETL	1.41	5.16	52700	657	1.32	4470	8.98			V,S,P,M
09/27/2001	FMETL	1.93	6.38	62000	723	3.50	4870	10.15			V,S,P,M
12/20/2001	FMETL	2.14	6.76	85600	819	4.37	6010	10.44			V,S,P,M
03/26/2002	FMETL	3.79	11.37	85200	753	3.46	5880	9.59			V,S,P,M
06/19/2002	FMETL	3.56	11.95	78700	755	2.96	5920	10.05			V,S,P,M
09/25/2002	FMETL	2.65	8.49	75500	820	2.48	5930	10.08			V,S,P,M
12/30/2002	FMETL	2.22	8.66	65100	823	3.12	6190	8.30			V,S,P,M
03/26/2003	FMETL	1.72	5.05	45700	660	0.974	4930	8.33			V,S,P,M
06/06/2003	FMETL	2.27	7.37	58300	685	ND	4870	8.05			V,S,P,M

SOURCE: 00M2MW24

Sampling Dates:
09/26/2000 - 06/06/2003

NOTES:

Silver in blank > GW Criteria for May 97.

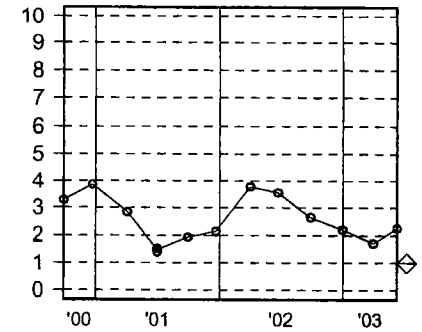
FORT MONMOUTH

GW MONITORING
Bldg M-2

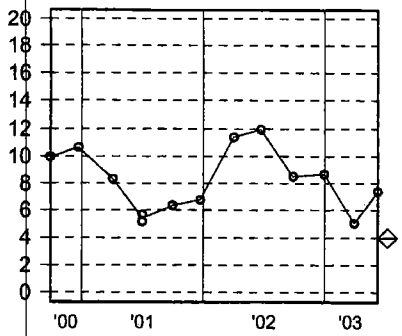
Source 24 of 24

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

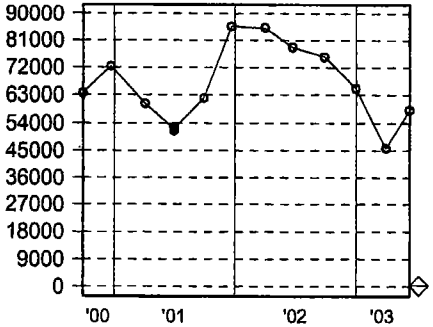
Benzene
(ug/l)



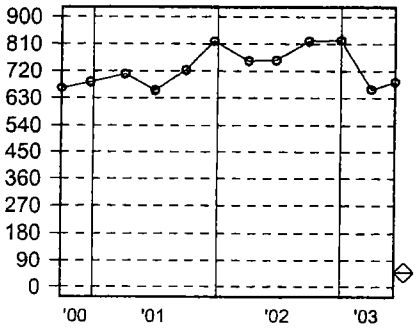
Chlorobenzene
(ug/l)



Iron
(ug/l)



Manganese
(ug/l)



Lead
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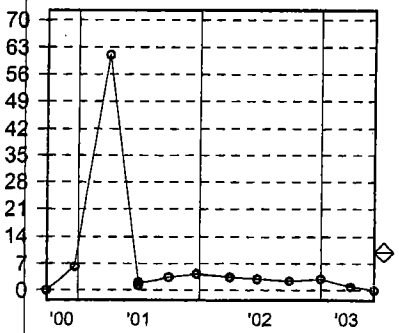
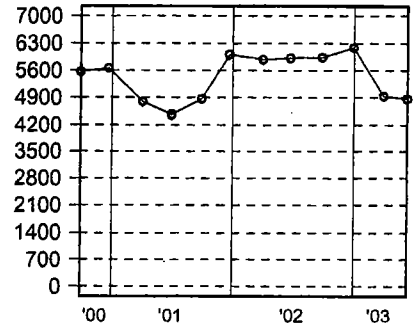
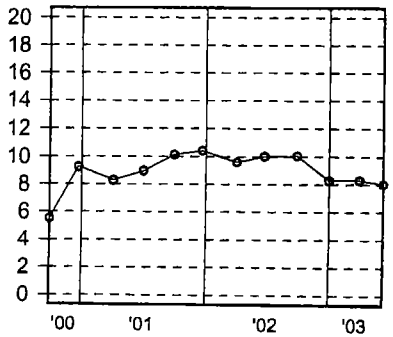


Magnesium
(ug/l)



Depth to Water
(Feet)



SOURCE: 00M2MW24

Sampling Dates:
09/26/2000 - 06/06/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 24 of 24, Graph

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FORT MONMOUTH
SELFM-PW-EV

07-22-2003 X:\MtechData\M-2\M2.WSF

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 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-2

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
3058504	00M2MW01	29-32584	09/15/03
3058207	00M2MW02	29-32585	09/10/03
3058408	00M2MW03	29-32586	09/11/03
3058211	00M2MW04	29-37988	09/10/03
3058208	00M2MW05	29-39185	09/10/03
3057702	00M2MW06	29-39184	09/08/03
3058209	00M2MW07	29-39183	09/10/03
3058210	00M2MW08	29-39182	09/10/03
3057701	00M2MW09	29-39181	09/09/03
3058409	00M2MW10	29-39180	09/11/03
3058505	00M2MW11	29-42769	09/15/03
3058506	00M2MW12	29-42770	09/15/03
3058406	00M2MW13	29-42771	09/11/03
3058405	00M2MW14	29-42562	09/11/03
3058404	00M2MW15	29-42773	09/11/03
3058104	00M2MW16	29-42774	09/09/03
3058204	00M2MW17	29-42775	09/10/03
3058205	00M2MW18	29-42776	09/10/03
3058507	00M2MW19	29-42777	09/15/03
3058508	00M2MW20	29-42778	09/15/03
3058106	00M2MW21	29-42779	09/09/03
3058206	00M2MW22	29-42780	09/10/03
3058407	00M2MW23	29-42781	09/11/03
3058105	00M2MW24	29-42772	09/09/03

NJDEP Laboratory Certification #13461

10-7-03

Daniel Wright/~~Date~~
Laboratory Director

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST	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
TARGET COMPOUND LIST	Federal Register 40 CFR Part 136 Appendix A
Base/Neutrals and Acid Extractables by GC/MS	625
Purgeable Organcis by GC/MS	624
Pesticides and PCB's by GC	608

Fort Monmouth Environmental Testing Laboratory

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NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: 426223
( )DERA ( )OMA ( )Other:_____

Project No: I
Location: M2 Wells
3rd Qtr '03 Lo Flo

Samplers Name / Company: Corey McCormack, TUS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VO +15	TAL MHs	Pest/PCB	BNA +25			DTW ft	Hw Head	Remarks / Preservation Method
30577 01	M2 mw09	9/8/03	1149	AQ	5	✓	✓	✓	✓			7.67'	0.0	29 - 39181
02	M2 mw07		1300		5	✓	✓	✓	✓			6.31'	0.0	29 - 39184

Analysis Parameters

Comments: HCL / HNO3 / 4°C

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	9/8/03 1530	[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, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____Hrs.

Remarks: Shows T/FB/D ~~ from M8 same date, cpm
Tidal

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NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: X216223
( )DERA ( )OMA ( )Other:_____

Project No: II
Location: M2 wells
3rd Qtr '03

Samplers Name / Company: Corey McCormack, TVS

Comments: HCL/HNO_3/24°C

LIMS/Work Order #		Sample Location	Date	Time	Sample Type	# bottles	VO+15	TAL Mtls	Pest/PCB	BNA+25				Hex Read	Remarks / Preservation Method
30581	01	Trip	9/9/03	0925	AQ	2	✓							—	
	02	Field Blank		0940		5	✓	✓	✓	✓				—	
	03	Dupe		—		5	✓	✓	✓	✓				—	
	04	M2MW 16 *		~~1148~~ 1356		5	✓	✓	✓	✓				0.0	
	05	M2MW 24		1148		5	✓	✓	✓	✓				8.0	
	06	M2MW 21		~~1545~~		5	✓	✓	✓	✓				2.1	
	~~07~~	~~M2MW~~ EPM													

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	9/9/03 1555	J. Wellman			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Tide: H→L

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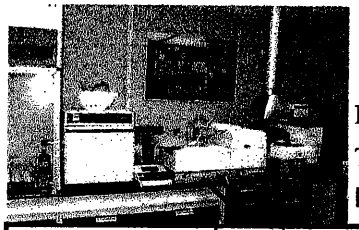

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NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: X216223
( )DERA ( )OMA ( )Other:

Project No: III
Location: M2 wells 3rdQrtr '03

Samplers Name / Company: Corey McCormack, TVS

LIMS/Work Order #		Sample Location	Date	Time	Sample Type	# bottles	VO+15	TAL MHIs	Pest/PCB	BNA+25				Hnu Read	Remarks / Preservation Method
30582	01	Trip	9/10/03	0741	AQ	2	✓							—	
	02	Field Blank		0830		5	✓	✓	✓	✓				—	
	03	Dupe		—		5	✓	✓	✓	✓				—	
	04	M2 mw17		1030		5	✓	✓	✓	✓				0.0	29-42775
	05	M2 mw18		1101			✓	✓	✓	✓				0.0	29-42776
	06	M2 mw22		1151			✓	✓	✓	✓				0.0	29-42780
	07	M2 mw02		1245			✓	✓	✓	✓				0.0	29-32585
	08	M2 mw05 *		1106			✓	✓	✓	✓				0.0	29-39185
	09	M2 mw07		1333			✓	✓	✓	✓				0.0	29-39183
	10	M2 mw08		1351			✓	✓	✓	✓				0.0	29-~~3997~~ 39182
	11	M2 mw04		1539			✓	✓	✓	✓				0.0	29-37988

Comments: HCL/HNO3/4°C

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	9/10/03 1600	J. Velgus			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Tide: L-7H-L

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NJDEP Certification #13461

Chain of Custody Record

Customer: J. FALLON
Phone #: 426223
( )DERA ( )OMA ( )Other:

Project No: IV
Location: M2 Wells
3rd Qtr '03

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters: VO+15, TAL Mtls, Pest/PCB, BNA+25, Hnu Read

Comments: HCL/HNO3/4°C

LIMS/Work Order #		Sample Location	Date	Time	Sample Type	# bottles	VO+15	TAL Mtls	Pest/PCB	BNA+25				Hnu Read	Remarks / Preservation Method
30584	01	Trip	9/11/03	0739	AQ	2	✓							—	
	02	Field Blank		0815		5	✓	✓	✓	✓				—	
	03	Dupe		—		5	✓	✓	✓	✓				—	
	04	M2 mw15		1006		5	✓	✓	✓	✓				0.0	29-42773
	05	M2 mw14 *		1026			✓	✓	✓	✓				0.0	29-42562
	06	M2 mw13		1256			✓	✓	✓	✓				0.0	29-42771
	07	M2 mw23		1016			✓	✓	✓	✓				0.0	29-42781
	08	M2 mw03		1240			✓	✓	✓	✓				0.0	29-32586
	09	M2 mw10		1201			✓	✓	✓	✓				0.0	29-39180

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	9/11/03 1530	[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, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks: Tide: H→L

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NJDEP Certification #13461

Chain of Custody Record

Customer: J. FALLON
Phone #: X2 10223
( )DERA ( )OMA ( )Other:_____

Project No: V
Location: M2 wells
3rd Qtr '03

Samplers Name / Company: Corey McCormack, TVS

Comments: HCL/HNO3/4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOHs	TAL Mtls	Pest/PCB	BNA+25				Hnu Read	Remarks / Preservation Method
30585 01	Trip	9/15/03	0750	AQ	2	✓							—	
02	Field Blank		0815		5	✓	✓	✓	✓				—	
03	Dupe		—		5	✓	✓	✓	✓				—	
04	M2 MW01 *		1523		5	✓	✓	✓	✓				0.0	29-32584
05	M2 MW11		1141			✓	✓	✓	✓				0.0	29-42769
06	M2 MW12		1337			✓	✓	✓	✓				0.0	29-42770
07	M2 MW19		0915			✓	✓	✓	✓				0.0	29-42777
08	M2 MW20		1021			✓	✓	✓	✓				0.0	29-42778

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	9/15/03 1531	J. Allegrucci			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Tide: H→L

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COC.XLS8/1/2003

LTM Depth to Water

Location: M2
Date: 09/08/03

Well	NJDEP Well ID	Depth of Well Feet	Well Diameter Inch	Depth to Water Feet
00M2MW01	29-32584	24.22	4	7.47
00M2MW02	29-32585	19.24	4	10.38
00M2MW03	29-32586	16.92	4	8.11
00M2MW04	29-37988	21.05	4	7.97
00M2MW05	29-39185	13.85	2	6.54
00M2MW06	2939184	18.5	2	6.31
00M2MW07	29-39183	16.71	2	7.31
00M2MW08	29-39182	20.88	2	7.13
00M2MW09	29-39181	21.5	2	7.67
00M2MW10	29-39180	22.31	2	7.56
00M2MW11	29-42769	51.95	2	9.38
00M2MW12	29-42770	51.98	4	9.27
00M2MW13	29-42771	22.25	4	10.2
00M2MW14	29-42562	23.05	4	11.05
00M2MW15	29-42773	22.13	4	10.13
00M2MW16	29-42774	22.08	4	8.24
00M2MW17	29-42775	23.14	4	11
00M2MW18	29-42776	22.25	4	6.66
00M2MW19	29-42777	52.91	4	9.01
00M2MW20	29-42778	53.3	4	11.43
00M2MW21	29-42779	22.31	4	10.75
00M2MW22	29-42780	22.47	4	7.84
00M2MW23	29-42781	22.92	4	10.97
00M2MW24	29-42772	22.04	4	9.26

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW01
NJDEP ID #: 29-32584
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/15/03
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: 24.22 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 16.74 ft
(16.74) X .65 X 3 =32.64
GALLONS OF H_2O TO BE PURGED: 33 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:00
pH 6.98 su — TEMP 12.97 °C
DISSOLVED O_2 3.41 mg/L — SPECIFIC CONDUCTIVITY 127.6 ms/cm

PURGE END TIME: 15:23
pH 6.91 su — TEMP 12.88 °C
DISSOLVED O_2 2.17 mg/L — SPECIFIC CONDUCTIVITY 183.5 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.76 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 33 gal

SAMPLE START TIME: 15:25
pH 6.90 su — TEMP 12.89 °C
DISSOLVED O_2 2.07 mg/L — SPECIFIC CONDUCTIVITY 184.7 ms/cm

SAMPLE END TIME: 15:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW02
NJDEP ID #: 29-32585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/10/03
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: 10.38 ft
DEPTH OF WELL: 19.24 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.86 ft
(8.86) X .65 X 3 =17.27
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:30
pH 6.83 su — TEMP 12.21 °C
DISSOLVED O_2 3.76 mg/L — SPECIFIC CONDUCTIVITY 273.4 ms/cm

PURGE END TIME: 12:44
pH 6.85 su — TEMP 11.97 °C
DISSOLVED O_2 2.14 mg/L — SPECIFIC CONDUCTIVITY 317.6 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.97 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 12:45
pH 6.86 su — TEMP 11.98 °C
DISSOLVED O_2 2.11 mg/L — SPECIFIC CONDUCTIVITY 317.6 ms/cm

SAMPLE END TIME: 12:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW03
NJDEP ID #: 29-32586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/11/03
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: 8.13 ft
DEPTH OF WELL: 16.92 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.79 ft
(8.79) X .65 X 3 =17.14
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:25
pH 6.93 su — TEMP 12.98 °C
DISSOLVED O_2 3.42 mg/L — SPECIFIC CONDUCTIVITY 611.1 ms/cm

PURGE END TIME: 12:39
pH 6.89 su — TEMP 12.81 °C
DISSOLVED O_2 2.14 mg/L — SPECIFIC CONDUCTIVITY 631.7 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.11 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 12:40
pH 6.90 su — TEMP 12.80 °C
DISSOLVED O_2 2.16 mg/L — SPECIFIC CONDUCTIVITY 631.7 ms/cm

SAMPLE END TIME: 12:45

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW04
NJDEP ID #: 29-37988
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/10/03
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: 7.98 ft
DEPTH OF WELL: 21.05 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.07 ft
(13.07) X .65 X 3 =25.48
GALLONS OF H_2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:50
pH 6.83 su — TEMP 11.99 °C
DISSOLVED O_2 3.47 mg/L — SPECIFIC CONDUCTIVITY 163.7 ms/cm

PURGE END TIME: 15:38
pH 6.87 su — TEMP 11.87 °C
DISSOLVED O_2 2.09 mg/L — SPECIFIC CONDUCTIVITY 191.7 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.70 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 15:31
pH 6.86 su — TEMP 11.86 °C
DISSOLVED O_2 2.08 mg/L — SPECIFIC CONDUCTIVITY 191.8 ms/cm

SAMPLE END TIME: 15:45

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW05
NJDEP ID #: 29-39185
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/10/03
WEATHER: Sunny and warm.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 6.55 ft
DEPTH OF WELL: 13.85 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.30 ft
(7.30) X .163 X 3 =3.56
GALLONS OF H_2O TO BE PURGED: 4 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:48
pH 6.80 su — TEMP 12.23 °C
DISSOLVED O_2 3.27 mg/L — SPECIFIC CONDUCTIVITY 281.3 ms/cm

PURGE END TIME: 11:05
pH 6.75 su — TEMP 12.07 °C
DISSOLVED O_2 2.10 mg/L — SPECIFIC CONDUCTIVITY 310.1 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.97 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 4 gal

SAMPLE START TIME: 11:06
pH 6.76 su — TEMP 12.08 °C
DISSOLVED O_2 2.07 mg/L — SPECIFIC CONDUCTIVITY 311.1 ms/cm

SAMPLE END TIME: 11:11

COMMENTS: Very cloudy and orange. DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 0M2MW06
NJDEP ID #: 29-39184
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/08/03
WEATHER: sunny, warm.
TIDE: L
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 5.21 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:21.7 μ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp.: N/A
Turb: Hach Meter; Stab Cal set for 2100P Lot A2155
Exp. Nov-03

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2 INCH
DEPTH TO WATER: 6.31 ft
Before Purge Start: 6.31 ft previous Day: N/A ft After Sampling: 7.21 ft
DEPTH OF WELL: 18.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE: 17 FT TUBING: Food Grade ¼" Polyethylene
HEIGHT OF WATER: 12.19 ft
(12.19) X .163 X 3 = 5.96 (.163 for 2")
GALLONS OF H2O TO BE PURGED: 5 Gal
PURGE METHOD: (FLOW at >100 TO <500 gpm): 2" REDIFLO 2 GRUNDPHOS SUBMERSIBLE PUMP
Purged at * mL/Min start Gal/Min. (ml to gal.:ml(.0002642)=gal)
PURGE RATE: * gpm
Hnu READING: 0.0 ppm (Well) * start @300 ml/min @ 1215
Hnu READING: 0.0 ppm (Well Cap) to 250 ml/min @ 1230 to 230 ml/min @ 1235

PURGE START TIME: 1215
pH 6.92 su ORP N/A mv TEMP 16.04 °C Turb 176 NTU
DISSOLVED O_2 2.57 mg/L Sp. CONDUCTIVITY 197.1 us/cm

PURGE END TIME: 1259
pH 6.81 su ORP N/A mv TEMP 15.62 °C Turb 13.3 NTU
DISSOLVED O_2 1.34 mg/L Sp. CONDUCTIVITY 192.5 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 7.21 ft
(SAMPLING METHOD: (Through pump and tubing. Flow cell disconnected)

SAMPLE START TIME: 1300
pH 6.80 su ORP N/A mv TEMP 15.63 °C Turb 13.2 NTU
DISSOLVED O_2 1.35 mg/L Sp. CONDUCTIVITY 192.2 ms/cm
SAMPLE END TIME: 1307
ANALYTES : VOA+15, TAL Mtls, Pest/PCB, BNA+25
COMMENTS: Cloudy

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW07
NJDEP ID #: 29-39183
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/10/03
WEATHER: Sunny and warm.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 7.30 ft
DEPTH OF WELL: 16.71 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.41 ft
(9.41) X .163 X 3 =4.60
GALLONS OF H_2O TO BE PURGED: 5 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:10
pH 6.35 su
DISSOLVED O_2 3.19 mg/L
TEMP 12.36 °C
SPECIFIC CONDUCTIVITY 179.1 ms/cm

PURGE END TIME: 13:32
pH 6.44 su
DISSOLVED O_2 2.14 mg/L
TEMP 12.15 °C
SPECIFIC CONDUCTIVITY 179.3 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.81 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 5 gal

SAMPLE START TIME: 13:33
pH 6.43 su
DISSOLVED O_2 2.10 mg/L
TEMP 12.05 °C
SPECIFIC CONDUCTIVITY 179.4 ms/cm

SAMPLE END TIME: 13:38

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW08
NJDEP ID #: 29-39182
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/10/03
WEATHER: Sunny and warm.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 7.14 ft
DEPTH OF WELL: 20.88 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.74 ft
(13.74) X .163 X 3 =6.71
GALLONS OF H_2O TO BE PURGED: 7 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:20
pH 7.25 su — TEMP 12.19 °C
DISSOLVED O_2 3.20 mg/L — SPECIFIC CONDUCTIVITY 217.1 ms/cm

PURGE END TIME: 13:50
pH 7.20 su — TEMP 11.89 °C
DISSOLVED O_2 2.19 mg/L — SPECIFIC CONDUCTIVITY 328.7 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.91 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 7 gal

SAMPLE START TIME: 13:51
pH 7.19 su — TEMP 11.87 °C
DISSOLVED O_2 2.17 mg/L — SPECIFIC CONDUCTIVITY 329.5 ms/cm

SAMPLE END TIME: 13:56

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW09
NJDEP ID #: 29-39181
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/08/03
WEATHER: Sunny, cool
TIDE: L
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 5.21 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:21.7 µ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp.: N/A
Turb: Hach Meter; Stab Cal set for 2100p Lot A1255
Exp. Nov- 03

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2 INCH
DEPTH TO WATER: 7.67 ft
Before Purge Start: 7.67 ft Previous Day: N/A ft After Sampling: 8.20 ft
DEPTH OF WELL: 21.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE: 18.00 FT TUBING: Food Grade ¼" Polyethylene
HEIGHT OF WATER: 13.83 ft
(13.83) X .163 X 3 = 6.76 (.163 for 2")
GALLONS OF H2O TO BE PURGED: 7 Gal
PURGE METHOD: (FLOW at >100 TO <500 gpm): 2" REDIFLO 2 GRUNDPHOS SUBMERSIBLE PUMP
Purged at * mL/Min to Gal/Min. (ml to gal.:ml(0002642)=gal)
PURGE RATE: * gpm Start @ 380 ml/min @ 1015 to
Hnu READING: 0.0 ppm (Well) 275 ml/min @ 1030 to 280 ml/min @ 1100 until end
Hnu READING: 0.0 ppm (Well Cap)

PURGE START TIME: 1015
pH 6.97 su ORP N/A mv TEMP 16.12 °C Turb 140.9 NTU
DISSOLVED O_2 2.99 mg/L Sp. CONDUCTIVITY 365.3 ms/cm

PURGE END TIME: 1148
pH 6.83 su ORP N/A mv TEMP 15.89 °C Turb 12.2 NTU
DISSOLVED O_2 1.33 mg/L Sp. CONDUCTIVITY 321.6 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 8.20 ft
(SAMPLING METHOD: (Through pump and tubing. Flow cell disconnected)

SAMPLE START TIME: 1149
pH 6.81 su ORP N/A mv TEMP 15.89 °C Turb 12.3 NTU
DISSOLVED O_2 1.34 mg/L Sp. CONDUCTIVITY 322.1 ms/cm
SAMPLE END TIME: 1156
ANALYTES : VOA+15, ABN+25, Pest/PCB's, TAL Metals
COMMENTS: Cloudy

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW10
NJDEP ID #: 29-39180
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/11/03
WEATHER: Sunny and warm.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 2" INCH
DEPTH TO WATER: 7.57 ft
DEPTH OF WELL: 22.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 14.74 ft
(14.74) X .163 X 3 =7.20
GALLONS OF H_2O TO BE PURGED: 7 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:30
pH 7.18 su — TEMP 12.49 °C
DISSOLVED O_2 3.27 mg/L — SPECIFIC CONDUCTIVITY 376.3 ms/cm

PURGE END TIME: 12:00
pH 7.23 su — TEMP 12.21 °C
DISSOLVED O_2 2.02 mg/L — SPECIFIC CONDUCTIVITY 391.7 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.93 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 7 gal

SAMPLE START TIME: 12:01
pH 7.24 su — TEMP 12.20 °C
DISSOLVED O_2 2.04 mg/L — SPECIFIC CONDUCTIVITY 392.3 ms/cm

SAMPLE END TIME: 12:06

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW11
NJDEP ID #: 29-42769
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/15/03
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: 9.38 ft
DEPTH OF WELL: 51.95 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 42.57 ft
(42.57) X .65 X 3 =83.01
GALLONS OF H2O TO BE PURGED: 83 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.78 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:55
pH 7.76 su — TEMP 13.00 °C
DISSOLVED O_2 3.17 mg/L — SPECIFIC CONDUCTIVITY 21.76 ms/cm

PURGE END TIME: 11:41
pH 7.63 su — TEMP 12.76 °C
DISSOLVED O_2 1.76 mg/L — SPECIFIC CONDUCTIVITY 20.11 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 13.76 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 83 gal

SAMPLE START TIME: 11:42
pH 7.62 su — TEMP 12.75 °C
DISSOLVED O_2 1.79 mg/L — SPECIFIC CONDUCTIVITY 20.10 ms/cm

SAMPLE END TIME: 11:48

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW12
NJDEP ID #: 29-42770
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/15/03
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: 9.27 ft
DEPTH OF WELL: 51.98 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 42.71 ft
(42.71) X .65 X 3 =83.28
GALLONS OF H2O TO BE PURGED: 83 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.75 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:50
pH 7.96 su — TEMP 13.71 °C
DISSOLVED O_2 2.79 mg/L — SPECIFIC CONDUCTIVITY 21.70 ms/cm

PURGE END TIME: 13:36
pH 7.83 su — TEMP 13.21 °C
DISSOLVED O_2 1.31 mg/L — SPECIFIC CONDUCTIVITY 22.30 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.20 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 83 gal

SAMPLE START TIME: 13:37
pH 7.81 su — TEMP 13.20 °C
DISSOLVED O_2 1.27 mg/L — SPECIFIC CONDUCTIVITY 22.31 ms/cm

SAMPLE END TIME: 13:42

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW13
NJDEP ID #: 29-42771
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/11/03
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: 10.21 ft
DEPTH OF WELL: 22.25 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.04 ft
(12.04) X .65 X 3 =23.47
GALLONS OF H_2O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:15
pH 6.90 su — TEMP 12.11 °C
DISSOLVED O_2 3.79 mg/L — SPECIFIC CONDUCTIVITY 217.6 ms/cm

PURGE END TIME: 12:55
pH 6.90 su — TEMP 12.00 °C
DISSOLVED O_2 2.13 mg/L — SPECIFIC CONDUCTIVITY 251.7 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.76 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 12:56
pH 6.90 su — TEMP 12.01 °C
DISSOLVED O_2 2.16 mg/L — SPECIFIC CONDUCTIVITY 251.5 ms/cm

SAMPLE END TIME: 13:01

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW14
NJDEP ID #: 29-42562
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/11/03
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: 11.05 ft
DEPTH OF WELL: 23.05 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 H_2O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:45
pH 6.83 su
DISSOLVED O_2 3.66 mg/L
TEMP 12.19 °C
SPECIFIC CONDUCTIVITY 231.7 ms/cm

PURGE END TIME: 10:25
pH 6.83 su
DISSOLVED O_2 2.07 mg/L
TEMP 11.99 °C
SPECIFIC CONDUCTIVITY 263.4 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 12.10 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 10:26
pH 6.72 su
DISSOLVED O_2 2.10 mg/L
TEMP 12.00 °C
SPECIFIC CONDUCTIVITY 264.4 ms/cm

SAMPLE END TIME: 10:31

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW15
NJDEP ID #: 29-42773
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/11/03
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: 10.14 ft
DEPTH OF WELL: 22.13 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.99 ft
(11.99) X .65 X 3 =23.38
GALLONS OF H_2O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:25
pH 7.11 su — TEMP 12.19 °C
DISSOLVED O_2 3.52 mg/L — SPECIFIC CONDUCTIVITY 153.1 ms/cm

PURGE END TIME: 10:05
pH 6.93 su — TEMP 12.00 °C
DISSOLVED O_2 2.15 mg/L — SPECIFIC CONDUCTIVITY 191.7 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.97 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 10:06
pH 6.94 su — TEMP 12.01 °C
DISSOLVED O_2 2.14 mg/L — SPECIFIC CONDUCTIVITY 190.8 ms/cm

SAMPLE END TIME: 10:11

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW16
NJDEP ID #: 29-42774
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/09/03
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: 8.25 ft
DEPTH OF WELL: 22.08 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.83 ft
(13.83) X .65 X 3 =26.96
GALLONS OF H_2O TO BE PURGED: 27 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:59
pH 5.93 su — TEMP 13.27 °C
DISSOLVED O_2 4.21 mg/L — SPECIFIC CONDUCTIVITY 111.7 ms/cm

PURGE END TIME: 13:55
pH 5.87 su — TEMP 13.07 °C
DISSOLVED O_2 2.31 mg/L — SPECIFIC CONDUCTIVITY 147.6 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.63 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 27 gal

SAMPLE START TIME: 13:56
pH 5.87 su — TEMP 13.05 °C
DISSOLVED O_2 2.27 mg/L — SPECIFIC CONDUCTIVITY 145.3 ms/cm

SAMPLE END TIME: 14:01

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW17
NJDEP ID #: 29-42775
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/10/03
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: 11.01 ft
DEPTH OF WELL: 23.14 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.14 ft
(12.14) X .65 X 3 =23.67
GALLONS OF H_2O TO BE PURGED: 24 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:45
pH 6.59 su — TEMP 12.24 °C
DISSOLVED O_2 3.67 mg/L — SPECIFIC CONDUCTIVITY 231.7 ms/cm

PURGE END TIME: 10:29
pH 6.53 su — TEMP 11.97 °C
DISSOLVED O_2 2.15 mg/L — SPECIFIC CONDUCTIVITY 257.6 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 13.76 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 24 gal

SAMPLE START TIME: 10:30
pH 6.52 su — TEMP 11.98 °C
DISSOLVED O_2 2.16 mg/L — SPECIFIC CONDUCTIVITY 258.1 ms/cm

SAMPLE END TIME: 10:35

COMMENTS: Slightly cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW18
NJDEP ID #: 29-42776
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/10/03
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: 6.65 ft
DEPTH OF WELL: 22.25 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 15.60 ft
(15.60) X .65 X 3 =30.42
GALLONS OF H_2O TO BE PURGED: 30 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:50
pH 7.09 su — TEMP 12.53 °C
DISSOLVED O_2 3.28 mg/L — SPECIFIC CONDUCTIVITY 291.7 ms/cm

PURGE END TIME: 11:00
pH 7.13 su — TEMP 12.11 °C
DISSOLVED O_2 2.17 mg/L — SPECIFIC CONDUCTIVITY 310.1 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.07 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 30 gal

SAMPLE START TIME: 11:01
pH 7.14 su — TEMP 12.10 °C
DISSOLVED O_2 2.16 mg/L — SPECIFIC CONDUCTIVITY 309.8 ms/cm

SAMPLE END TIME: 11:06

COMMENTS: Cloudy entire bail.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW19
NJDEP ID #: 29-42777
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/15/03
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: 9.01 ft
DEPTH OF WELL: 52.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 43.90 ft
(43.90) X .65 X 3 =85.60
GALLONS OF H2O TO BE PURGED: 86 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.72 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:25
pH 7.89 su — TEMP 13.76 °C
DISSOLVED O_2 2.66 mg/L — SPECIFIC CONDUCTIVITY 27.60 ms/cm

PURGE END TIME: 09:14
pH 7.80 su — TEMP 13.21 °C
DISSOLVED O_2 1.76 mg/L — SPECIFIC CONDUCTIVITY 29.11 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 13.76 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 86 gal

SAMPLE START TIME: 09:15
pH 7.81 su — TEMP 13.20 °C
DISSOLVED O_2 1.70 mg/L — SPECIFIC CONDUCTIVITY 29.12 ms/cm

SAMPLE END TIME: 09:25

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW20
NJDEP ID #: 29-42778
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/15/03
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: 11.43 ft
DEPTH OF WELL: 53.30 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 41.87 ft
(41.87) X .65 X 3 =81.64
GALLONS OF H2O TO BE PURGED: 82 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.85 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:37
pH 7.76 su — TEMP 13.78 °C
DISSOLVED O_2 2.79 mg/L — SPECIFIC CONDUCTIVITY 17.91 ms/cm

PURGE END TIME: 10:20
pH 7.63 su — TEMP 13.33 °C
DISSOLVED O_2 1.63 mg/L — SPECIFIC CONDUCTIVITY 13.90 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 13.79 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 82 gal

SAMPLE START TIME: 10:21
pH 7.64 su — TEMP 13.30 °C
DISSOLVED O_2 1.62 mg/L — SPECIFIC CONDUCTIVITY 13.91 ms/cm

SAMPLE END TIME: 10:27

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW21
NJDEP ID #: 29-42779
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/09/03
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: 10.74 ft
DEPTH OF WELL: 22.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.57 ft
(11.57) X .65 X 3 =22.56
GALLONS OF H_2O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 14:05
pH 6.37 su — TEMP 13.20 °C
DISSOLVED O_2 3.79 mg/L — SPECIFIC CONDUCTIVITY 231.7 ms/cm

PURGE END TIME: 15:44
pH 6.39 su — TEMP 13.00 °C
DISSOLVED O_2 2.15 mg/L — SPECIFIC CONDUCTIVITY 244.5 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.01 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 15:45
pH 6.38 su — TEMP 13.00 °C
DISSOLVED O_2 2.13 mg/L — SPECIFIC CONDUCTIVITY 243.7 ms/cm

SAMPLE END TIME: 15:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW22
NJDEP ID #: 29-42780
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/10/03
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: 7.85 ft
DEPTH OF WELL: 22.47 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 14.62 ft
(14.62) X .65 X 3 =28.50
GALLONS OF H_2O TO BE PURGED: 29 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:44
pH 6.29 su — TEMP 12.97 °C
DISSOLVED O_2 2.10 mg/L — SPECIFIC CONDUCTIVITY 201.7 ms/cm

PURGE END TIME: 11:50
pH 6.23 su — TEMP 12.53 °C
DISSOLVED O_2 1.93 mg/L — SPECIFIC CONDUCTIVITY 210.3 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.76 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 29 gal

SAMPLE START TIME: 11:51
pH 6.21 su — TEMP 12.50 °C
DISSOLVED O_2 1.90 mg/L — SPECIFIC CONDUCTIVITY 211.1 ms/cm

SAMPLE END TIME: 11:56

COMMENTS Cloudy entire bail.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW23
NJDEP ID #: 29-42781
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/11/03
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: 10.97 ft
DEPTH OF WELL: 22.92 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.95 ft
(11.95) X .65 X 3 =23.30
GALLONS OF H_2O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:35
pH 6.97 su — TEMP 12.20 °C
DISSOLVED O_2 3.19 mg/L — SPECIFIC CONDUCTIVITY 876.3 ms/cm

PURGE END TIME: 10:15
pH 6.91 su — TEMP 12.01 °C
DISSOLVED O_2 2.31 mg/L — SPECIFIC CONDUCTIVITY 911.4 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.57 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 10:16
pH 6.90 su — TEMP 12.02 °C
DISSOLVED O_2 2.29 mg/L — SPECIFIC CONDUCTIVITY 911.4 ms/cm

SAMPLE END TIME: 10:21

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M2
MW#: 00M2MW24
NJDEP ID #: 29-42772
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/09/03
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: 9.28 ft
DEPTH OF WELL: 22.04 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.76 ft
(12.76) X .65 X 3 =24.88
GALLONS OF H_2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 10.0 ppm

PURGE START TIME: 10:00
pH 6.20 su
DISSOLVED O_2 4.17 mg/L
TEMP 13.76 °C
SPECIFIC CONDUCTIVITY 217.6 ms/cm

PURGE END TIME: 11:47
pH 6.11 su
DISSOLVED O_2 2.76 mg/L
TEMP 12.91 °C
SPECIFIC CONDUCTIVITY 231.4 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.37 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 11:48
pH 6.10 su
DISSOLVED O_2 2.75 mg/L
TEMP 12.93 °C
SPECIFIC CONDUCTIVITY 232.2 ms/cm

SAMPLE END TIME: 11:53

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	**VC010298.D**	Sample Name	**MB 17Sept03**
Operator	**Skelton**	Field ID	**MB 17Sept03**
Date Aquired	**17-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **MB 17Sept03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30577 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 17Sept03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010298.D

Level: (low/med) LOW Date Received: 9/8/2003

% Moisture: not dec. _____ Date Analyzed: 9/17/2003

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

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

Data File	VC010327.D	Sample Name	MB 18Sept03
Operator	Skelton	Field ID	MB 18Sept03
Date Aquired	18-Sep-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **MB 18Sept03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 18Sept03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010327.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: not dec. _____ Date Analyzed: 9/18/2003

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

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

Data File	**VC010315.D**	Sample Name	**3058101**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	15.57	230948	4.03 ug/L	6	0.30 ug/L	2.00 ug/L	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30581 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058101

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010315.D

Level: (low/med) LOW Date Received: 9/9/2003

% Moisture: not dec. Date Analyzed: 9/18/2003

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

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

Data File	**VC010329.D**	Sample Name	**3058201**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	15.57	248830	4.40 ug/L	6	0.30 ug/L	2.00 ug/L	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058201

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010329.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: not dec. Date Analyzed: 9/18/2003

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

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

Data File	**VC010342.D**	Sample Name	**3058401**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	15.58	206290	3.77 ug/L	6	0.30 ug/L	2.00 ug/L	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30584 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058401

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010342.D

Level: (low/med) LOW Date Received: 9/11/2003

% Moisture: not dec. Date Analyzed: 9/18/2003

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

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

Data File	**VC010351.D**	Sample Name	**3058501**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**19-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	15.57	233909	4.33 ug/L	6	0.30 ug/L	2.00 ug/L	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30585 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058501

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010351.D

Level: (low/med) LOW Date Received: 9/15/2003

% Moisture: not dec. Date Analyzed: 9/19/2003

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

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

Data File	**VC010316.D**	Sample Name	**3058102**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	15.57	236883	4.10 ug/L	6	0.30 ug/L	2.00 ug/L	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30581 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058102

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010316.D

Level: (low/med) LOW Date Received: 9/9/2003

% Moisture: not dec. Date Analyzed: 9/18/2003

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

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

Data File	**VC010330.D**	Sample Name	**3058202**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	15.57	238719	4.21 ug/L	6	0.30 ug/L	2.00 ug/L	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058202

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010330.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: not dec. Date Analyzed: 9/18/2003

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

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

Data File	**VC010343.D**	Sample Name	**3058402**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	15.58	205050	3.67 ug/L	6	0.30 ug/L	2.00 ug/L	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30584 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058402

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010343.D

Level: (low/med) LOW Date Received: 9/11/2003

% Moisture: not dec. _____ Date Analyzed: 9/18/2003

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

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

Data File	**VC010352.D**	Sample Name	**3058502**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**19-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	15.58	224039	4.19 ug/L	6	0.30 ug/L	2.00 ug/L	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30585 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058502

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010352.D

Level: (low/med) LOW Date Received: 9/15/2003

% Moisture: not dec. Date Analyzed: 9/19/2003

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

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

Data File	**VC010317.D**	Sample Name	**3058103**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30581 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058103

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010317.D

Level: (low/med) LOW Date Received: 9/9/2003

% Moisture: not dec. _____ Date Analyzed: 9/18/2003

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

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

Data File	**VC010331.D**	Sample Name	**3058203**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058203

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010331.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: not dec. Date Analyzed: 9/18/2003

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

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

Data File	**VC010344.D**	Sample Name	**3058403**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30584 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058403

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010344.D

Level: (low/med) LOW Date Received: 9/11/2003

% Moisture: not dec. Date Analyzed: 9/18/2003

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

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

Data File	**VC010353.D**	Sample Name	**3058503**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**19-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30585 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058503

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010353.D

Level: (low/med) LOW Date Received: 9/15/2003

% Moisture: not dec. _____ Date Analyzed: 9/19/2003

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

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

Data File	**VC010354.D**	Sample Name	**3058504**
Operator	**Skelton**	Field ID	**M2MW01**
Date Aquired	**19-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **M2MW01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30585 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058504

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010354.D

Level: (low/med) LOW Date Received: 9/15/2003

% Moisture: not dec. _____ Date Analyzed: 9/19/2003

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

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

Data File	**VC010335.D**	Sample Name	**3058207**
Operator	**Skelton**	Field ID	**M2MW02**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene	25.00	3143848	27.89 ug/L	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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	30.54	264276	3.23 ug/L	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

FIELD ID: **M2MW02**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058207

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010335.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: not dec. _____ Date Analyzed: 9/18/2003

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 hydrocarbon	17.06	6	J

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

Data File	**VC010349.D**	Sample Name	**3058408**
Operator	**Skelton**	Field ID	**M2MW03**
Date Aquired	**19-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene	25.00	1093197	9.85 ug/L	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

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9/23/2003 2:02 PM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **M2MW03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30584 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058408

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010349.D

Level: (low/med) LOW Date Received: 9/11/2003

% Moisture: not dec. _____ Date Analyzed: 9/19/2003

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

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

Data File	**VC010339.D**	Sample Name	**3058211**
Operator	**Skelton**	Field ID	**M2MW04**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW04**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058211

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010339.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: not dec. _____ Date Analyzed: 9/18/2003

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

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

Data File	**VC010336.D**	Sample Name	**3058208**
Operator	**Skelton**	Field ID	**M2MW05**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW05**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058208

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010336.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: not dec. _____ Date Analyzed: 9/18/2003

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

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

Data File	**VC010310.D**	Sample Name	**3057702**
Operator	**Skelton**	Field ID	**M2MW06**
Date Aquired	**17-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW06**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30577 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3057702

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010310.D

Level: (low/med) LOW Date Received: 9/8/2003

% Moisture: not dec. _____ Date Analyzed: 9/17/2003

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

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

Data File	**VC010337.D**	Sample Name	**3058209**
Operator	**Skelton**	Field ID	**M2MW07**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW07**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058209

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010337.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: not dec. _____ Date Analyzed: 9/18/2003

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

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

Data File	**VC010338.D**	Sample Name	**3058210**
Operator	**Skelton**	Field ID	**M2MW08**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW08**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058210

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010338.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: not dec. _____ Date Analyzed: 9/18/2003

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

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

Data File	**VC010309.D**	Sample Name	**3057701**
Operator	**Skelton**	Field ID	**M2MW09**
Date Aquired	**17-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW09**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30577 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3057701

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010309.D

Level: (low/med) LOW Date Received: 9/8/2003

% Moisture: not dec. _____ Date Analyzed: 9/17/2003

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

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

Data File	**VC010350.D**	Sample Name	**3058409**
Operator	**Skelton**	Field ID	**M2MW10**
Date Aquired	**19-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW10**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30584 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058409

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010350.D

Level: (low/med) LOW Date Received: 9/11/2003

% Moisture: not dec. _____ Date Analyzed: 9/19/2003

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

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

Data File	**VC010355.D**	Sample Name	**3058505**
Operator	**Skelton**	Field ID	**M2MW11**
Date Aquired	**19-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	11.55	171537	163.70 ug/L	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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW11**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30585 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058505

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010355.D

Level: (low/med) LOW Date Received: 9/15/2003

% Moisture: not dec. Date Analyzed: 9/19/2003

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 hydrocarbon	17.05	19	J

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

Data File	**VC010356.D**	Sample Name	**3058506**
Operator	**Skelton**	Field ID	**M2MW12**
Date Aquired	**19-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW12**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30585 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058506

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010356.D

Level: (low/med) LOW Date Received: 9/15/2003

% Moisture: not dec. _____ Date Analyzed: 9/19/2003

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

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

Data File	**VC010347.D**	Sample Name	**3058406**
Operator	**Skelton**	Field ID	**M2MW13**
Date Aquired	**19-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **M2MW13**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30584 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058406

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010347.D

Level: (low/med) LOW Date Received: 9/11/2003

% Moisture: not dec. _____ Date Analyzed: 9/19/2003

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

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

Data File	**VC010346.D**	Sample Name	**3058405**
Operator	**Skelton**	Field ID	**M2MW14**
Date Aquired	**19-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW14**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30584 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058405

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010346.D

Level: (low/med) LOW Date Received: 9/11/2003

% Moisture: not dec. _____ Date Analyzed: 9/19/2003

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. 000091-20-3	Naphthalene	26.65	4	JN

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

Data File	**VC010345.D**	Sample Name	**3058404**
Operator	**Skelton**	Field ID	**M2MW15**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW15**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30584 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058404

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010345.D

Level: (low/med) LOW Date Received: 9/11/2003

% Moisture: not dec. _____ Date Analyzed: 9/18/2003

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

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

Data File	**VC010318.D**	Sample Name	**3058104**
Operator	**Skelton**	Field ID	**M2MW16**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW16**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30581 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058104

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010318.D

Level: (low/med) LOW Date Received: 9/9/2003

% Moisture: not dec. _____ Date Analyzed: 9/18/2003

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

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

Data File	**VC010332.D**	Sample Name	**3058204**
Operator	**Skelton**	Field ID	**M2MW17**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW17**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058204

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010332.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: not dec. _____ Date Analyzed: 9/18/2003

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

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

Data File	**VC010333.D**	Sample Name	**3058205**
Operator	**Skelton**	Field ID	**M2MW18**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW18**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058205

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010333.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: not dec. _____ Date Analyzed: 9/18/2003

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

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

Data File	**VC010357.D**	Sample Name	**3058507**
Operator	**Skelton**	Field ID	**M2MW19**
Date Aquired	**19-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW19**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30585 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058507

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010357.D

Level: (low/med) LOW Date Received: 9/15/2003

% Moisture: not dec. _____ Date Analyzed: 9/19/2003

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

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

Data File	**VC010358.D**	Sample Name	**3058508**
Operator	**Skelton**	Field ID	**M2MW20**
Date Aquired	**19-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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

FIELD ID: **M2MW20**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30585 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058508

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010358.D

Level: (low/med) LOW Date Received: 9/15/2003

% Moisture: not dec. _____ Date Analyzed: 9/19/2003

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

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

Data File	**VC010320.D**	Sample Name	**3058106**
Operator	**Skelton**	Field ID	**M2MW21**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene	25.00	988451	7.59 ug/L	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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	30.34	249091	2.88 ug/L	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene	30.54	666684	7.04 ug/L	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene	31.40	104707	1.20 ug/L	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

FIELD ID: **M2MW21**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30581 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058106

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010320.D

Level: (low/med) LOW Date Received: 9/9/2003

% Moisture: not dec. Date Analyzed: 9/18/2003

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: 3

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000091-20-3	Naphthalene	26.66	21	JN
2.	unknown	31.09	4	J
3.	unknown	32.33	5	J

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

Data File	**VC010334.D**	Sample Name	**3058206**
Operator	**Skelton**	Field ID	**M2MW22**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	
75-27-4	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	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene	25.00	3075734	27.03 ug/L	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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	30.54	245881	2.97 ug/L	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

FIELD ID: **M2MW22**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058206

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010334.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: not dec. Date Analyzed: 9/18/2003

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 hydrocarbon	17.06	5	J

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

Data File	**VC010348.D**	Sample Name	**3058407**
Operator	**Skelton**	Field ID	**M2MW23**
Date Aquired	**19-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	16.91	357633	2.75 ug/L	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	
75-27-4	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	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene	25.00	2728511	25.70 ug/L	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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	30.54	149306	1.93 ug/L	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

FIELD ID: **M2MW23**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30584 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058407

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010348.D

Level: (low/med) LOW Date Received: 9/11/2003

% Moisture: not dec. Date Analyzed: 9/19/2003

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: 2

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	31.09	5	J
2. 001005-64-7	(E)-1-Phenyl-1-butene	32.33	3	JN

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

Data File	**VC010319.D**	Sample Name	**3058105**
Operator	**Skelton**	Field ID	**M2MW24**
Date Aquired	**18-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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	
75-35-3	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	
75-55-6	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	16.91	285831	2.09 ug/L	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	
75-27-4	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	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene	25.00	609881	5.49 ug/L	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	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	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	30.54	278279	3.45 ug/L	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

FIELD ID: **M2MW24**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30581 Location: M2 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3058105

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010319.D

Level: (low/med) LOW Date Received: 9/9/2003

% Moisture: not dec. Date Analyzed: 9/18/2003

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: 11

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000098-82-8	Benzene, (1-methylethyl)-	27.32	10	JN
2. 000103-65-1	Benzene, propyl-	28.30	15	JN
3. 000135-98-8	Benzene, (1-methylpropyl)-	29.98	6	JN
4. 000105-05-5	Benzene, 1,4-diethyl-	30.97	7	JN
5. 000496-11-7	Indane	31.08	35	JN
6. 000104-51-8	Benzene, butyl-	31.23	3	JN
7. 000135-01-3	Benzene, 1,2-diethyl-	31.45	3	JN
8. 000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	32.03	6	JN
9. 000768-49-0	Benzene, (2-methyl-1-propenyl)-	32.18	6	JN
10. 027133-93-3	2,3-Dihydro-1-methylindene	32.33	22	JN
11. 000095-93-2	Benzene, 1,2,4,5-tetramethyl-	32.90	9	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08653.D**	Sample Name	**MB-091003**
Operator	**BPatel**	Misc Info	**MB-091003-Aq.**
Date Acquired	**11-Sep-03**	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	**BNA08653.D**	Sample Name	**MB-091003**
Operator	**BPatel**	Misc Info	**MB-091003-Aq.**
Date Acquired	**11-Sep-03**	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
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: **MB-091003**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30577 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB-091003

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08653.D

Level: (low/med) LOW Date Received: 9/8/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/10/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/11/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08673.D**	Sample Name	**MB-091503**
Operator	**BPatel**	Misc Info	**MB-091503**
Date Acquired	**17-Sep-03**	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	**BNA08673.D**	Sample Name	**MB-091503**
Operator	**BPatel**	Misc Info	**MB-091503**
Date Acquired	**17-Sep-03**	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
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.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **MB-091503**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30584 Location: M2 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: MB-091503

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08673.D

Level: (low/med) LOW Date Received: 9/11/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 9/15/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/17/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06709.D**	Sample Name	**MB-091703**
Operator	**B.Patel**	Misc Info	**MB-091703**
Date Acquired	**17-Sep-03**	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	**BN06709.D**	Sample Name	**MB-091703**
Operator	**B.Patel**	Misc Info	**MB-091703**
Date Acquired	**17-Sep-03**	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-091703**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30585 Location: M2 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: MB-091703

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06709.D

Level: (low/med) LOW Date Received: 9/15/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/17/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08659.D**	Sample Name	**3058102**
Operator	**BPatel**	Misc Info	**Field Blank**
Date Acquired	**11-Sep-03**	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	**BNA08659.D**	Sample Name	**3058102**
Operator	**BPatel**	Misc Info	**Field Blank**
Date Acquired	**11-Sep-03**	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: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30581 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058102

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08659.D

Level: (low/med) LOW Date Received: 9/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/10/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/11/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08675.D**	Sample Name	**3058202**
Operator	**BPatel**	Misc Info	**Field Blank**
Date Acquired	**17-Sep-03**	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	**BNA08675.D**	Sample Name	**3058202**
Operator	**BPatel**	Misc Info	**Field Blank**
Date Acquired	**17-Sep-03**	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
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: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058202

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08675.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/15/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/17/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08685.D**	Sample Name	**3058402**
Operator	**BPatel**	Misc Info	**Field Blank**
Date Acquired	**18-Sep-03**	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	**BNA08685.D**	Sample Name	**3058402**
Operator	**BPatel**	Misc Info	**Field Blank**
Date Acquired	**18-Sep-03**	Sample Multiplie	**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
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: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30584 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058402

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08685.D

Level: (low/med) LOW Date Received: 9/11/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/15/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/18/2003

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: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06711.D**	Sample Name	**3058502**
Operator	**B.Patel**	Misc Info	**Field Blank**
Date Acquired	**17-Sep-03**	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	**BN06711.D**	Sample Name	**3058502**
Operator	**B.Patel**	Misc Info	**Field Blank**
Date Acquired	**17-Sep-03**	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
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: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30585 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 3058502

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06711.D

Level: (low/med) LOW Date Received: 9/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 9/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/17/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08660.D**	Sample Name	**3058103**
Operator	**BPatel**	Misc Info	**Dupe**
Date Acquired	**11-Sep-03**	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	**BNA08660.D**	Sample Name	**3058103**
Operator	**BPatel**	Misc Info	**Dupe**
Date Acquired	**11-Sep-03**	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	18.96	56146	1.07 ug/L	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
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.: 30581 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058103

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08660.D

Level: (low/med) LOW Date Received: 9/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/10/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/11/2003

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: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.14	6	J
2. 000057-10-3	Hexadecanoic acid	22.85	6	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08693.D**	Sample Name	**3058203**
Operator	**BPatel**	Misc Info	**Dupe**
Date Acquired	**18-Sep-03**	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	**BNA08693.D**	Sample Name	**3058203**
Operator	**BPatel**	Misc Info	**Dupe**
Date Acquired	**18-Sep-03**	Sample Multiplie	**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
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.: 30582 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058203

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08693.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/15/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/18/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08686.D**	Sample Name	**3058403**
Operator	**BPatel**	Misc Info	**Dupe**
Date Acquired	**18-Sep-03**	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	**BNA08686.D**	Sample Name	**3058403**
Operator	**BPatel**	Misc Info	**Dupe**
Date Acquired	**18-Sep-03**	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
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.: 30584 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058403

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08686.D

Level: (low/med) LOW Date Received: 9/11/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/15/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/18/2003

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: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06712.D**	Sample Name	**3058503**
Operator	**B.Patel**	Misc Info	**Dupe**
Date Acquired	**17-Sep-03**	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	**BN06712.D**	Sample Name	**3058503**
Operator	**B.Patel**	Misc Info	**Dupe**
Date Acquired	**17-Sep-03**	Sample Multiplie	**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
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.: 30585 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 3058503

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06712.D

Level: (low/med) LOW Date Received: 9/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 9/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/17/2003

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: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06713.D**	Sample Name	**3058504**
Operator	**B.Patel**	Misc Info	**M2MW01**
Date Acquired	**17-Sep-03**	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	**BN06713.D**	Sample Name	**3058504**
Operator	**B.Patel**	Misc Info	**M2MW01**
Date Acquired	**17-Sep-03**	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

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **M2MW01**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30585 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 3058504

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06713.D

Level: (low/med) LOW Date Received: 9/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 9/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/17/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08680.D**	Sample Name	**3058207**
Operator	**BPatel**	Misc Info	**M2MW02**
Date Acquired	**17-Sep-03**	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	10.62	106577	2.88 ug/L	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	**BNA08680.D**	Sample Name	**3058207**
Operator	**BPatel**	Misc Info	**M2MW02**
Date Acquired	**17-Sep-03**	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	28.01	211131	3.46 ug/L	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: **M2MW02**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058207

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08680.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/15/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/17/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000077-74-7	3-Pentanol, 3-methyl-	5.19	24	JN
2. 001462-03-9	Cyclopentanol, 1-methyl-	6.06	8	JN
3. 000934-34-9	2(3H)-Benzothiazolone	20.04	5	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08691.D**	Sample Name	**3058408**
Operator	**BPatel**	Misc Info	**M2MW03**
Date Acquired	**18-Sep-03**	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	17.85	130561	2.42 ug/L	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	**BNA08691.D**	Sample Name	**3058408**
Operator	**BPatel**	Misc Info	**M2MW03**
Date Acquired	**18-Sep-03**	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
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.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **M2MW03**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30584 Location: M2 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3058408

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08691.D

Level: (low/med) LOW Date Received: 9/11/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 9/15/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/18/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08684.D**	Sample Name	**3058211**
Operator	**BPatel**	Misc Info	**M2MW04**
Date Acquired	**17-Sep-03**	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	**BNA08684.D**	Sample Name	**3058211**
Operator	**BPatel**	Misc Info	**M2MW04**
Date Acquired	**17-Sep-03**	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: **M2MW04**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058211

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08684.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/15/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/17/2003

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	32.86	23	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08681.D**	Sample Name	**3058208**
Operator	**BPatel**	Misc Info	**M2MW05**
Date Acquired	**17-Sep-03**	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	**BNA08681.D**	Sample Name	**3058208**
Operator	**BPatel**	Misc Info	**M2MW05**
Date Acquired	**17-Sep-03**	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
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: **M2MW05**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058208

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08681.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/15/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/17/2003

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: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08655.D**	Sample Name	**3057702**
Operator	**BPatel**	Misc Info	**M2MW06**
Date Acquired	**11-Sep-03**	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	**BNA08655.D**	Sample Name	**3057702**
Operator	**BPatel**	Misc Info	**M2MW06**
Date Acquired	**11-Sep-03**	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
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: **M2MW06**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30577 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3057702

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08655.D

Level: (low/med) LOW Date Received: 9/8/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/10/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/11/2003

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: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.20	35	J
2. 001462-03-9	Cyclopentanol, 1-methyl-	6.07	10	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08682.D**	Sample Name	**3058209**
Operator	**BPatel**	Misc Info	**M2MW07**
Date Acquired	**17-Sep-03**	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	**BNA08682.D**	Sample Name	**3058209**
Operator	**BPatel**	Misc Info	**M2MW07**
Date Acquired	**17-Sep-03**	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
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.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **M2MW07**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058209

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08682.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/15/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/17/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08683.D**	Sample Name	**3058210**
Operator	**BPatel**	Misc Info	**M2MW08**
Date Acquired	**17-Sep-03**	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	**BNA08683.D**	Sample Name	**3058210**
Operator	**BPatel**	Misc Info	**M2MW08**
Date Acquired	**17-Sep-03**	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
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.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **M2MW08**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058210

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08683.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/15/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/17/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08654.D**	Sample Name	**3057701**
Operator	**BPatel**	Misc Info	**M2MW09**
Date Acquired	**11-Sep-03**	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	**BNA08654.D**	Sample Name	**3057701**
Operator	**BPatel**	Misc Info	**M2MW09**
Date Acquired	**11-Sep-03**	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

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: **M2MW09**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30577 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3057701

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08654.D

Level: (low/med) LOW Date Received: 9/8/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/10/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/11/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08692.D**	Sample Name	**3058409**
Operator	**BPatel**	Misc Info	**M2MW10**
Date Acquired	**18-Sep-03**	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	**BNA08692.D**	Sample Name	**3058409**
Operator	**BPatel**	Misc Info	**M2MW10**
Date Acquired	**18-Sep-03**	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
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: **M2MW10**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30584 Location: M2 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3058409

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08692.D

Level: (low/med) LOW Date Received: 9/11/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 9/15/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/18/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06714.D**	Sample Name	**3058505**
Operator	**B.Patel**	Misc Info	**M2MW11**
Date Acquired	**17-Sep-03**	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	**BN06714.D**	Sample Name	**3058505**
Operator	**B.Patel**	Misc Info	**M2MW11**
Date Acquired	**17-Sep-03**	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
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: **M2MW11**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30585 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 3058505

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06714.D

Level: (low/med) LOW Date Received: 9/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 9/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/17/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06715.D**	Sample Name	**3058506**
Operator	**B.Patel**	Misc Info	**M2MW12**
Date Acquired	**17-Sep-03**	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	**BN06715.D**	Sample Name	**3058506**
Operator	**B.Patel**	Misc Info	**M2MW12**
Date Acquired	**17-Sep-03**	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
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: **M2MW12**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30585 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 3058506

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06715.D

Level: (low/med) LOW Date Received: 9/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 9/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/17/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08689.D**	Sample Name	**3058406**
Operator	**BPatel**	Misc Info	**M2MW13**
Date Acquired	**18-Sep-03**	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	**BNA08689.D**	Sample Name	**3058406**
Operator	**BPatel**	Misc Info	**M2MW13**
Date Acquired	**18-Sep-03**	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
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: **M2MW13**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30584 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058406

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08689.D

Level: (low/med) LOW Date Received: 9/11/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/15/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/18/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08688.D**	Sample Name	**3058405**
Operator	**BPatel**	Misc Info	**M2MW14**
Date Acquired	**18-Sep-03**	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	**BNA08688.D**	Sample Name	**3058405**
Operator	**BPatel**	Misc Info	**M2MW14**
Date Acquired	**18-Sep-03**	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

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: **M2MW14**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30584 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058405

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08688.D

Level: (low/med) LOW Date Received: 9/11/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/15/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/18/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08687.D**	Sample Name	**3058404**
Operator	**BPatel**	Misc Info	**M2MW15**
Date Acquired	**18-Sep-03**	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	13.58	2201150	21.20 ug/L	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	15.24	131303	2.00 ug/L	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	17.85	1132927	19.37 ug/L	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	18.26	1270100	17.02 ug/L	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	**BNA08687.D**	Sample Name	**3058404**
Operator	**BPatel**	Misc Info	**M2MW15**
Date Acquired	**18-Sep-03**	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	19.10	897279	14.50 ug/L	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	21.44	523800	5.63 ug/L	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
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: **M2MW15**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30584 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058404

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08687.D

Level: (low/med) LOW Date Received: 9/11/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/15/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/18/2003

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. 000270-82-6	Benzo[c]thiophene	13.71	4	JN
2. 000264-09-5	Benzocycloheptatriene	15.48	7	JN
3. 074410-42-7	D-Galactitol, 2-(acetylmethylamin	22.00	6	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08661.D**	Sample Name	**3058104**
Operator	**BPatel**	Misc Info	**M2MW16**
Date Acquired	**11-Sep-03**	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	**BNA08661.D**	Sample Name	**3058104**
Operator	**BPatel**	Misc Info	**M2MW16**
Date Acquired	**11-Sep-03**	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	18.96	56439	1.10 ug/L	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
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: **M2MW16**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30581 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058104

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08661.D

Level: (low/med) LOW Date Received: 9/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/10/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/11/2003

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: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.14	6	J
2. 000057-10-3	Hexadecanoic acid	22.85	6	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08677.D**	Sample Name	**3058204**
Operator	**BPatel**	Misc Info	**M2MW17**
Date Acquired	**17-Sep-03**	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	**BNA08677.D**	Sample Name	**3058204**
Operator	**BPatel**	Misc Info	**M2MW17**
Date Acquired	**17-Sep-03**	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
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: **M2MW17**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058204

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08677.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/15/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/17/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08678.D**	Sample Name	**3058205**
Operator	**BPatel**	Misc Info	**M2MW18**
Date Acquired	**17-Sep-03**	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	**BNA08678.D**	Sample Name	**3058205**
Operator	**BPatel**	Misc Info	**M2MW18**
Date Acquired	**17-Sep-03**	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
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.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **M2MW18**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058205

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08678.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/15/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/17/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000077-74-7	3-Pentanol, 3-methyl-	5.19	19	JN
2. 001462-03-9	Cyclopentanol, 1-methyl-	6.06	13	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06716.D**	Sample Name	**3058507**
Operator	**B.Patel**	Misc Info	**M2MW19**
Date Acquired	**17-Sep-03**	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	**BN06716.D**	Sample Name	**3058507**
Operator	**B.Patel**	Misc Info	**M2MW19**
Date Acquired	**17-Sep-03**	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
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.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **M2MW19**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30585 Location: M2 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 3058507

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06716.D

Level: (low/med) LOW Date Received: 9/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 9/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/17/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN06717.D**	Sample Name	**3058508**
Operator	**B.Patel**	Misc Info	**M2MW20**
Date Acquired	**17-Sep-03**	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	**BN06717.D**	Sample Name	**3058508**
Operator	**B.Patel**	Misc Info	**M2MW20**
Date Acquired	**17-Sep-03**	Sample Multiplie	**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: **M2MW20**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30585 Location: M2 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 3058508

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06717.D

Level: (low/med) LOW Date Received: 9/15/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/17/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08663.D**	Sample Name	**3058106**
Operator	**BPatel**	Misc Info	**M2MW21**
Date Acquired	**11-Sep-03**	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	10.48	88250	2.77 ug/L	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene	10.64	213195	6.56 ug/L	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	10.99	37499	1.27 ug/L	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	15.26	132106	2.47 ug/L	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	**BNA08663.D**	Sample Name	**3058106**
Operator	**BPatel**	Misc Info	**M2MW21**
Date Acquired	**11-Sep-03**	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	28.04	468217	9.00 ug/L	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: **M2MW21**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30581 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058106

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08663.D

Level: (low/med) LOW Date Received: 9/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/10/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/11/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.14	7	J
2. 000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	11.82	4	JN
3.	unknown	12.95	5	J
4. 000090-12-0	Naphthalene, 1-methyl-	15.50	5	JN
5. 000934-34-9	2(3H)-Benzothiazolone	20.07	5	JN
6. 000057-10-3	Hexadecanoic acid	22.85	10	JN
7. 000057-11-4	Octadecanoic acid	24.77	6	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08679.D**	Sample Name	**3058206**
Operator	**BPatel**	Misc Info	**M2MW22**
Date Acquired	**17-Sep-03**	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	**BNA08679.D**	Sample Name	**3058206**
Operator	**BPatel**	Misc Info	**M2MW22**
Date Acquired	**17-Sep-03**	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
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: **M2MW22**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30582 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058206

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08679.D

Level: (low/med) LOW Date Received: 9/10/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/15/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/17/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.19	97	J
2. 001462-03-9	Cyclopentanol, 1-methyl-	6.06	59	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08690.D**	Sample Name	**3058407**
Operator	**BPatel**	Misc Info	**M2MW23**
Date Acquired	**18-Sep-03**	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	10.62	64360	1.60 ug/L	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	**BNA08690.D**	Sample Name	**3058407**
Operator	**BPatel**	Misc Info	**M2MW23**
Date Acquired	**18-Sep-03**	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	28.01	127647	2.01 ug/L	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: **M2MW23**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30584 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058407

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08690.D

Level: (low/med) LOW Date Received: 9/11/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/15/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/18/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA08662.D**	Sample Name	**3058105**
Operator	**BPatel**	Misc Info	**M2MW24**
Date Acquired	**11-Sep-03**	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	10.64	108218	3.22 ug/L	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	13.60	7376669	84.74 ug/L	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	15.26	633383	11.54 ug/L	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	17.87	299756	5.83 ug/L	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	18.29	144841	1.98 ug/L	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	**BNA08662.D**	Sample Name	**3058105**
Operator	**BPatel**	Misc Info	**M2MW24**
Date Acquired	**11-Sep-03**	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	19.12	123801	2.05 ug/L	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	19.47	56130	1.33 ug/L	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	28.05	338911	6.29 ug/L	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: **M2MW24**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30581 Location: M2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3058105

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08662.D

Level: (low/med) LOW Date Received: 9/9/2003

% Moisture: decanted: (Y/N) N Date Extracted: 9/10/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/11/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 20 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.14	11	J
2. 000098-82-8	Benzene, (1-methylethyl)-	8.85	8	JN
3. 000103-65-1	Benzene, propyl-	9.44	11	JN
4. 000135-98-8	Benzene, (1-methylpropyl)-	10.50	5	JN
5. 000496-11-7	Indane	11.01	27	JN
6.	unknown	11.18	14	J
7.	unknown	11.33	6	J
8. 000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	11.82	14	JN
9. 000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	12.36	8	JN
10. 027133-93-3	2,3-Dihydro-1-methylindene	12.78	6	JN
11. 002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	12.95	25	JN
12. 001559-81-5	Naphthalene, 1,2,3,4-tetrahydro-1	13.69	6	JN
13. 001680-51-9	Naphthalene, 1,2,3,4-tetrahydro-6	15.16	5	JN
14. 000090-12-0	Naphthalene, 1-methyl-	15.50	29	JN
15. 000581-40-8	Naphthalene, 2,3-dimethyl-	16.79	9	JN
16. 000581-40-8	Naphthalene, 2,3-dimethyl-	16.97	11	JN
17. 000571-58-4	Naphthalene, 1,4-dimethyl-	17.25	4	JN
18.	unknown	19.01	5	J
19. 000934-34-9	2(3H)-Benzothiazolone	20.07	6	JN
20. 000057-10-3	Hexadecanoic acid	22.85	6	JN

U.S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

TABULATED ANALYTICAL REPORT
SW 846 608
Pesticides/PCB

mb 091103

Matrix: Aqueous
Date Extracted: 9/11/2003
Ext. Batch: 091103
Date Analysed: 9/17/2003

Filename: 01361.D

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	MDL (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.

TABULATED ANALYTICAL REPORT
SW 846 608
Pesticides/PCB

mb 091103

Matrix: Aqueous
Date Extracted: 9/11/2003
Ext. Batch: 091103
Filename: 01361.D
Date Analysed: 9/17/2003

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	MDL (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.

TABULATED ANALYTICAL REPORT
SW 846 608
Pesticides/PCB

mb 091203

Matrix: Aqueous
Date Extracted: 9/11/2003
Ext. Batch: 091103
Date Analysed: 9/18/2003

Filename: 01373.D

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	MDL (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.

TABULATED ANALYTICAL REPORT
SW 846 608
Pesticides/PCB

mb 091603

Matrix: Aqueous
Date Extracted: 9/16/2003
Ext. Batch: 9/16/03
Filename: 01383.D
Date Analysed: 9/18/2003

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	MDL (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
5103-74-2	gamma-Chlordane	ND	0.0007
5103-71-9	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
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: M2 Wells 3rd Qrtr. '03
Field ID: FIELDBLANK
Lab ID: 3058102
Filename: 01363.D
Lab Project : 30581

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 091103
Date Extracted: 9/11/2003
Date Analyzed: 17-Sep-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.

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: M2 Wells 3rd Qrtr. '03
Field ID: FIELDBLANK
Lab ID: 3058202
Filename: 01368.D
Lab Project : 30582

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 091103
Date Extracted: 9/11/2003
Date Analyzed: 17-Sep-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.

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: M2 Wells 3rd Qrtr. '03
Field ID: FIELDBLANK
Lab ID: 3058402
Filename: 01385.D
Lab Project : 30584

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 9/16/03
Date Extracted: 9/16/2003
Date Analyzed: 18-Sep-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
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	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
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 3rd Qrtr. '03
Field ID: FIELDBLANK
Lab ID: 3058502
Filename: 01393.D
Lab Project : 30585

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 9/16/03
Date Extracted: 9/16/2003
Date Analyzed: 18-Sep-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
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	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
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 3rd Qrtr. '03
Field ID: Dupe
Lab ID: 3058103
Filename: 01364.D
Lab Project : 30581

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 091103
Date Extracted: 9/11/2003
Date Analyzed: 17-Sep-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.

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	**Location:**	M2 Wells 3rd Qrtr. '03
Project Name:	M2 Wells 3rd Qrtr. '03	**MATRIX:**	Aqueous
Field ID:	Dupe	**Ext. Batch:**	091103
Lab ID:	3058203	**Date Extracted:**	9/11/2003
Filename:	01369.D	**Date Analyzed:**	17-Sep-03
Lab Project :	30582	**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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 3rd Qrtr. '03
Field ID: Dupe
Lab ID: 3058403
Filename: 01386.D
Lab Project : 30584

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 9/16/03
Date Extracted: 9/16/2003
Date Analyzed: 18-Sep-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
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	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
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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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: M2 Wells 3rd Qrtr. '03
Field ID: Dupe
Lab ID: 3058503
Filename: 01394.D
Lab Project : 30585

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 9/16/03
Date Extracted: 9/16/2003
Date Analyzed: 18-Sep-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
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	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
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 3rd Qrtr. '03
Field ID: M2MW01
Lab ID: 3058504
Filename: 01395.D
Lab Project : 30585

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 9/16/03
Date Extracted: 9/16/2003
Date Analyzed: 18-Sep-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
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	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
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 3rd Qrtr. '03
Field ID: M2MW02
Lab ID: 3058207
Filename: 01375.D
Lab Project : 30582

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 091103
Date Extracted: 9/11/2003
Date Analyzed: 18-Sep-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	0.120	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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Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 3rd Qrtr. '03
Field ID: M2MW03
Lab ID: 3058408
Filename: 01391.D
Lab Project : 30584

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 9/16/03
Date Extracted: 9/16/2003
Date Analyzed: 18-Sep-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
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	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
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 3rd Qrtr. '03
Field ID: M2MW04
Lab ID: 3058211
Filename: 01379.D
Lab Project : 30582

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 091103
Date Extracted: 9/11/2003
Date Analyzed: 18-Sep-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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 3rd Qrtr. '03
Field ID: M2MW05
Lab ID: 3058208
Filename: 01376.D
Lab Project : 30582

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 091103
Date Extracted: 9/11/2003
Date Analyzed: 18-Sep-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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 3rd. Qrtr '03
Field ID: M2MW06
Lab ID: 3057702
Filename: 01301.D
Lab Project : 30577

Location: M2 Wells 3rd. Qrtr '03
MATRIX: Aqueous
Ext. Batch: 090903
Date Extracted: 9/9/2003
Date Analyzed: 11-Sep-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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 3rd Qrtr. '03
Field ID: M2MW07
Lab ID: 3058209
Filename: 01377.D
Lab Project : 30582

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 091103
Date Extracted: 9/11/2003
Date Analyzed: 18-Sep-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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PESTICIDES/PCB

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:**	M2 Wells 3rd Qrtr. '03
Project Name:	M2 Wells 3rd Qrtr. '03	**MATRIX:**	Aqueous
Field ID:	M2MW08	**Ext. Batch:**	091103
Lab ID:	3058210	**Date Extracted:**	9/11/2003
Filename:	01378.D	**Date Analyzed:**	18-Sep-03
Lab Project :	30582	**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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 3rd. Qrtr '03
Field ID: M2MW09
Lab ID: 3057701
Filename: 01300.D
Lab Project : 30577

Location: M2 Wells 3rd. Qrtr '03
MATRIX: Aqueous
Ext. Batch: 090903
Date Extracted: 9/9/2003
Date Analyzed: 11-Sep-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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Report of Analysis
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 3rd Qrtr. '03
Field ID: M2MW10
Lab ID: 3058409
Filename: 01392.D
Lab Project : 30584

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 9/16/03
Date Extracted: 9/16/2003
Date Analyzed: 18-Sep-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
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	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
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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Report of Analysis
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 3rd Qrtr. '03
Field ID: M2MW11
Lab ID: 3058505
Filename: 01396.D
Lab Project : 30585

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 9/16/03
Date Extracted: 9/16/2003
Date Analyzed: 18-Sep-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
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	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
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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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: M2 Wells 3rd Qrtr. '03
Field ID: M2MW12
Lab ID: 3058506
Filename: 01397.D
Lab Project : 30585

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 9/16/03
Date Extracted: 9/16/2003
Date Analyzed: 18-Sep-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
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	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
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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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: M2 Wells 3rd Qrtr. '03
Field ID: M2MW13
Lab ID: 3058406
Filename: 01389.D
Lab Project : 30584

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 9/16/03
Date Extracted: 9/16/2003
Date Analyzed: 18-Sep-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
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	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
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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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: M2 Wells 3rd Qrtr. '03
Field ID: M2MW14
Lab ID: 3058405
Filename: 01388.D
Lab Project : 30584

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 9/16/03
Date Extracted: 9/16/2003
Date Analyzed: 18-Sep-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
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	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
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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Report of Analysis
NJDEP Certification # 13461
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 3rd Qrtr. '03
Field ID: M2MW15
Lab ID: 3058404
Filename: 01387.D
Lab Project : 30584

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 9/16/03
Date Extracted: 9/16/2003
Date Analyzed: 18-Sep-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
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	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
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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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: M2 Wells 3rd Qrtr. '03
Field ID: M2MW 16
Lab ID: 3058104
Filename: 01365.D
Lab Project : 30581

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 091103
Date Extracted: 9/11/2003
Date Analyzed: 17-Sep-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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Report of Analysis
NJDEP Certification # 13461
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 3rd Qrtr. '03
Field ID: M2MW17
Lab ID: 3058204
Filename: 01370.D
Lab Project : 30582

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 091103
Date Extracted: 9/11/2003
Date Analyzed: 17-Sep-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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:**	M2 Wells 3rd Qrtr. '03
Project Name:	M2 Wells 3rd Qrtr. '03	**MATRIX:**	Aqueous
Field ID:	M2MW18	**Ext. Batch:**	091103
Lab ID:	3058205	**Date Extracted:**	9/11/2003
Filename:	01371.D	**Date Analyzed:**	17-Sep-03
Lab Project :	30582	**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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 3rd Qrtr. '03
Field ID: M2MW19
Lab ID: 3058507
Filename: 01398.D
Lab Project : 30585

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 9/16/03
Date Extracted: 9/16/2003
Date Analyzed: 18-Sep-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
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	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
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.

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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: M2 Wells 3rd Qrtr. '03
Field ID: M2MW20
Lab ID: 3058508
Filename: 01399.D
Lab Project : 30585

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 9/16/03
Date Extracted: 9/16/2003
Date Analyzed: 18-Sep-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
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	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
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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Report of Analysis
NJDEP Certification # 13461
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 3rd Qrtr. '03
Field ID: M2MW 21
Lab ID: 3058106
Filename: 01367.D
Lab Project : 30581

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 091103
Date Extracted: 9/11/2003
Date Analyzed: 17-Sep-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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Report of Analysis
NJDEP Certification # 13461
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 3rd Qrtr. '03
Field ID: M2MW22
Lab ID: 3058206
Filename: 01372.D
Lab Project : 30582

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 091103
Date Extracted: 9/11/2003
Date Analyzed: 17-Sep-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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 3rd Qrtr. '03
Field ID: M2MW23
Lab ID: 3058407
Filename: 01390.D
Lab Project : 30584

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 9/16/03
Date Extracted: 9/16/2003
Date Analyzed: 18-Sep-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
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	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	0.010	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
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: M2 Wells 3rd Qrtr. '03
Field ID: M2MW 24
Lab ID: 3058105
Filename: 01366.D
Lab Project : 30581

Location: M2 Wells 3rd Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 091103
Date Extracted: 9/11/2003
Date Analyzed: 17-Sep-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.

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 #: 30581
Sample Received: NA
Sample Matrix: Aqueous

Site: M2 Wells
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)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	09/16/03	51.9	200	200	21.8
Antimony	09/16/03	ND	20	20.0	3.70
Arsenic	09/16/03	ND	8	5.00	2.30
Barium	09/16/03	ND	2000	5.00	0.50
Beryllium	09/16/03	0.051	20	0.50	0.02
Cadmium	09/16/03	ND	4	2.00	0.40
Calcium	09/16/03	195	NLE	1000	65.0
Chromium	09/16/03	ND	100	5.00	1.00
Cobalt	09/16/03	ND	NLE	2.00	0.30
Copper	09/16/03	ND	1000	5.00	0.30
Iron	09/16/03	ND	300	500	78.0
Lead	09/16/03	1.02	10	5.00	0.80
Magnesium	09/16/03	ND	NLE	1000	11.0
Manganese	09/16/03	ND	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.05
Nickel	09/16/03	ND	100	5.00	0.70
Potassium	09/16/03	1270	NLE	1000	25.0
Selenium	09/16/03	ND	50	20.0	4.80
Silver	09/16/03	ND	20	5.00	0.60
Sodium	09/16/03	1340	50000	5000	1160
Thallium	09/16/03	ND	10	10.0	1.90
Vanadium	09/16/03	ND	NLE	5.00	0.20
Zinc	09/16/03	2.43	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.
E = Estimated result. Over high standard

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 #: 30582
Sample Received: NA
Sample Matrix: Aqueous

Site: M2 Wells
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)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	09/22/03	62.0	200	200	21.8
Antimony	09/22/03	ND	20	20.0	3.70
Arsenic	09/22/03	ND	8	5.00	2.30
Barium	09/22/03	0.550	2000	5.00	0.50
Beryllium	09/22/03	ND	20	0.50	0.02
Cadmium	09/22/03	ND	4	2.00	0.40
Calcium	09/22/03	149	NLE	1000	65.0
Chromium	09/22/03	ND	100	5.00	1.00
Cobalt	09/22/03	ND	NLE	2.00	0.30
Copper	09/22/03	0.697	1000	5.00	0.30
Iron	09/22/03	ND	300	500	78.0
Lead	09/22/03	ND	10	5.00	0.80
Magnesium	09/22/03	14.8	NLE	1000	11.0
Manganese	09/22/03	ND	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.15
Nickel	09/22/03	ND	100	5.00	0.70
Potassium	09/22/03	670	NLE	1000	25.0
Selenium	09/22/03	ND	50	20.0	4.80
Silver	09/22/03	ND	20	5.00	0.60
Sodium	09/22/03	ND	50000	5000	1160
Thallium	09/22/03	ND	10	10.0	1.90
Vanadium	09/22/03	ND	NLE	5.00	0.20
Zinc	09/22/03	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.
E = Estimated result. Over high standard

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 #: 30584
Sample Received: NA
Sample Matrix: Aqueous

Site: M2 Wells
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)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	09/22/03	62.0	200	200	21.8
Antimony	09/22/03	ND	20	20.0	3.70
Arsenic	09/22/03	ND	8	5.00	2.30
Barium	09/22/03	0.550	2000	5.00	0.50
Beryllium	09/22/03	ND	20	0.50	0.02
Cadmium	09/22/03	ND	4	2.00	0.40
Calcium	09/22/03	149	NLE	1000	65.0
Chromium	09/22/03	ND	100	5.00	1.00
Cobalt	09/22/03	ND	NLE	2.00	0.30
Copper	09/22/03	0.697	1000	5.00	0.30
Iron	09/22/03	ND	300	500	78.0
Lead	09/22/03	ND	10	5.00	0.80
Magnesium	09/22/03	14.8	NLE	1000	11.0
Manganese	09/22/03	ND	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.15
Nickel	09/22/03	ND	100	5.00	0.70
Potassium	09/22/03	ND	NLE	1000	25.0
Selenium	09/22/03	ND	50	20.0	4.80
Silver	09/22/03	ND	20	5.00	0.60
Sodium	09/22/03	ND	50000	5000	1160
Thallium	09/22/03	ND	10	10.0	1.90
Vanadium	09/22/03	ND	NLE	5.00	0.20
Zinc	09/22/03	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.
E = Estimated result. Over high standard

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 #: 30585
Sample Received: NA
Sample Matrix: Aqueous

Site: M2 Wells
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)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	10/06/03	ND	200	200	21.8
Antimony	10/06/03	ND	20	20.0	3.70
Arsenic	10/06/03	3.20	8	5.00	2.30
Barium	10/06/03	ND	2000	5.00	0.50
Beryllium	10/06/03	0.030	20	0.50	0.02
Cadmium	10/06/03	ND	4	2.00	0.40
Calcium	10/06/03	ND	NLE	1000	65.0
Chromium	10/06/03	ND	100	5.00	1.00
Cobalt	10/06/03	ND	NLE	2.00	0.30
Copper	10/06/03	ND	1000	5.00	0.30
Iron	10/06/03	ND	300	500	78.0
Lead	10/06/03	ND	10	5.00	0.80
Magnesium	10/06/03	ND	NLE	1000	11.0
Manganese	10/06/03	ND	50	5.00	0.90
Mercury	09/30/03	ND	2	0.50	0.15
Nickel	10/06/03	ND	100	5.00	0.70
Potassium	10/06/03	740	NLE	1000	25.0
Selenium	10/06/03	ND	50	20.0	4.80
Silver	10/06/03	ND	20	5.00	0.60
Sodium	10/06/03	ND	50000	5000	1160
Thallium	10/06/03	ND	10	10.0	1.90
Vanadium	10/06/03	ND	NLE	5.00	0.20
Zinc	10/06/03	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.
E = Estimated result. Over high standard

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 #: 3058102
Sample Received: 09/09/03
Sample Matrix: Aqueous

Site: M2 Wells
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)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	09/16/03	ND	200	200	21.8
Antimony	09/16/03	4.76	20	20.0	3.70
Arsenic	09/16/03	ND	8	5.00	2.30
Barium	09/16/03	ND	2000	5.00	0.50
Beryllium	09/16/03	0.057	20	0.50	0.02
Cadmium	09/16/03	ND	4	2.00	0.40
Calcium	09/16/03	ND	NLE	1000	65.0
Chromium	09/16/03	ND	100	5.00	1.00
Cobalt	09/16/03	ND	NLE	2.00	0.30
Copper	09/16/03	ND	1000	5.00	0.30
Iron	09/16/03	ND	300	500	78.0
Lead	09/16/03	ND	10	5.00	0.80
Magnesium	09/16/03	ND	NLE	1000	11.0
Manganese	09/16/03	ND	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.05
Nickel	09/16/03	ND	100	5.00	0.70
Potassium	09/16/03	276	NLE	1000	25.0
Selenium	09/16/03	ND	50	20.0	4.80
Silver	09/16/03	ND	20	5.00	0.60
Sodium	09/16/03	1780	50000	5000	1160
Thallium	09/16/03	ND	10	10.0	1.90
Vanadium	09/16/03	ND	NLE	5.00	0.20
Zinc	09/16/03	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.
E = Estimated result. Over high standard

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 #: 3058202
Sample Received: 09/10/03
Sample Matrix: Aqueous

Site: M2 Wells
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)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	09/22/03	ND	200	200	21.8
Antimony	09/22/03	ND	20	20.0	3.70
Arsenic	09/22/03	ND	8	5.00	2.30
Barium	09/22/03	ND	2000	5.00	0.50
Beryllium	09/22/03	ND	20	0.50	0.02
Cadmium	09/22/03	ND	4	2.00	0.40
Calcium	09/22/03	ND	NLE	1000	65.0
Chromium	09/22/03	ND	100	5.00	1.00
Cobalt	09/22/03	ND	NLE	2.00	0.30
Copper	09/22/03	ND	1000	5.00	0.30
Iron	09/22/03	ND	300	500	78.0
Lead	09/22/03	ND	10	5.00	0.80
Magnesium	09/22/03	ND	NLE	1000	11.0
Manganese	09/22/03	ND	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.15
Nickel	09/22/03	ND	100	5.00	0.70
Potassium	09/22/03	509	NLE	1000	25.0
Selenium	09/22/03	ND	50	20.0	4.80
Silver	09/22/03	ND	20	5.00	0.60
Sodium	09/22/03	ND	50000	5000	1160
Thallium	09/22/03	ND	10	10.0	1.90
Vanadium	09/22/03	ND	NLE	5.00	0.20
Zinc	09/22/03	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.
E = Estimated result. Over high standard

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 #: 3058402
Sample Received: 09/11/03
Sample Matrix: Aqueous

Site: M2 Wells
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)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	09/22/03	27.9	200	200	21.8
Antimony	09/22/03	ND	20	20.0	3.70
Arsenic	09/22/03	ND	8	5.00	2.30
Barium	09/22/03	15.3	2000	5.00	0.50
Beryllium	09/22/03	ND	20	0.50	0.02
Cadmium	09/22/03	ND	4	2.00	0.40
Calcium	09/22/03	ND	NLE	1000	65.0
Chromium	09/22/03	15.9	100	5.00	1.00
Cobalt	09/22/03	ND	NLE	2.00	0.30
Copper	09/22/03	131	1000	5.00	0.30
Iron	09/22/03	127	300	500	78.0
Lead	09/22/03	ND	10	5.00	0.80
Magnesium	09/22/03	ND	NLE	1000	11.0
Manganese	09/22/03	ND	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.15
Nickel	09/22/03	20.8	100	5.00	0.70
Potassium	09/22/03	198	NLE	1000	25.0
Selenium	09/22/03	ND	50	20.0	4.80
Silver	09/22/03	ND	20	5.00	0.60
Sodium	09/22/03	ND	50000	5000	1160
Thallium	09/22/03	ND	10	10.0	1.90
Vanadium	09/22/03	ND	NLE	5.00	0.20
Zinc	09/22/03	12.1	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.
E = Estimated result. Over high standard

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 #: 3058502
Sample Received: 09/15/03
Sample Matrix: Aqueous

Site: M2 Wells
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)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	09/29/03	39.2	200	200	21.8
Antimony	09/29/03	ND	20	20.0	3.70
Arsenic	09/29/03	ND	8	5.00	2.30
Barium	09/29/03	ND	2000	5.00	0.50
Beryllium	09/29/03	0.045	20	0.50	0.02
Cadmium	09/29/03	ND	4	2.00	0.40
Calcium	09/29/03	158	NLE	1000	65.0
Chromium	09/29/03	ND	100	5.00	1.00
Cobalt	09/29/03	ND	NLE	2.00	0.30
Copper	09/29/03	ND	1000	5.00	0.30
Iron	09/29/03	ND	300	500	78.0
Lead	09/29/03	ND	10	5.00	0.80
Magnesium	09/29/03	ND	NLE	1000	11.0
Manganese	09/29/03	ND	50	5.00	0.90
Mercury	09/30/03	ND	2	0.50	0.15
Nickel	09/29/03	ND	100	5.00	0.70
Potassium	09/29/03	529	NLE	1000	25.0
Selenium	09/29/03	ND	50	20.0	4.80
Silver	09/29/03	ND	20	5.00	0.60
Sodium	09/29/03	ND	50000	5000	1160
Thallium	09/29/03	ND	10	10.0	1.90
Vanadium	09/29/03	ND	NLE	5.00	0.20
Zinc	09/29/03	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.
E = Estimated result. Over high standard

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 #: 3058103
Sample Received: 09/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: Duplicate

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	09/16/03	211	200	200	21.8
Antimony	09/16/03	4.44	20	20.0	3.70
Arsenic	09/16/03	3.34	8	5.00	2.30
Barium	09/16/03	86.0	2000	5.00	0.50
Beryllium	09/16/03	0.088	20	0.50	0.02
Cadmium	09/16/03	1.97	4	2.00	0.40
Calcium	09/16/03	18300	NLE	1000	65.0
Chromium	09/16/03	1.21	100	5.00	1.00
Cobalt	09/16/03	1.84	NLE	2.00	0.30
Copper	09/16/03	102	1000	5.00	0.30
Iron	09/16/03	15800	300	500	78.0
Lead	09/16/03	14.5	10	5.00	0.80
Magnesium	09/16/03	2350	NLE	1000	11.0
Manganese	09/16/03	251	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.05
Nickel	09/16/03	16.9	100	5.00	0.70
Potassium	09/16/03	995	NLE	1000	25.0
Selenium	09/16/03	ND	50	20.0	4.80
Silver	09/16/03	ND	20	5.00	0.60
Sodium	09/16/03	21000	50000	5000	1160
Thallium	09/16/03	ND	10	10.0	1.90
Vanadium	09/16/03	0.957	NLE	5.00	0.20
Zinc	09/16/03	354	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.
E = Estimated result. Over high standard

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 #: 3058203
Sample Received: 09/10/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: Duplicate

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	09/22/03	1320	200	200	21.8
Antimony	09/22/03	ND	20	20.0	3.70
Arsenic	09/22/03	2.91	8	5.00	2.30
Barium	09/22/03	527	2000	5.00	0.50
Beryllium	09/22/03	0.283	20	0.50	0.02
Cadmium	09/22/03	2.89	4	2.00	0.40
Calcium	09/22/03	17700	NLE	1000	65.0
Chromium	09/22/03	14.1	100	5.00	1.00
Cobalt	09/22/03	ND	NLE	2.00	0.30
Copper	09/22/03	ND	1000	5.00	0.30
Iron	09/22/03	73100	300	500	78.0
Lead	09/22/03	3.05	10	5.00	0.80
Magnesium	09/22/03	3240	NLE	1000	11.0
Manganese	09/22/03	39.9	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.15
Nickel	09/22/03	1.69	100	5.00	0.70
Potassium	09/22/03	7180	NLE	1000	25.0
Selenium	09/22/03	ND	50	20.0	4.80
Silver	09/22/03	ND	20	5.00	0.60
Sodium	09/22/03	5120	50000	5000	1160
Thallium	09/22/03	1.97	10	10.0	1.90
Vanadium	09/22/03	6.40	NLE	5.00	0.20
Zinc	09/22/03	15.7	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.
E = Estimated result. Over high standard

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 #: 3058403
Sample Received: 09/11/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: Duplicate

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	09/22/03	307	200	200	21.8
Antimony	09/22/03	ND	20	20.0	3.70
Arsenic	09/22/03	4.55	8	5.00	2.30
Barium	09/22/03	27.0	2000	5.00	0.50
Beryllium	09/22/03	0.084	20	0.50	0.02
Cadmium	09/22/03	0.976	4	2.00	0.40
Calcium	09/22/03	9550	NLE	1000	65.0
Chromium	09/22/03	3.19	100	5.00	1.00
Cobalt	09/22/03	ND	NLE	2.00	0.30
Copper	09/22/03	ND	1000	5.00	0.30
Iron	09/22/03	24700	300	500	78.0
Lead	09/22/03	ND	10	5.00	0.80
Magnesium	09/22/03	4220	NLE	1000	11.0
Manganese	09/22/03	190	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.15
Nickel	09/22/03	ND	100	5.00	0.70
Potassium	09/22/03	1210	NLE	1000	25.0
Selenium	09/22/03	ND	50	20.0	4.80
Silver	09/22/03	ND	20	5.00	0.60
Sodium	09/22/03	13300	50000	5000	1160
Thallium	09/22/03	ND	10	10.0	1.90
Vanadium	09/22/03	2.89	NLE	5.00	0.20
Zinc	09/22/03	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.
E = Estimated result. Over high standard

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 #: 3058503
Sample Received: 09/15/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: Duplicate

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	09/29/03	537	200	200	21.8
Antimony	09/29/03	ND	20	20.0	3.70
Arsenic	09/29/03	3.05	8	5.00	2.30
Barium	09/29/03	86.3	2000	5.00	0.50
Beryllium	09/29/03	0.367	20	0.50	0.02
Cadmium	09/29/03	1.39	4	2.00	0.40
Calcium	09/29/03	8590	NLE	1000	65.0
Chromium	09/29/03	4.41	100	5.00	1.00
Cobalt	09/29/03	2.20	NLE	2.00	0.30
Copper	09/29/03	1.45	1000	5.00	0.30
Iron	09/29/03	1440	300	500	78.0
Lead	09/29/03	ND	10	5.00	0.80
Magnesium	09/29/03	1960	NLE	1000	11.0
Manganese	09/29/03	54.7	50	5.00	0.90
Mercury	09/30/03	ND	2	0.50	0.05
Nickel	09/29/03	8.58	100	5.00	0.70
Potassium	09/29/03	5720	NLE	1000	25.0
Selenium	09/29/03	ND	50	20.0	4.80
Silver	09/29/03	ND	20	5.00	0.60
Sodium	09/29/03	1280	50000	5000	1160
Thallium	09/29/03	ND	10	10.0	1.90
Vanadium	09/29/03	1.73	NLE	5.00	0.20
Zinc	09/29/03	876	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.
E = Estimated result. Over high standard

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 #: 3058504
Sample Received: 09/15/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW01

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	09/29/03	486	200	200	21.8
Antimony	09/29/03	ND	20	20.0	3.70
Arsenic	09/29/03	ND	8	5.00	2.30
Barium	09/29/03	86.3	2000	5.00	0.50
Beryllium	09/29/03	0.347	20	0.50	0.02
Cadmium	09/29/03	1.38	4	2.00	0.40
Calcium	09/29/03	8610	NLE	1000	65.0
Chromium	09/29/03	3.60	100	5.00	1.00
Cobalt	09/29/03	2.28	NLE	2.00	0.30
Copper	09/29/03	1.97	1000	5.00	0.30
Iron	09/29/03	1300	300	500	78.0
Lead	09/29/03	ND	10	5.00	0.80
Magnesium	09/29/03	1950	NLE	1000	11.0
Manganese	09/29/03	55.0	50	5.00	0.90
Mercury	09/30/03	ND	2	0.50	0.050
Nickel	09/29/03	9.58	100	5.00	0.70
Potassium	09/29/03	5610	NLE	1000	25.0
Selenium	09/29/03	ND	50	20.0	4.80
Silver	09/29/03	ND	20	5.00	0.60
Sodium	09/29/03	1330	50000	5000	1160
Thallium	09/29/03	ND	10	10.0	1.90
Vanadium	09/29/03	1.62	NLE	5.00	0.20
Zinc	09/29/03	890	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.
E = Estimated result. Over high standard

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 #: 3058207
Sample Received: 09/10/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW02

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	09/22/03	67.3	200	200	21.8
Antimony	09/22/03	ND	20	20.0	3.70
Arsenic	09/22/03	ND	8	5.00	2.30
Barium	09/22/03	362	2000	5.00	0.50
Beryllium	09/22/03	ND	20	0.50	0.02
Cadmium	09/22/03	1.90	4	2.00	0.40
Calcium	09/22/03	77500	NLE	1000	65.0
Chromium	09/22/03	1.20	100	5.00	1.00
Cobalt	09/22/03	ND	NLE	2.00	0.30
Copper	09/22/03	ND	1000	5.00	0.30
Iron	09/22/03	45200	300	500	78.0
Lead	09/22/03	ND	10	5.00	0.80
Magnesium	09/22/03	13000	NLE	1000	11.0
Manganese	09/22/03	310	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.15
Nickel	09/22/03	ND	100	5.00	0.70
Potassium	09/22/03	8580	NLE	1000	25.0
Selenium	09/22/03	ND	50	20.0	4.80
Silver	09/22/03	ND	20	5.00	0.60
Sodium	09/22/03	9760	50000	5000	1160
Thallium	09/22/03	ND	10	10.0	1.90
Vanadium	09/22/03	1.67	NLE	5.00	0.20
Zinc	09/22/03	6.73	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.
E = Estimated result. Over high standard

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 #: 3058408
Sample Received: 09/11/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW03

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	09/22/03	226	200	200	21.8
Antimony	09/22/03	ND	20	20.0	3.70
Arsenic	09/22/03	ND	8	5.00	2.30
Barium	09/22/03	93.6	2000	5.00	0.50
Beryllium	09/22/03	0.022	20	0.50	0.02
Cadmium	09/22/03	0.610	4	2.00	0.40
Calcium	09/22/03	65700	NLE	1000	65.0
Chromium	09/22/03	ND	100	5.00	1.00
Cobalt	09/22/03	ND	NLE	2.00	0.30
Copper	09/22/03	ND	1000	5.00	0.30
Iron	09/22/03	13400	300	500	78.0
Lead	09/22/03	ND	10	5.00	0.80
Magnesium	09/22/03	6780	NLE	1000	11.0
Manganese	09/22/03	250	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.15
Nickel	09/22/03	ND	100	5.00	0.70
Potassium	09/22/03	8270	NLE	1000	25.0
Selenium	09/22/03	ND	50	20.0	4.80
Silver	09/22/03	ND	20	5.00	0.60
Sodium	09/22/03	10100	50000	5000	1160
Thallium	09/22/03	ND	10	10.0	1.90
Vanadium	09/22/03	0.455	NLE	5.00	0.20
Zinc	09/22/03	5.83	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
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R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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 #: 3058211
Sample Received: 09/10/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW04

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	09/22/03	140	200	200	21.8
Antimony	09/22/03	ND	20	20.0	3.70
Arsenic	09/22/03	ND	8	5.00	2.30
Barium	09/22/03	233	2000	5.00	0.50
Beryllium	09/22/03	0.087	20	0.50	0.02
Cadmium	09/22/03	1.88	4	2.00	0.40
Calcium	09/22/03	29200	NLE	1000	65.0
Chromium	09/22/03	1.76	100	5.00	1.00
Cobalt	09/22/03	ND	NLE	2.00	0.30
Copper	09/22/03	54.5	1000	5.00	0.30
Iron	09/22/03	41600	300	500	78.0
Lead	09/22/03	ND	10	5.00	0.80
Magnesium	09/22/03	3730	NLE	1000	11.0
Manganese	09/22/03	296	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.15
Nickel	09/22/03	ND	100	5.00	0.70
Potassium	09/22/03	9510	NLE	1000	25.0
Selenium	09/22/03	ND	50	20.0	4.80
Silver	09/22/03	ND	20	5.00	0.60
Sodium	09/22/03	9190	50000	5000	1160
Thallium	09/22/03	ND	10	10.0	1.90
Vanadium	09/22/03	1.48	NLE	5.00	0.20
Zinc	09/22/03	54.7	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
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R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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 #: 3058208
Sample Received: 09/10/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW05

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	09/22/03	1800	200	200	21.8
Antimony	09/22/03	ND	20	20.0	3.70
Arsenic	09/22/03	13.1	8	5.00	2.30
Barium	09/22/03	830	2000	5.00	0.50
Beryllium	09/22/03	0.390	20	0.50	0.02
Cadmium	09/22/03	4.44	4	2.00	0.40
Calcium	09/22/03	18700	NLE	1000	65.0
Chromium	09/22/03	18.8	100	5.00	1.00
Cobalt	09/22/03	ND	NLE	2.00	0.30
Copper	09/22/03	ND	1000	5.00	0.30
Iron	09/22/03	108000 E	300	500	78.0
Lead	09/22/03	5.69	10	5.00	0.80
Magnesium	09/22/03	3440	NLE	1000	11.0
Manganese	09/22/03	44.8	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.15
Nickel	09/22/03	1.95	100	5.00	0.70
Potassium	09/22/03	7250	NLE	1000	25.0
Selenium	09/22/03	ND	50	20.0	4.80
Silver	09/22/03	ND	20	5.00	0.60
Sodium	09/22/03	5640	50000	5000	1160
Thallium	09/22/03	ND	10	10.0	1.90
Vanadium	09/22/03	8.84	NLE	5.00	0.20
Zinc	09/22/03	23.0	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
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R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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 #: 3057702
Sample Received: 09/08/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW06

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	09/15/03	1280	200	200	21.8
Antimony	09/15/03	ND	20	20.0	3.70
Arsenic	09/15/03	9.40	8	5.00	2.30
Barium	09/15/03	107	2000	5.00	0.50
Beryllium	09/15/03	0.215	20	0.50	0.02
Cadmium	09/15/03	1.39	4	2.00	0.40
Calcium	09/15/03	45100	NLE	1000	65.0
Chromium	09/15/03	16.4	100	5.00	1.00
Cobalt	09/15/03	ND	NLE	2.00	0.30
Copper	09/15/03	13.3	1000	5.00	0.30
Iron	09/15/03	20600	300	500	78.0
Lead	09/15/03	11.7	10	5.00	0.80
Magnesium	09/15/03	5780	NLE	1000	11.0
Manganese	09/15/03	57.3	50	5.00	0.90
Mercury	09/16/03	ND	2	0.50	0.15
Nickel	09/15/03	6.24	100	5.00	0.70
Potassium	09/15/03	7190	NLE	1000	25.0
Selenium	09/15/03	ND	50	20.0	4.80
Silver	09/15/03	ND	20	5.00	0.60
Sodium	09/15/03	7150	50000	5000	1160
Thallium	09/15/03	ND	10	10.0	1.90
Vanadium	09/15/03	6.70	NLE	5.00	0.20
Zinc	09/15/03	77.8	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.
E = Estimated result. Over high standard

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 #: 3058209
Sample Received: 09/10/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW07

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	09/22/03	1580	200	200	21.8
Antimony	09/22/03	ND	20	20.0	3.70
Arsenic	09/22/03	ND	8	5.00	2.30
Barium	09/22/03	86.7	2000	5.00	0.50
Beryllium	09/22/03	0.351	20	0.50	0.02
Cadmium	09/22/03	1.10	4	2.00	0.40
Calcium	09/22/03	47500	NLE	1000	65.0
Chromium	09/22/03	17.0	100	5.00	1.00
Cobalt	09/22/03	0.975	NLE	2.00	0.30
Copper	09/22/03	1.37	1000	5.00	0.30
Iron	09/22/03	15500	300	500	78.0
Lead	09/22/03	2.92	10	5.00	0.80
Magnesium	09/22/03	5740	NLE	1000	11.0
Manganese	09/22/03	56.4	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.15
Nickel	09/22/03	3.36	100	5.00	0.70
Potassium	09/22/03	5380	NLE	1000	25.0
Selenium	09/22/03	ND	50	20.0	4.80
Silver	09/22/03	ND	20	5.00	0.60
Sodium	09/22/03	7820	50000	5000	1160
Thallium	09/22/03	ND	10	10.0	1.90
Vanadium	09/22/03	7.74	NLE	5.00	0.20
Zinc	09/22/03	31.5	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.
E = Estimated result. Over high standard

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 #: 3058210
Sample Received: 09/10/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW08

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	09/22/03	299	200	200	21.8
Antimony	09/22/03	ND	20	20.0	3.70
Arsenic	09/22/03	ND	8	5.00	2.30
Barium	09/22/03	114	2000	5.00	0.50
Beryllium	09/22/03	0.073	20	0.50	0.02
Cadmium	09/22/03	1.29	4	2.00	0.40
Calcium	09/22/03	40600	NLE	1000	65.0
Chromium	09/22/03	2.74	100	5.00	1.00
Cobalt	09/22/03	ND	NLE	2.00	0.30
Copper	09/22/03	ND	1000	5.00	0.30
Iron	09/22/03	31500	300	500	78.0
Lead	09/22/03	0.942	10	5.00	0.80
Magnesium	09/22/03	5180	NLE	1000	11.0
Manganese	09/22/03	42.0	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.15
Nickel	09/22/03	ND	100	5.00	0.70
Potassium	09/22/03	6890	NLE	1000	25.0
Selenium	09/22/03	ND	50	20.0	4.80
Silver	09/22/03	ND	20	5.00	0.60
Sodium	09/22/03	7910	50000	5000	1160
Thallium	09/22/03	ND	10	10.0	1.90
Vanadium	09/22/03	1.25	NLE	5.00	0.20
Zinc	09/22/03	6.91	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.
E = Estimated result. Over high standard

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 #: 3057701
Sample Received: 09/08/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW09

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	09/15/03	848	200	200	21.8
Antimony	09/15/03	ND	20	20.0	3.70
Arsenic	09/15/03	ND	8	5.00	2.30
Barium	09/15/03	241	2000	5.00	0.50
Beryllium	09/15/03	0.226	20	0.50	0.02
Cadmium	09/15/03	3.35	4	2.00	0.40
Calcium	09/15/03	52900	NLE	1000	65.0
Chromium	09/15/03	9.98	100	5.00	1.00
Cobalt	09/15/03	ND	NLE	2.00	0.30
Copper	09/15/03	4.05	1000	5.00	0.30
Iron	09/15/03	33800	300	500	78.0
Lead	09/15/03	3.60	10	5.00	0.80
Magnesium	09/15/03	5090	NLE	1000	11.0
Manganese	09/15/03	1430	50	5.00	0.90
Mercury	09/16/03	ND	2	0.50	0.15
Nickel	09/15/03	1.55	100	5.00	0.70
Potassium	09/15/03	7060	NLE	1000	25.0
Selenium	09/15/03	ND	50	20.0	4.80
Silver	09/15/03	ND	20	5.00	0.60
Sodium	09/15/03	7320	50000	5000	1160
Thallium	09/15/03	ND	10	10.0	1.90
Vanadium	09/15/03	5.09	NLE	5.00	0.20
Zinc	09/15/03	166	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.
E = Estimated result. Over high standard

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 #: 3058409
Sample Received: 09/11/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW10

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	09/22/03	1050	200	200	21.8
Antimony	09/22/03	ND	20	20.0	3.70
Arsenic	09/22/03	2.85	8	5.00	2.30
Barium	09/22/03	39.6	2000	5.00	0.50
Beryllium	09/22/03	0.299	20	0.50	0.02
Cadmium	09/22/03	ND	4	2.00	0.40
Calcium	09/22/03	42300	NLE	1000	65.0
Chromium	09/22/03	11.1	100	5.00	1.00
Cobalt	09/22/03	ND	NLE	2.00	0.30
Copper	09/22/03	0.315	1000	5.00	0.30
Iron	09/22/03	6090	300	500	78.0
Lead	09/22/03	ND	10	5.00	0.80
Magnesium	09/22/03	3380	NLE	1000	11.0
Manganese	09/22/03	41.4	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.15
Nickel	09/22/03	1.04	100	5.00	0.70
Potassium	09/22/03	5650	NLE	1000	25.0
Selenium	09/22/03	ND	50	20.0	4.80
Silver	09/22/03	ND	20	5.00	0.60
Sodium	09/22/03	7280	50000	5000	1160
Thallium	09/22/03	2.60	10	10.0	1.90
Vanadium	09/22/03	6.54	NLE	5.00	0.20
Zinc	09/22/03	15.7	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.
E = Estimated result. Over high standard

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 #: 3058505
Sample Received: 09/15/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW11

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	09/29/03	27.0	200	200	21.8
Antimony	09/29/03	ND	20	20.0	3.70
Arsenic	09/29/03	2.81	8	5.00	2.30
Barium	09/29/03	28.1	2000	5.00	0.50
Beryllium	09/29/03	ND	20	0.50	0.02
Cadmium	09/29/03	ND	4	2.00	0.40
Calcium	09/29/03	32500	NLE	1000	65.0
Chromium	09/29/03	ND	100	5.00	1.00
Cobalt	09/29/03	ND	NLE	2.00	0.30
Copper	09/29/03	0.913	1000	5.00	0.30
Iron	09/29/03	217	300	500	78.0
Lead	09/29/03	ND	10	5.00	0.80
Magnesium	09/29/03	3560	NLE	1000	11.0
Manganese	09/29/03	6.13	50	5.00	0.90
Mercury	09/30/03	ND	2	0.50	0.050
Nickel	09/29/03	ND	100	5.00	0.70
Potassium	09/29/03	5260	NLE	1000	25.0
Selenium	09/29/03	ND	50	20.0	4.80
Silver	09/29/03	ND	20	5.00	0.60
Sodium	09/29/03	3570	50000	5000	1160
Thallium	09/29/03	ND	10	10.0	1.90
Vanadium	09/29/03	ND	NLE	5.00	0.20
Zinc	09/29/03	4.30	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.
E = Estimated result. Over high standard

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 #: 3058506
Sample Received: 09/15/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW12

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	09/29/03	ND	200	200	21.8
Antimony	09/29/03	ND	20	20.0	3.70
Arsenic	09/29/03	ND	8	5.00	2.30
Barium	09/29/03	30.8	2000	5.00	0.50
Beryllium	09/29/03	ND	20	0.50	0.02
Cadmium	09/29/03	ND	4	2.00	0.40
Calcium	09/29/03	33600	NLE	1000	65.0
Chromium	09/29/03	ND	100	5.00	1.00
Cobalt	09/29/03	ND	NLE	2.00	0.30
Copper	09/29/03	12.7	1000	5.00	0.30
Iron	09/29/03	222	300	500	78.0
Lead	09/29/03	ND	10	5.00	0.80
Magnesium	09/29/03	3730	NLE	1000	11.0
Manganese	09/29/03	8.59	50	5.00	0.90
Mercury	09/30/03	ND	2	0.50	0.050
Nickel	09/29/03	ND	100	5.00	0.70
Potassium	09/29/03	5360	NLE	1000	25.0
Selenium	09/29/03	ND	50	20.0	4.80
Silver	09/29/03	ND	20	5.00	0.60
Sodium	09/29/03	3670	50000	5000	1160
Thallium	09/29/03	ND	10	10.0	1.90
Vanadium	09/29/03	ND	NLE	5.00	0.20
Zinc	09/29/03	4.05	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.
E = Estimated result. Over high standard

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 #: 3058406
Sample Received: 09/11/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW13

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	09/22/03	224	200	200	21.8
Antimony	09/22/03	ND	20	20.0	3.70
Arsenic	09/22/03	ND	8	5.00	2.30
Barium	09/22/03	171	2000	5.00	0.50
Beryllium	09/22/03	0.040	20	0.50	0.02
Cadmium	09/22/03	0.933	4	2.00	0.40
Calcium	09/22/03	26300	NLE	1000	65.0
Chromium	09/22/03	ND	100	5.00	1.00
Cobalt	09/22/03	ND	NLE	2.00	0.30
Copper	09/22/03	ND	1000	5.00	0.30
Iron	09/22/03	23700	300	500	78.0
Lead	09/22/03	ND	10	5.00	0.80
Magnesium	09/22/03	2930	NLE	1000	11.0
Manganese	09/22/03	113	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.15
Nickel	09/22/03	ND	100	5.00	0.70
Potassium	09/22/03	6460	NLE	1000	25.0
Selenium	09/22/03	ND	50	20.0	4.80
Silver	09/22/03	ND	20	5.00	0.60
Sodium	09/22/03	12700	50000	5000	1160
Thallium	09/22/03	ND	10	10.0	1.90
Vanadium	09/22/03	0.620	NLE	5.00	0.20
Zinc	09/22/03	2.28	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
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R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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 #: 3058405
Sample Received: 09/11/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW14

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	09/22/03	312	200	200	21.8
Antimony	09/22/03	ND	20	20.0	3.70
Arsenic	09/22/03	4.94	8	5.00	2.30
Barium	09/22/03	27.9	2000	5.00	0.50
Beryllium	09/22/03	0.091	20	0.50	0.02
Cadmium	09/22/03	1.13	4	2.00	0.40
Calcium	09/22/03	9640	NLE	1000	65.0
Chromium	09/22/03	3.43	100	5.00	1.00
Cobalt	09/22/03	ND	NLE	2.00	0.30
Copper	09/22/03	ND	1000	5.00	0.30
Iron	09/22/03	27200	300	500	78.0
Lead	09/22/03	ND	10	5.00	0.80
Magnesium	09/22/03	4280	NLE	1000	11.0
Manganese	09/22/03	193	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.15
Nickel	09/22/03	ND	100	5.00	0.70
Potassium	09/22/03	1420	NLE	1000	25.0
Selenium	09/22/03	ND	50	20.0	4.80
Silver	09/22/03	ND	20	5.00	0.60
Sodium	09/22/03	13000	50000	5000	1160
Thallium	09/22/03	ND	10	10.0	1.90
Vanadium	09/22/03	3.36	NLE	5.00	0.20
Zinc	09/22/03	ND	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
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R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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 #: 3058404
Sample Received: 09/11/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW15

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	09/22/03	144	200	200	21.8
Antimony	09/22/03	ND	20	20.0	3.70
Arsenic	09/22/03	3.73	8	5.00	2.30
Barium	09/22/03	29.1	2000	5.00	0.50
Beryllium	09/22/03	0.121	20	0.50	0.02
Cadmium	09/22/03	ND	4	2.00	0.40
Calcium	09/22/03	24200	NLE	1000	65.0
Chromium	09/22/03	1.01	100	5.00	1.00
Cobalt	09/22/03	0.853	NLE	2.00	0.30
Copper	09/22/03	1.57	1000	5.00	0.30
Iron	09/22/03	6940	300	500	78.0
Lead	09/22/03	ND	10	5.00	0.80
Magnesium	09/22/03	3950	NLE	1000	11.0
Manganese	09/22/03	68.5	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.15
Nickel	09/22/03	3.12	100	5.00	0.70
Potassium	09/22/03	1220	NLE	1000	25.0
Selenium	09/22/03	ND	50	20.0	4.80
Silver	09/22/03	ND	20	5.00	0.60
Sodium	09/22/03	11200	50000	5000	1160
Thallium	09/22/03	ND	10	10.0	1.90
Vanadium	09/22/03	3.79	NLE	5.00	0.20
Zinc	09/22/03	20.1	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
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R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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 #: 3058104
Sample Received: 09/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW16

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	09/16/03	169	200	200	21.8
Antimony	09/16/03	ND	20	20.0	3.70
Arsenic	09/16/03	3.40	8	5.00	2.30
Barium	09/16/03	86.9	2000	5.00	0.50
Beryllium	09/16/03	0.057	20	0.50	0.02
Cadmium	09/16/03	1.73	4	2.00	0.40
Calcium	09/16/03	18400	NLE	1000	65.0
Chromium	09/16/03	43.2	100	5.00	1.00
Cobalt	09/16/03	2.38	NLE	2.00	0.30
Copper	09/16/03	85.6	1000	5.00	0.30
Iron	09/16/03	14500	300	500	78.0
Lead	09/16/03	10.8	10	5.00	0.80
Magnesium	09/16/03	2340	NLE	1000	11.0
Manganese	09/16/03	283	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.05
Nickel	09/16/03	43.0	100	5.00	0.70
Potassium	09/16/03	1040	NLE	1000	25.0
Selenium	09/16/03	ND	50	20.0	4.80
Silver	09/16/03	ND	20	5.00	0.60
Sodium	09/16/03	21000	50000	5000	1160
Thallium	09/16/03	ND	10	10.0	1.90
Vanadium	09/16/03	0.665	NLE	5.00	0.20
Zinc	09/16/03	356	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.
E = Estimated result. Over high standard

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 #: 3058204
Sample Received: 09/10/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW17

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	09/22/03	423	200	200	21.8
Antimony	09/22/03	ND	20	20.0	3.70
Arsenic	09/22/03	ND	8	5.00	2.30
Barium	09/22/03	73.5	2000	5.00	0.50
Beryllium	09/22/03	0.382	20	0.50	0.02
Cadmium	09/22/03	0.537	4	2.00	0.40
Calcium	09/22/03	12700	NLE	1000	65.0
Chromium	09/22/03	1.39	100	5.00	1.00
Cobalt	09/22/03	2.00	NLE	2.00	0.30
Copper	09/22/03	1.01	1000	5.00	0.30
Iron	09/22/03	675	300	500	78.0
Lead	09/22/03	ND	10	5.00	0.80
Magnesium	09/22/03	4120	NLE	1000	11.0
Manganese	09/22/03	29.8	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.15
Nickel	09/22/03	5.12	100	5.00	0.70
Potassium	09/22/03	2360	NLE	1000	25.0
Selenium	09/22/03	ND	50	20.0	4.80
Silver	09/22/03	ND	20	5.00	0.60
Sodium	09/22/03	9560	50000	5000	1160
Thallium	09/22/03	ND	10	10.0	1.90
Vanadium	09/22/03	0.521	NLE	5.00	0.20
Zinc	09/22/03	39.5	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.
E = Estimated result. Over high standard

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 #: 3058205
Sample Received: 09/10/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW18

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	09/22/03	44.6	200	200	21.8
Antimony	09/22/03	ND	20	20.0	3.70
Arsenic	09/22/03	ND	8	5.00	2.30
Barium	09/22/03	77.3	2000	5.00	0.50
Beryllium	09/22/03	0.039	20	0.50	0.02
Cadmium	09/22/03	0.874	4	2.00	0.40
Calcium	09/22/03	30200	NLE	1000	65.0
Chromium	09/22/03	ND	100	5.00	1.00
Cobalt	09/22/03	ND	NLE	2.00	0.30
Copper	09/22/03	ND	1000	5.00	0.30
Iron	09/22/03	20200	300	500	78.0
Lead	09/22/03	ND	10	5.00	0.80
Magnesium	09/22/03	5210	NLE	1000	11.0
Manganese	09/22/03	68.5	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.15
Nickel	09/22/03	ND	100	5.00	0.70
Potassium	09/22/03	7180	NLE	1000	25.0
Selenium	09/22/03	ND	50	20.0	4.80
Silver	09/22/03	ND	20	5.00	0.60
Sodium	09/22/03	6870	50000	5000	1160
Thallium	09/22/03	ND	10	10.0	1.90
Vanadium	09/22/03	ND	NLE	5.00	0.20
Zinc	09/22/03	1.77	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.
E = Estimated result. Over high standard

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 #: 3058507
Sample Received: 09/15/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW19

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	09/29/03	ND	200	200	21.8
Antimony	09/29/03	ND	20	20.0	3.70
Arsenic	09/29/03	4.81	8	5.00	2.30
Barium	09/29/03	29.2	2000	5.00	0.50
Beryllium	09/29/03	ND	20	0.50	0.02
Cadmium	09/29/03	ND	4	2.00	0.40
Calcium	09/29/03	34900	NLE	1000	65.0
Chromium	09/29/03	ND	100	5.00	1.00
Cobalt	09/29/03	ND	NLE	2.00	0.30
Copper	09/29/03	0.765	1000	5.00	0.30
Iron	09/29/03	309	300	500	78.0
Lead	09/29/03	ND	10	5.00	0.80
Magnesium	09/29/03	3070	NLE	1000	11.0
Manganese	09/29/03	25.1	50	5.00	0.90
Mercury	09/30/03	ND	2	0.50	0.050
Nickel	09/29/03	ND	100	5.00	0.70
Potassium	09/29/03	4810	NLE	1000	25.0
Selenium	09/29/03	4.92	50	20.0	4.80
Silver	09/29/03	ND	20	5.00	0.60
Sodium	09/29/03	4080	50000	5000	1160
Thallium	09/29/03	ND	10	10.0	1.90
Vanadium	09/29/03	ND	NLE	5.00	0.20
Zinc	09/29/03	10.7	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.
E = Estimated result. Over high standard

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 #: 3058508
Sample Received: 09/15/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW20

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	09/29/03	ND	200	200	21.8
Antimony	09/29/03	ND	20	20.0	3.70
Arsenic	09/29/03	3.10	8	5.00	2.30
Barium	09/29/03	28.5	2000	5.00	0.50
Beryllium	09/29/03	ND	20	0.50	0.02
Cadmium	09/29/03	ND	4	2.00	0.40
Calcium	09/29/03	33800	NLE	1000	65.0
Chromium	09/29/03	ND	100	5.00	1.00
Cobalt	09/29/03	ND	NLE	2.00	0.30
Copper	09/29/03	1.57	1000	5.00	0.30
Iron	09/29/03	509	300	500	78.0
Lead	09/29/03	ND	10	5.00	0.80
Magnesium	09/29/03	3520	NLE	1000	11.0
Manganese	09/29/03	31.0	50	5.00	0.90
Mercury	09/30/03	ND	2	0.50	0.050
Nickel	09/29/03	ND	100	5.00	0.70
Potassium	09/29/03	4750	NLE	1000	25.0
Selenium	09/29/03	ND	50	20.0	4.80
Silver	09/29/03	ND	20	5.00	0.60
Sodium	09/29/03	3480	50000	5000	1160
Thallium	09/29/03	ND	10	10.0	1.90
Vanadium	09/29/03	ND	NLE	5.00	0.20
Zinc	09/29/03	3.29	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.
E = Estimated result. Over high standard

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 #: 3058106
Sample Received: 09/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW21

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	09/16/03	87.6	200	200	21.8
Antimony	09/16/03	ND	20	20.0	3.70
Arsenic	09/16/03	ND	8	5.00	2.30
Barium	09/16/03	528	2000	5.00	0.50
Beryllium	09/16/03	0.025	20	0.50	0.02
Cadmium	09/16/03	2.00	4	2.00	0.40
Calcium	09/16/03	90300	NLE	1000	65.0
Chromium	09/16/03	1.14	100	5.00	1.00
Cobalt	09/16/03	ND	NLE	2.00	0.30
Copper	09/16/03	ND	1000	5.00	0.30
Iron	09/16/03	51100	300	500	78.0
Lead	09/16/03	2.49	10	5.00	0.80
Magnesium	09/16/03	6140	NLE	1000	11.0
Manganese	09/16/03	628	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.05
Nickel	09/16/03	ND	100	5.00	0.70
Potassium	09/16/03	4320	NLE	1000	25.0
Selenium	09/16/03	ND	50	20.0	4.80
Silver	09/16/03	ND	20	5.00	0.60
Sodium	09/16/03	21700	50000	5000	1160
Thallium	09/16/03	2.35	10	10.0	1.90
Vanadium	09/16/03	0.638	NLE	5.00	0.20
Zinc	09/16/03	61.5	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.
E = Estimated result. Over high standard

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 #: 3058206
Sample Received: 09/10/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW22

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	09/22/03	68.2	200	200	21.8
Antimony	09/22/03	ND	20	20.0	3.70
Arsenic	09/22/03	ND	8	5.00	2.30
Barium	09/22/03	117	2000	5.00	0.50
Beryllium	09/22/03	0.030	20	0.50	0.02
Cadmium	09/22/03	2.33	4	2.00	0.40
Calcium	09/22/03	42300	NLE	1000	65.0
Chromium	09/22/03	ND	100	5.00	1.00
Cobalt	09/22/03	ND	NLE	2.00	0.30
Copper	09/22/03	ND	1000	5.00	0.30
Iron	09/22/03	39000	300	500	78.0
Lead	09/22/03	ND	10	5.00	0.80
Magnesium	09/22/03	6340	NLE	1000	11.0
Manganese	09/22/03	100	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.15
Nickel	09/22/03	ND	100	5.00	0.70
Potassium	09/22/03	7740	NLE	1000	25.0
Selenium	09/22/03	ND	50	20.0	4.80
Silver	09/22/03	ND	20	5.00	0.60
Sodium	09/22/03	12100	50000	5000	1160
Thallium	09/22/03	ND	10	10.0	1.90
Vanadium	09/22/03	0.355	NLE	5.00	0.20
Zinc	09/22/03	4.43	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.
E = Estimated result. Over high standard

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 #: 3058407
Sample Received: 09/11/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW23

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	09/22/03	157	200	200	21.8
Antimony	09/22/03	ND	20	20.0	3.70
Arsenic	09/22/03	ND	8	5.00	2.30
Barium	09/22/03	165	2000	5.00	0.50
Beryllium	09/22/03	ND	20	0.50	0.02
Cadmium	09/22/03	0.472	4	2.00	0.40
Calcium	09/22/03	66700	NLE	1000	65.0
Chromium	09/22/03	1.33	100	5.00	1.00
Cobalt	09/22/03	ND	NLE	2.00	0.30
Copper	09/22/03	9.56	1000	5.00	0.30
Iron	09/22/03	10200	300	500	78.0
Lead	09/22/03	ND	10	5.00	0.80
Magnesium	09/22/03	16100	NLE	1000	11.0
Manganese	09/22/03	66.7	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.15
Nickel	09/22/03	8.35	100	5.00	0.70
Potassium	09/22/03	8780	NLE	1000	25.0
Selenium	09/22/03	ND	50	20.0	4.80
Silver	09/22/03	ND	20	5.00	0.60
Sodium	09/22/03	9460	50000	5000	1160
Thallium	09/22/03	ND	10	10.0	1.90
Vanadium	09/22/03	3.14	NLE	5.00	0.20
Zinc	09/22/03	10.7	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.
E = Estimated result. Over high standard

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 #: 3058105
Sample Received: 09/09/03
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: M2MW24

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	09/16/03	44.7	200	200	21.8
Antimony	09/16/03	ND	20	20.0	3.70
Arsenic	09/16/03	ND	8	5.00	2.30
Barium	09/16/03	313	2000	5.00	0.50
Beryllium	09/16/03	0.024	20	0.50	0.02
Cadmium	09/16/03	2.05	4	2.00	0.40
Calcium	09/16/03	59800	NLE	1000	65.0
Chromium	09/16/03	ND	100	5.00	1.00
Cobalt	09/16/03	ND	NLE	2.00	0.30
Copper	09/16/03	ND	1000	5.00	0.30
Iron	09/16/03	60600	300	500	78.0
Lead	09/16/03	2.25	10	5.00	0.80
Magnesium	09/16/03	5080	NLE	1000	11.0
Manganese	09/16/03	749	50	5.00	0.90
Mercury	09/24/03	ND	2	0.50	0.05
Nickel	09/16/03	ND	100	5.00	0.70
Potassium	09/16/03	3190	NLE	1000	25.0
Selenium	09/16/03	ND	50	20.0	4.80
Silver	09/16/03	ND	20	5.00	0.60
Sodium	09/16/03	11800	50000	5000	1160
Thallium	09/16/03	2.22	10	10.0	1.90
Vanadium	09/16/03	0.721	NLE	5.00	0.20
Zinc	09/16/03	3.85	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
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R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

	Lab	Aluminum	Iron	Manganese	Lead	Cadmium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	300	50	10	4	-				-
05/02/1997	FMETL	360	100	150	ND	-	5.60				V,S,P,M
08/06/1997	FMETL	236.3	400	128	ND	-	8.15				V,S,P,M
10/23/1997	FMETL	344	488	78	11	1.6	9.30				V,S,P,M
02/11/1998	FMETL	578	500	120	ND	3.5	5.15				V,S,P,M
04/23/1998	FMETL	239	233	73.1	ND	2.5	4.61				V,S,P,M
07/22/1998	FMETL	2480	7790	83.6	ND	2.5	7.12				V,S,P,M
11/06/1998	FMETL	402	1480	84.1	6.95	6.23	9.55				V,S,P,M
02/03/1999	FMETL	ND	1390	133	ND	3.27	7.02				V,S,P,M
06/15/1999	FMETL	561	698	84.3	ND	1.56	7.64				V,S,P,M
07/20/1999	FMETL	762	2420	94.4	ND	1.94	8.53				V,S,P,M
10/07/1999	FMETL	393	3170	83.5	4.10	1.53	7.97				V,S,P,M
03/07/2000	FMETL	840	1160	137	ND	3.31	6.99				V,S,P,M
06/27/2000	FMETL	255	148	82.4	ND	1.72	7.11				V,S,P,M
09/27/2000	FMETL	307	791	64.5	33.5	0.895	6.81				V,S,P,M
09/27/2000D	FMETL	320	732	62.2	5.74	0.790	6.81				V,S,P,M
12/20/2000	FMETL	567	1920	73.9	ND	1.45	7.59				V,S,P,M
12/20/2000D	FMETL	550	2130	73.8	ND	1.30	7.59				V,S,P,M
03/29/2001	FMETL	50.0	290	60.8	1.00	1.60	4.81				V,S,P,M
06/27/2001	FMETL	ND	293	74.2	ND	1.78	4.93				V,S,P,M
09/27/2001	FMETL	282	132	63.3	ND	1.25	9.12				V,S,P,M
12/14/2001	FMETL	364	799	71.9	8.46	1.28	9.96				V,S,P,M
03/27/2002	FMETL	472	91.3	125	ND	2.95	8.30				V,S,P,M
06/20/2002	FMETL	643	710	104	ND	2.36	8.62				V,S,P,M
09/24/2002	FMETL	1380	4930	82.7	1.85	1.88	9.01				V,S,P,M
12/30/2002	FMETL	286	143	63.5	ND	1.40	4.67				V,S,P,M
03/26/2003	FMETL	216	187	35.5	2.12	1.02	4.56				V,S,P,M
06/06/2003	FMETL	539	1240	35.8	ND	1.19	4.60				V,S,P,M
09/15/2003	FMETL	486	1300	55.0	ND	1.38	7.48				V,S,P,M

SOURCE: 00M2MW01

Sampling Dates:
05/02/1997 - 09/15/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 1 of 24

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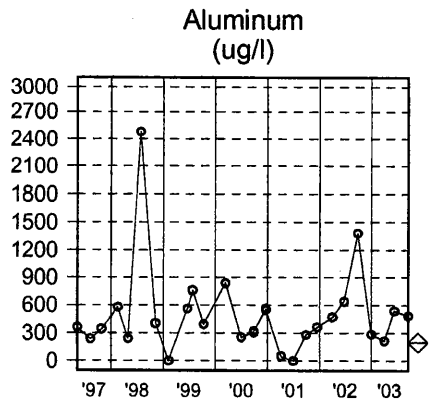
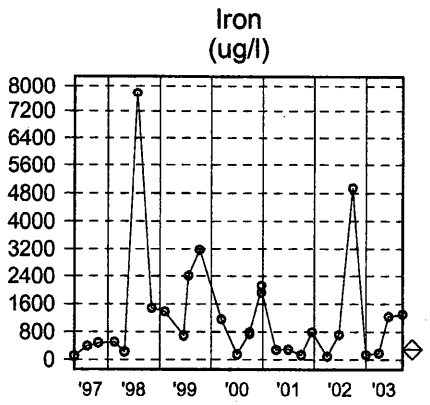
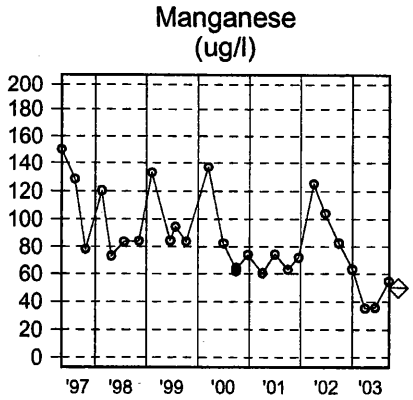
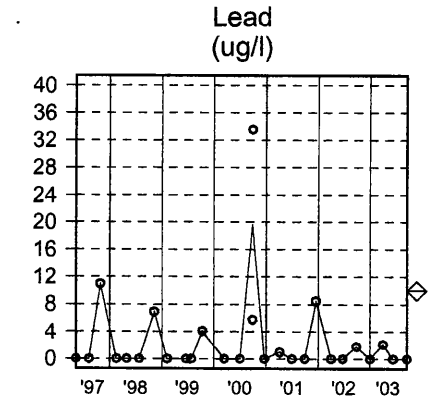
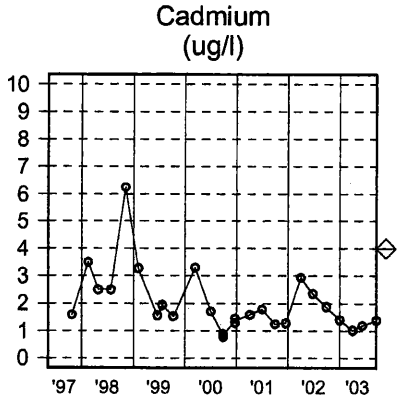
FORT MONMOUTH
SELFM-PW-EV

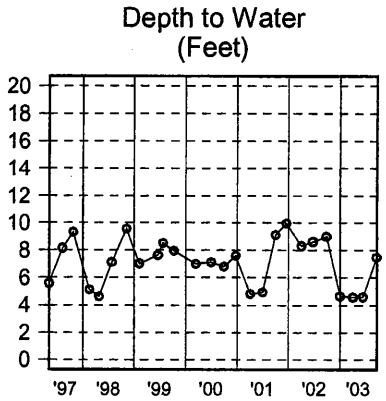












SOURCE: 00M2MW01

Sampling Dates:
05/02/1997 - 09/15/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 1 of 24, Graph

U.S.ARMY
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SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Cadmium	Nickel	Depth to Water	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	1	4	200	300	50	10	4	100	-	-
05/08/1997	FMETL	ND	18	49	35000	260	ND	-	-	7.80	V,S,P,M
08/06/1997	FMETL	1.36	18.56	51.7	82680	474	ND	-	-	10.60	V,S,P,M
10/23/1997	FMETL	ND	10.9	107	16200	145	7.0	ND	1.8	10.90	V,S,P,M
02/11/1998	FMETL	ND	7.39	129	22500	157	ND	ND	3.9	9.80	V,S,P,M
04/23/1998	FMETL	3.12	24.07	108	76160	282	ND	1.1	2.1	9.84	V,S,P,M
07/22/1998	FMETL	6.44	36.51	44.7	26800	290	ND	ND	2.06	10.64	V,S,P,M
11/06/1998	FMETL	2.73	44	48.2	33700	262	ND	0.913	2.47	10.73	V,S,P,M
02/03/1999	FMETL	5.84	37.3	ND	50800	456	ND	ND	2.25	10.02	V,S,P,M
06/15/1999	FMETL	4.70	22.3	ND	17000	254	ND	0.968	ND	10.67	V,S,P,M
07/20/1999	FMETL	4.39	23.13	29.4	13200	196	3.61	0.737	2.27	10.77	V,S,P,M
10/07/1999	FMETL	1.88	37.17	ND	31400	249	ND	1.66	2.42	10.64	V,S,P,M
03/07/2000	FMETL	5.86	69.55	75.5	46200	445	2.39	ND	1.24	10.41	V,S,P,M
06/27/2000	FMETL	ND	31.22	ND	53900	352	ND	ND	3.09	11.21	V,S,P,M
06/27/2000D	FMETL	ND	29.96	ND	55400	359	ND	ND	1.95	11.21	V,S,P,M
09/25/2000	FMETL	ND	23.98	ND	15400	128	2.70	ND	1.49	9.97	V,S,P,M
12/26/2000	FMETL	ND	31.06	ND	34400	223	ND	ND	ND	10.36	V,S,P,M
03/28/2001	FMETL	ND	26.97	ND	50200	327	8.00	5.10	1.00	9.82	V,S,P,M
03/28/2001D	FMETL	ND	25.00	20.0	53000	329	9.00	5.30	ND	9.82	V,S,P,M
06/27/2001	FMETL	1.75	55.69	ND	11500	531	ND	ND	126	9.77	V,S,P,M
09/26/2001	FMETL	1.08	57.62	ND	37800	553	ND	ND	51.3	10.62	V,S,P,M
12/20/2001	FMETL	ND	7.05	ND	23300	185	ND	ND	ND	10.88	V,S,P,M
03/26/2002	FMETL	1.33	60.33	3000	27200	126	12.8	1.68	7.09	10.15	V,S,P,M
06/19/2002	FMETL	ND	47.92	ND	99300	509	3.63	ND	3.47	10.42	V,S,P,M
09/24/2002	FMETL	ND	41.55	27.1	55900	325	2.31	0.833	ND	10.70	V,S,P,M
12/30/2002	FMETL	ND	9.64	ND	25300	178	ND	ND	ND	9.86	V,S,P,M
03/26/2003	FMETL	1.74	40.14	59.6	29900	403	1.08	0.467	5.54	9.20	V,S,P,M
06/09/2003	FMETL	ND	19.65	ND	9600	51.4	ND	0.776	ND	9.28	V,S,P,M
09/10/2003	FMETL	ND	27.89	67.3	45200	310	ND	1.90	ND	10.38	V,S,P,M

SOURCE: 00M2MW02

Sampling Dates:
05/08/1997 - 09/10/2003

NOTES:

Silver in blank > GW Criteria for May 97.

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Source 2 of 24

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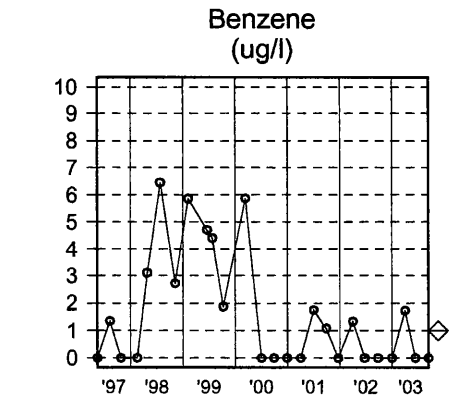

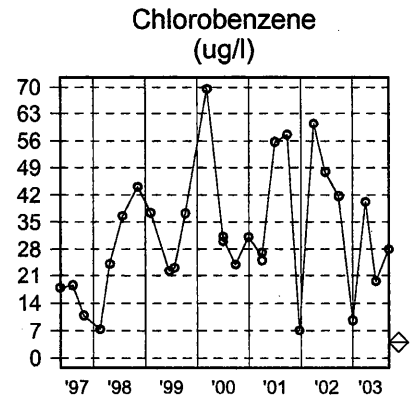

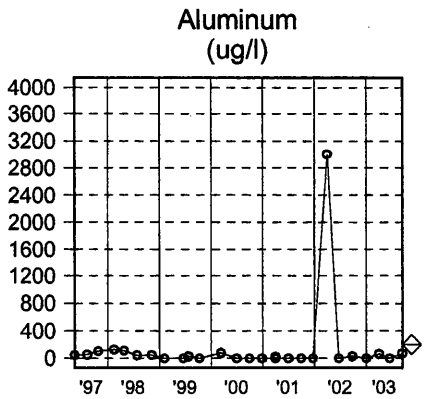

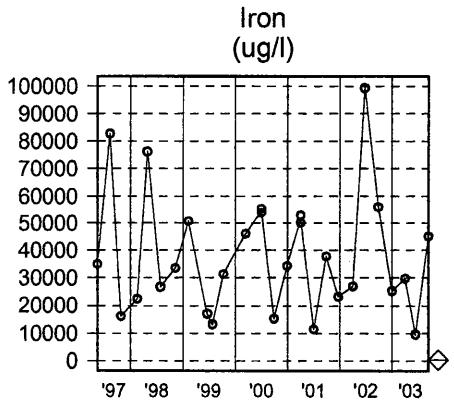

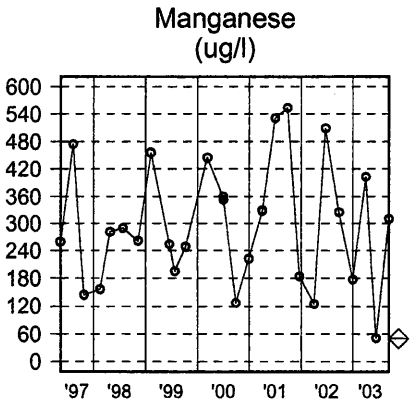

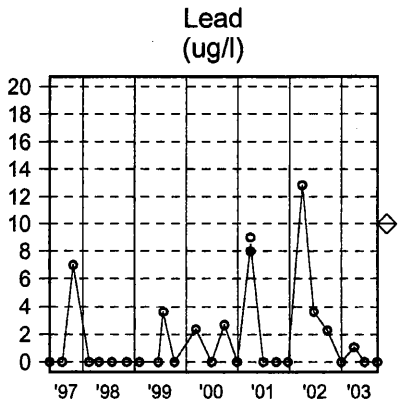

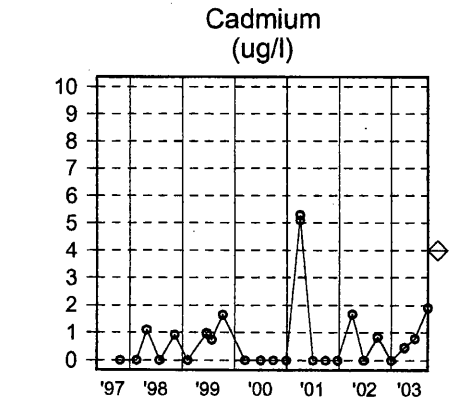

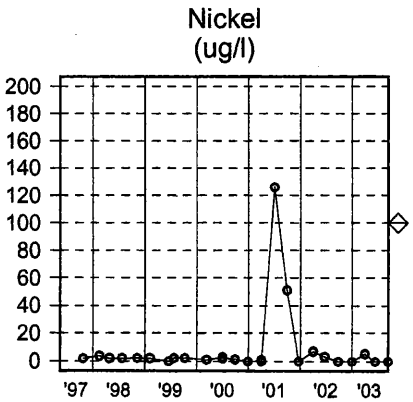

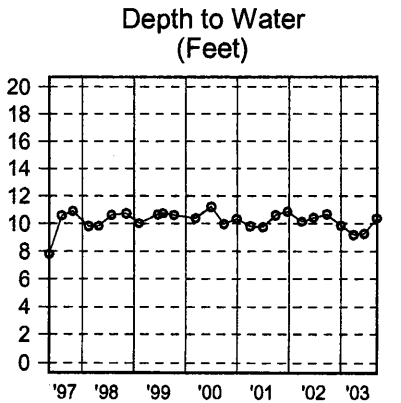

SOURCE: 00M2MW02

Sampling Dates:
05/08/1997 - 09/10/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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Source 2 of 24, Graph

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SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	1	4	200	300	50	10	-			-
05/02/1997	FMETL	ND	4.69	62	12200	500	ND	7.80			V,S,P,M
08/06/1997	FMETL	ND	1.49	26	9300	511	ND	8.20			V,S,P,M
10/23/1997	FMETL	1.31	17.7	145	10010	427	13	8.60			V,S,P,M
02/11/1998	FMETL	3.78	78.8	256	39970	513	ND	7.40			V,S,P,M
04/23/1998	FMETL	4.26	107.81	58	69260	516	2.8	7.83			V,S,P,M
07/22/1998	FMETL	ND	10.51	28.5	14500	395	ND	6.67			V,S,P,M
11/06/1998	FMETL	1.78	11.9	66.3	13700	586	2.83	8.39			V,S,P,M
02/03/1999	FMETL	ND	7.14	531	16500	407	5.02	7.28			V,S,P,M
06/15/1999	FMETL	ND	4.29	25	13500	412	ND	8.71			V,S,P,M
07/20/1999	FMETL	ND	3.68	18.6	16600	464	5.31	8.61			V,S,P,M
10/07/1999	FMETL	1.59	11.20	12.4	13000	475	ND	8.41			V,S,P,M
03/07/2000	FMETL	ND	3.42	47.6	11400	495	5.83	8.16			V,S,P,M
06/27/2000	FMETL	ND	ND	ND	7990	423	3.44	8.04			V,S,P,M
09/28/2000	FMETL	ND	ND	45.9	8990	424	ND	7.97			V,S,P,M
12/20/2000	FMETL	ND	3.19	ND	9390	440	ND	7.91			V,S,P,M
03/29/2001	FMETL	1.39	23.26	ND	29700	571	38.0	7.42			V,S,P,M
06/27/2001	FMETL	1.90	60.9	ND	22000	266	ND	7.57			V,S,P,M
09/27/2001	FMETL	ND	5.95	ND	11800	333	ND	8.57			V,S,P,M
12/14/2001	FMETL	ND	3.10	90.0	7770	305	4.62	8.63			V,S,P,M
03/27/2002	FMETL	ND	ND	ND	122000	674	5.53	6.88			V,S,P,M
06/20/2002	FMETL	ND	3.87	750	12600	197	4.74	8.48			V,S,P,M
09/25/2002	FMETL	1.01	15.9	56.8	19700	315	1.80	8.51			V,S,P,M
12/27/2002	FMETL	1.62	31.69	166	9930	146	1.25	7.23			V,S,P,M
03/26/2003	FMETL	1.73	36.38	118	12800	237	1.99	7.09			V,S,P,M
06/06/2003	FMETL	4.45	93.42	178	46500	479	4.20	6.80			V,S,P,M
09/11/2003	FMETL	ND	9.85	226	13400	250	ND	8.13			V,S,P,M

SOURCE: 00M2MW03

Sampling Dates:
05/02/1997 - 09/11/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

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Bldg M-2

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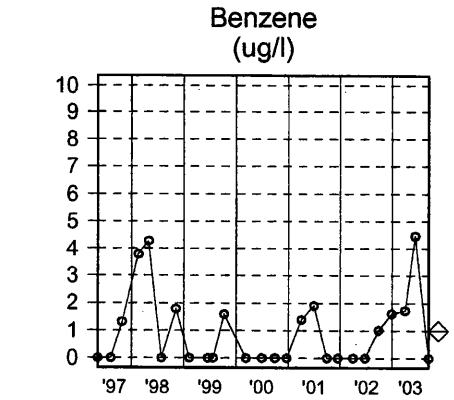

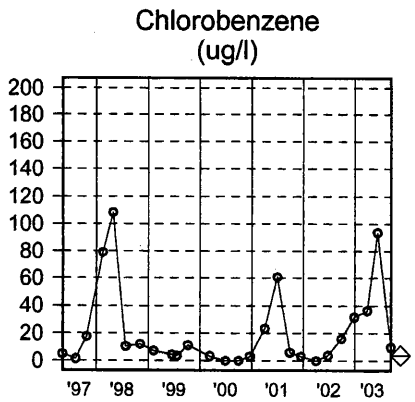

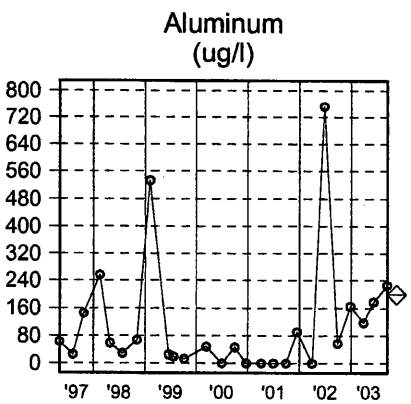

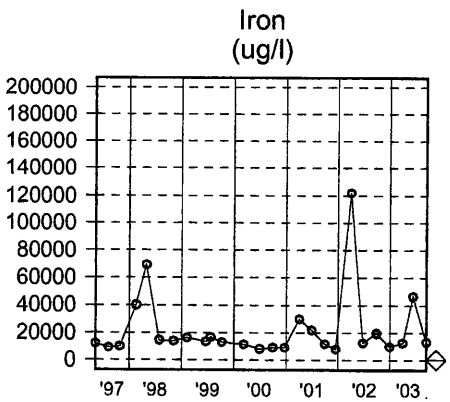

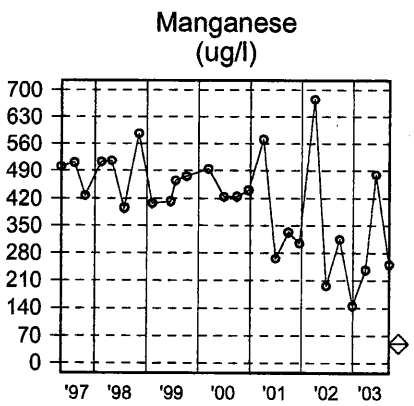

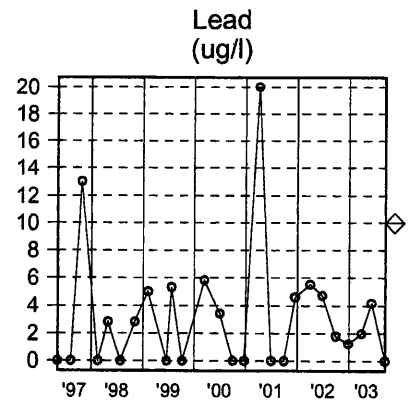

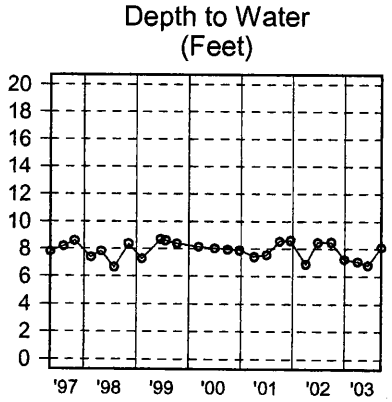

SOURCE: 00M2MW03

Sampling Dates:
05/02/1997 - 09/11/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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U.S.ARMY
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SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Cadmium	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	1	4	200	300	50	10	4	-		-
02/11/1998	FMETL	ND	2.41	514	30140	534	ND	ND	8.80		V,S,P,M
04/27/1998	FMETL	ND	ND	ND	17800	757	ND	ND	8.49		V,S,P,M
07/22/1998	FMETL	ND	1.29	302	26300	3780	ND	ND	9.42		V,S,P,M
11/06/1998	FMETL	ND	ND	209	23900	180	3.27	1.47	10.33		V,S,P,M
02/03/1999	FMETL	ND	ND	20.3	33300	2010	ND	1.38	8.96		V,S,P,M
06/15/1999	FMETL	ND	ND	57.6	31300	311	ND	0.873	9.62		V,S,P,M
07/20/1999	FMETL	ND	2.75	52.3	32600	670	16.1	2.32	9.91		V,S,P,M
10/07/1999	FMETL	1.23	5.96	73.6	43000	1160	2.97	1.87	9.72		V,S,P,M
03/07/2000	FMETL	ND	2.38	57.8	33700	312	9.26	ND	9.34		V,S,P,M
06/27/2000	FMETL	ND	ND	ND	24400	245	6.14	ND	9.27		V,S,P,M
09/26/2000	FMETL	ND	ND	ND	22800	150	ND	ND	9.11		V,S,P,M
12/26/2000	FMETL	2.07	13.11	119	69300	1450	403	1.72	9.43		V,S,P,M
03/29/2001	FMETL	2.62	16.95	ND	75000	1430	14.0	9.20	8.45		V,S,P,M
06/27/2001	FMETL	ND	3.34	ND	80400	1820	2.41	7.74	8.57		V,S,P,M
09/27/2001	FMETL	ND	ND	44.3	34000	193	1.27	ND	9.76		V,S.P,M
09/27/2001D	FMETL	ND	ND	126	34500	194	15.8	ND	9.76		V,S,P,M
12/20/2001	FMETL	ND	ND	478	38100	198	5.85	ND	9.98		V,S,P,M
03/26/2002	FMETL	2.49	14.81	63.4	88600	985	4.04	1.96	6.27		V,S,P,M
06/19/2002	FMETL	ND	0.71	275	27400	204	2.54	ND	9.46		V,S,P,M
09/25/2002	FMETL	ND	ND	85.8	30600	178	ND	0.880	9.74		V,S,P,M
12/30/2002	FMETL	ND	ND	ND	28000	235	ND	ND	8.57		V,S,P,M
03/25/2003	FMETL	ND	4.44	32.8	32300	707	ND	ND	8.47		V,S,P,M
06/06/2003	FMETL	ND	1.95	120	30800	437	ND	1.18	8.19		V,S,P,M
09/10/2003	FMETL	ND	ND	140	41600	296	ND	1.88	7.98		V,S,P,M

SOURCE: 00M2MW04

Sampling Dates:
02/11/1998 - 09/10/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

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Bldg M-2

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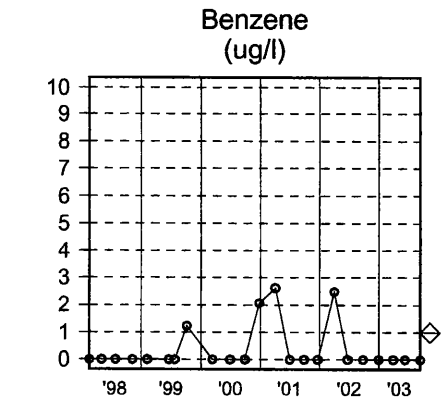

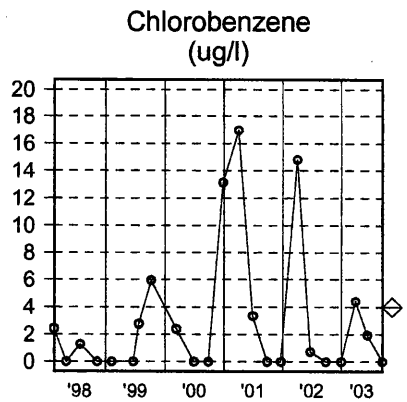

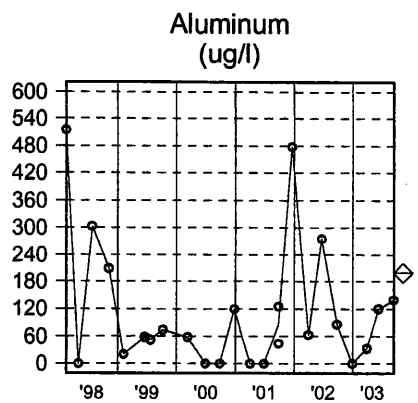

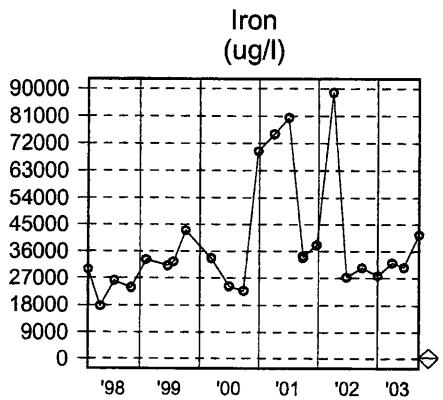

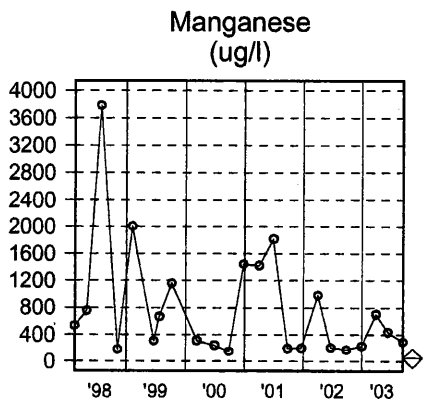

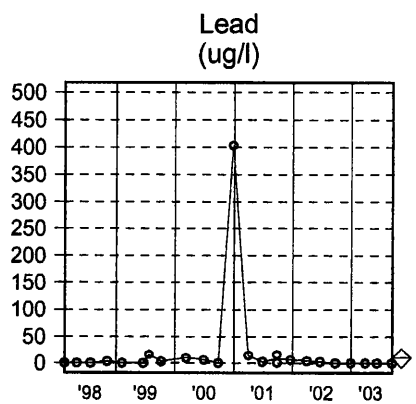

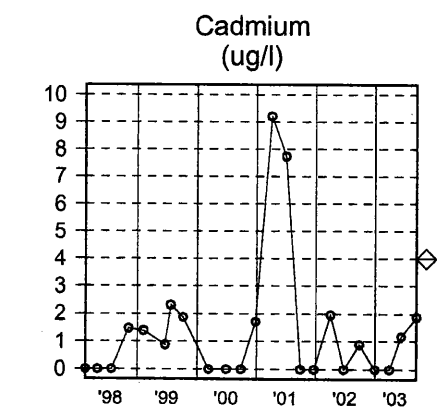

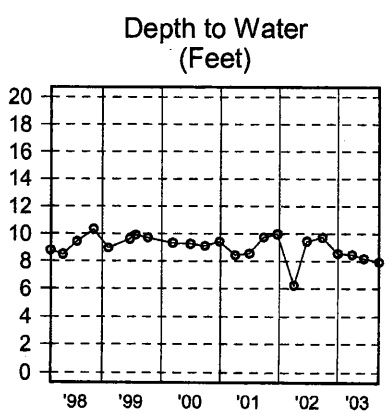

SOURCE: 00M2MW04

Sampling Dates:
02/11/1998 - 09/10/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 4 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Cadmium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	300	50	10	4	-				-
10/19/1998	FMETL	1080	15800	34.2	4.09	ND	6.84				V,S,P,M
11/02/1998	FMETL	4860	29900	45.5	15.3	ND	6.84				V,S,P,M
02/03/1999	FMETL	633	35300	48.2	4.62	2.05	6.14				V,S,P,M
06/15/1999	FMETL	2040	72000	41.5	7.58	1.88	6.75				V,S,P,M
07/20/1999	FMETL	1360	45800	38.1	4.71	1.81	6.89				V,S,P,M
10/07/1999	FMETL	1590	28300	36.5	4.59	2.10	6.65				V,S,P,M
03/07/2000	FMETL	370	74400	43.2	5.24	ND	6.45				V,S,P,M
06/27/2000	FMETL	467	58900	37.7	ND	ND	6.57				V,S,P,M
09/25/2000	FMETL	1220	26000	30.6	2.95	ND	6.17				V,S,P,M
12/26/2000	FMETL	1940	148000	49.4	12.9	ND	6.46				V,S,P,M
12/26/2000D	FMETL	1140	95200	41.5	24.9	ND	6.46				V,S,P,M
03/28/2001	FMETL	1750	140000	29.2	17.0	15.9	6.00				V,S,P,M
06/26/2001	FMETL	ND	22400	32.9	ND	2.39	5.97				V,S,P,M
09/26/2001	FMETL	2950	111000	44.4	9.23	1.70	6.71				V,S,P,M
12/20/2001	FMETL	843	88400	40.8	7.41	1.41	6.64				V,S,P,M
03/26/2002	FMETL	265	82400	35.6	4.62	5.48	6.23				V,S,P,M
06/19/2002	FMETL	285	44500	32.4	1.53	0.604	13.85				V,S,P,M
09/24/2002	FMETL	1180	81500	60.4	4.85	3.13	6.75				V,S,P,M
12/16/2002	FMETL	80.8	24300	46.7	ND	0.629	5.92				V,S,P,M
03/25/2003	FMETL	ND	5340	26.4	ND	ND	6.10				V,S,P,M
06/09/2003	FMETL	313	66600	36.7	ND	2.41	5.68				V,S,P,M
09/10/2003	FMETL	1800	108000E	44.8	5.69	4.44	6.55				V,S,P,M

SOURCE: 00M2MW05

Sampling Dates:
10/19/1998 - 09/10/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

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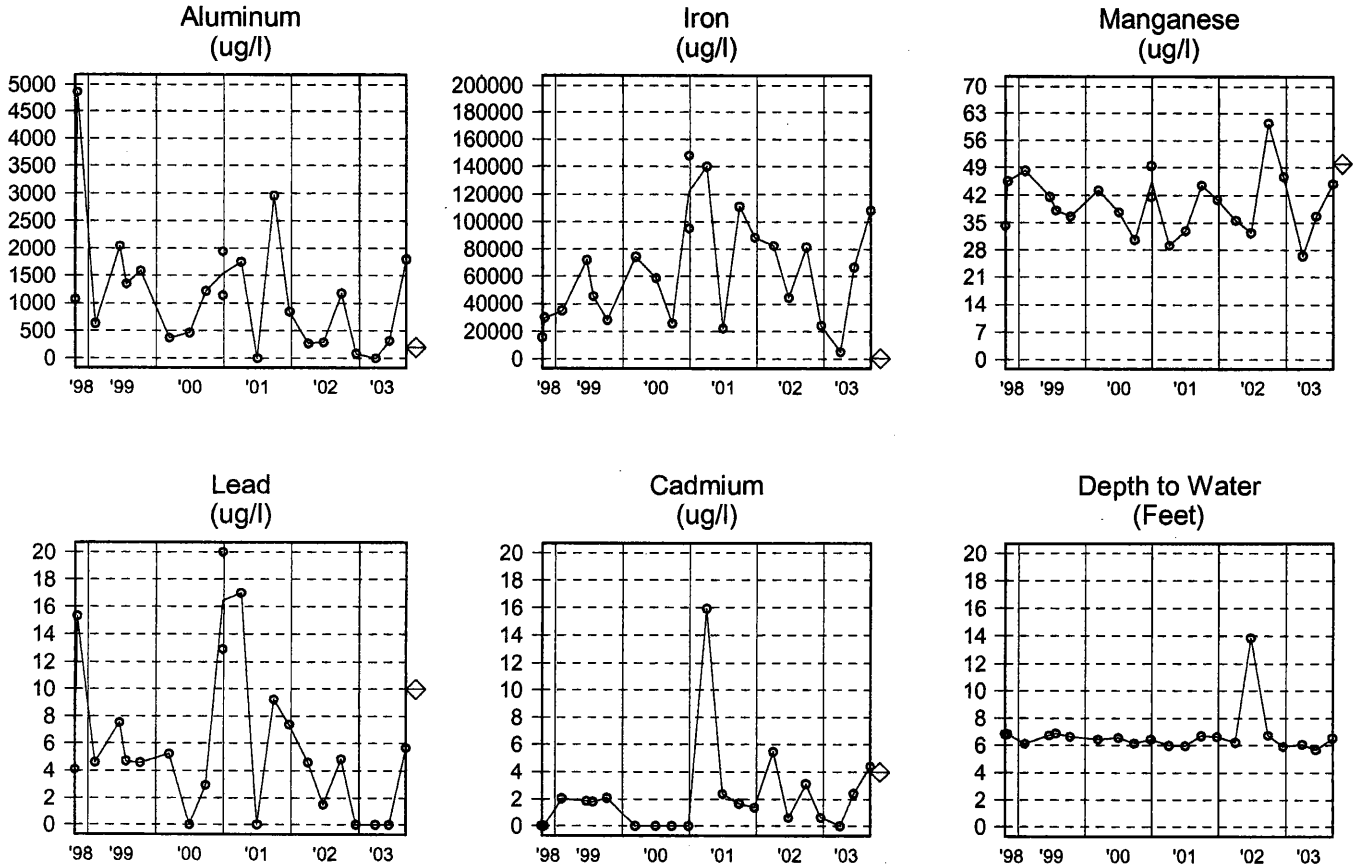
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 00M2MW05

Sampling Dates:
10/19/1998 - 09/10/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 5 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	200	300	50	10	-					-
10/19/1998	FMETL	1240	16500	72.5	22.4	9.12					V,S,P,M
11/02/1998	FMETL	10300	43500	92.7	90.5	9.12					V,S,P,M
02/03/1999	FMETL	1330	50700	138	13.6	8.18					V,S,P,M
06/15/1999	FMETL	749	38100	55.0	6.26	8.79					V,S,P,M
07/20/1999	FMETL	992	36700	59.6	9.72	9.08					V,S,P,M
10/07/1999	FMETL	616	26100	52.4	6.95	8.74					V,S,P,M
03/07/2000	FMETL	753	45000	247	ND	8.64					V,S,P,M
06/27/2000	FMETL	738	45200	66.3	6.32	8.53					V,S,P,M
09/28/2000	FMETL	41.9	12500	56.8	ND	8.21					V,S,P,M
09/28/2000D	FMETL	30.3	8850	424	ND	8.21					V,S,P,M
12/26/2000	FMETL	52.4	12100	53.3	ND	8.70					V,S,P,M
12/26/2000D	FMETL	ND	12000	53.5	41.2	8.70					V,S,P,M
03/27/2001	FMETL	ND	24600	250	ND	8.07					V,S,P,M
03/27/2001D	FMETL	ND	24500	248	ND	8.07					V,S,P,M
06/23/2001	FMETL	ND	10800	44.3	ND	7.94					V,S,P,M
09/26/2001	FMETL	220	19500	54.5	9.27	9.32					V,S,P,M
12/10/2001	FMETL	3510	30600	57.8	35.3	8.98					V,S,P,M
03/26/2002	FMETL	31.8	17000	47.3	ND	9.17					V,S,P,M
06/22/2002	FMETL	42.8	19900	55.1	2.09	8.87					V,S,P,M
09/26/2002	FMETL	36.1	9660	49.5	ND	8.92					V,S,P,M
12/27/2002	FMETL	113	9280	56.6	3.11	7.84					V,S,P,M
03/20/2003	FMETL	32.1	22700	297	ND	6.18					V,S,P,M
09/08/2003	FMETL	1280	20600	57.3	11.7	6.31					V,S,P,M

SOURCE: 00M2MW06

Sampling Dates:
10/19/1998 - 09/08/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

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Bldg M-2

Source 6 of 24

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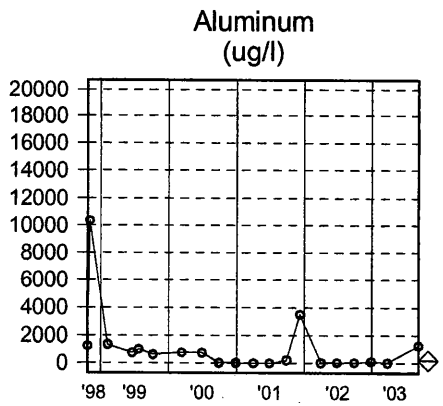

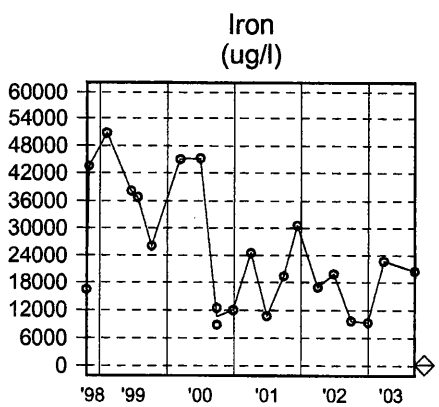

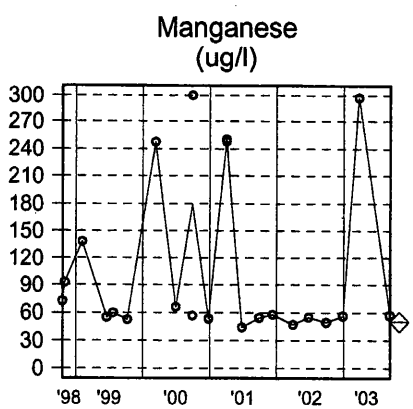

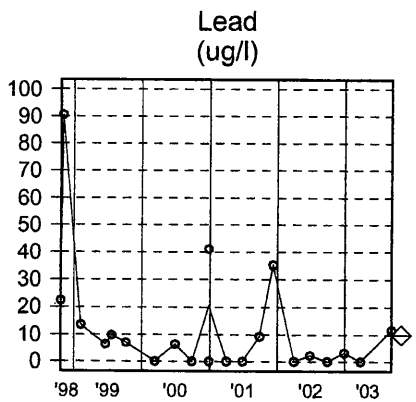

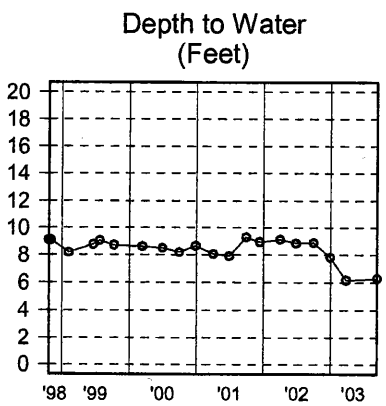

SOURCE: 00M2MW06

Sampling Dates:
10/19/1998 - 09/08/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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GW MONITORING
Bldg M-2

Source 6 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Cadmium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	300	50	10	4	-				-
10/19/1998	FMETL	1480	14800	94.8	13	ND	7.61				V,S,P,M
11/02/1998	FMETL	3870	23800	82.2	16.4	2.36	7.61				V,S,P,M
02/03/1999	FMETL	433	41800	79.6	3.41	1.94	6.66				V,S,P,M
06/15/1999	FMETL	780	71900	80.3	ND	1.96	7.31				V,S,P,M
07/20/1999	FMETL	1150	19800	70.1	4.93	1.29	7.61				V,S,P,M
10/07/1999	FMETL	1680	35100	81.7	4.53	1.67	7.24				V,S,P,M
03/07/2000	FMETL	248	118000	156	ND	ND	7.15				V,S,P,M
06/27/2000	FMETL	161	167000	97.9	2.65	ND	7.21				V,S,P,M
09/28/2000	FMETL	51.5	9940	58.2	ND	ND	7.02				V,S,P,M
12/26/2000	FMETL	129	49200	118	ND	ND	7.41				V,S,P,M
03/28/2001	FMETL	1670	186000	119	18.0	22.4	6.78				V,S,P,M
06/27/2001	FMETL	ND	289000	135	13.6	33.2	6.66				V,S,P,M
09/26/2001	FMETL	807	20200	60.4	ND	ND	7.62				V,S,P,M
12/20/2001	FMETL	555	26100	67.5	5.79	ND	7.61				V,S,P,M
03/26/2002	FMETL	1880	182000	101	8.04	4.94	7.05				V,S,P,M
06/19/2002	FMETL	336	15900	54.7	ND	ND	7.41				V,S,P,M
09/24/2002	FMETL	437	30100	72.8	1.89	0.793	7.44				V,S,P,M
12/16/2002	FMETL	ND	15200	66.5	1.41	ND	6.63				V,S,P,M
03/25/2003	FMETL	27.8	22900	53.3	ND	ND	6.77				V,S,P,M
06/09/2003	FMETL	714	44600	75.5	2.57	1.89	6.31				V,S,P,M
09/10/2003	FMETL	1580	15500	56.4	2.92	1.10	7.30				V,S,P,M

SOURCE: 00M2MW07

Sampling Dates:
10/19/1998 - 09/10/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 7 of 24

U.S.ARMY
FORT MONMOUTH
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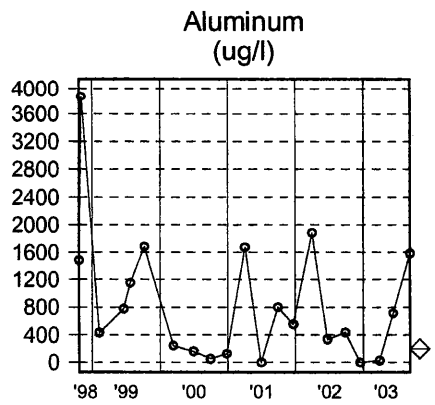

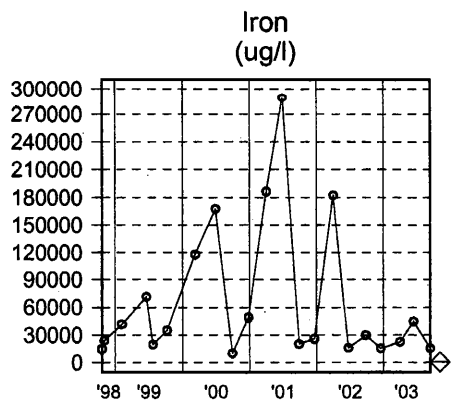

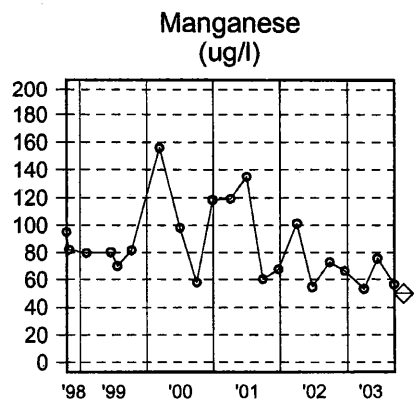

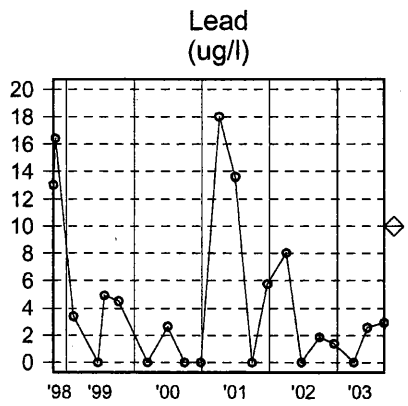

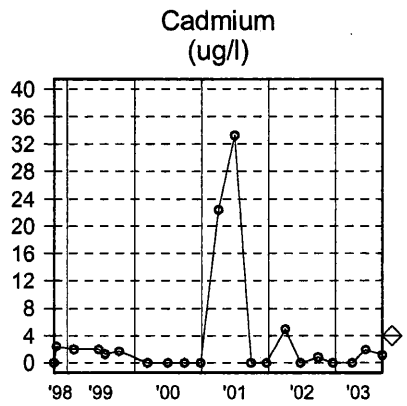

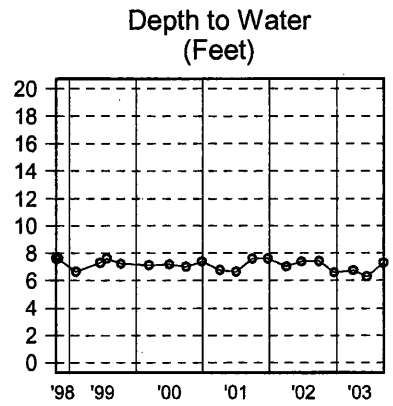

SOURCE: 00M2MW07

Sampling Dates:
10/19/1998 - 09/10/2003

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 7 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Aluminum	Iron	Manganese	Lead	Cadmium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	1	200	300	50	10	4	-			-
10/19/1998	FMETL	7.46	1490	18400	55.1	11	ND	7.48			V,S,P,M
11/02/1998	FMETL	5.88	8250	46100	69.9	45	ND	7.48			V,S,P,M
02/03/1999	FMETL	5.56	1350	76500	61.7	5.57	1.16	6.46			V,S,P,M
06/15/1999	FMETL	4.13	3630	142000	74.6	13.5	4.14	7.22			V,S,P,M
07/20/1999	FMETL	2.66	1560	37200	56.5	10.6	0.925	7.51			V,S,P,M
10/07/1999	FMETL	ND	935	32500	55.5	6.65	1.46	7.29			V,S,P,M
03/07/2000	FMETL	ND	616	73100	56.5	3.37	ND	6.92			V,S,P,M
06/27/2000	FMETL	ND	327	40000	47.1	31.0	ND	7.01			V,S,P,M
09/28/2000	FMETL	1.12	37.3	13700	43.8	ND	ND	6.71			V,S,P,M
12/26/2000	FMETL	ND	257	47400	38.5	ND	ND	6.23			V,S,P,M
03/29/2001	FMETL	2.19	2280	221000	50.9	37.0	27.4	6.54			V,S,P,M
06/26/2001	FMETL	ND	583	116000	72.5	20.7	12.7	6.49			V,S,P,M
09/27/2001	FMETL	ND	1320	23200	49.0	4.15	ND	6.26			V,S,P,M
12/20/2001	FMETL	ND	5360	54800	64.0	66.5	0.920	7.48			V,S,P,M
03/26/2002	FMETL	ND	5140	126000	80.5	33.9	3.39	6.95			V,S,P,M
06/19/2002	FMETL	ND	891	45500	50.4	10.2	ND	7.20			V,S,P,M
09/24/2002	FMETL	ND	1570	33000	49.7	5.61	0.947	7.24			V,S,P,M
12/16/2002	FMETL	1.41	ND	15100	47.1	1.15	ND	6.25			V,S,P,M
03/25/2003	FMETL	ND	48.4	3250	36.6	ND	ND	5.43			V,S,P,M
06/06/2003	FMETL	2.20	370	34200	44.5	0.834	1.39	6.05			V,S,P,M
09/10/2003	FMETL	ND	299	31500	42.0	0.942	1.29	7.14			V,S,P,M

SOURCE: 00M2MW08

Sampling Dates:
10/19/1998 - 09/10/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

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Bldg M-2

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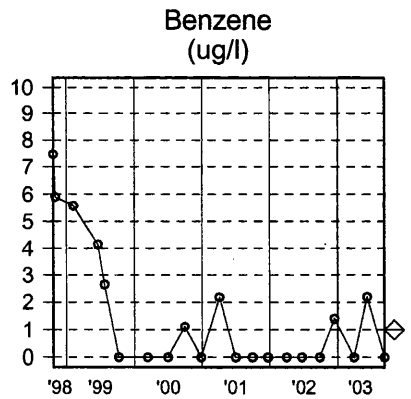

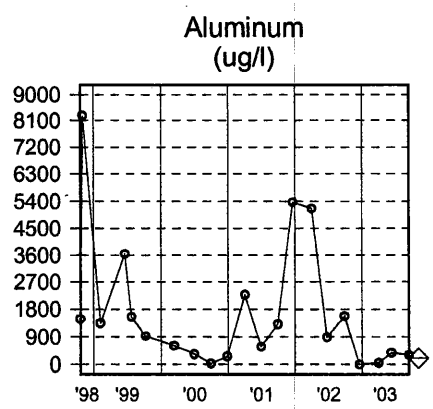

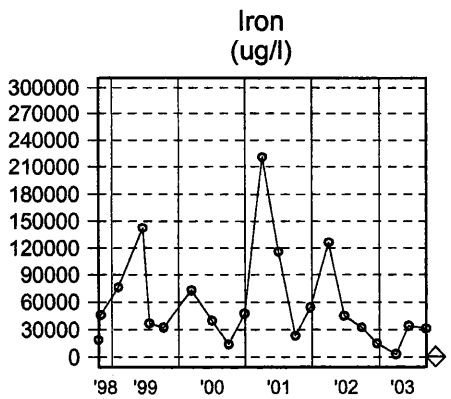

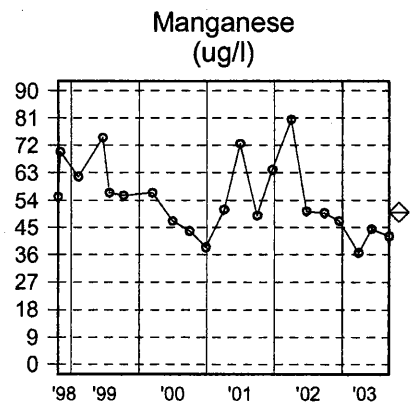

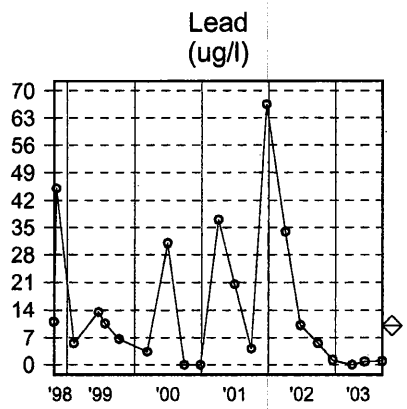

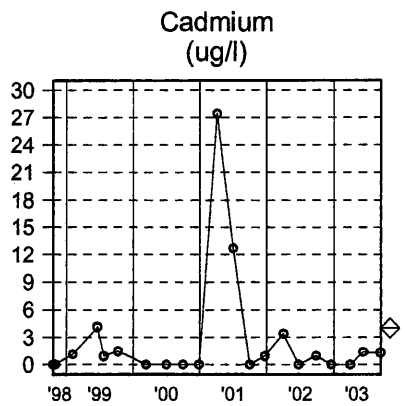

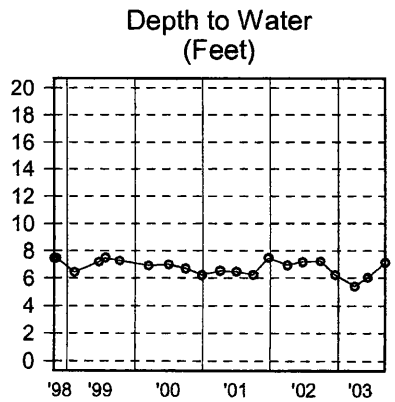

SOURCE: 00M2MW08

Sampling Dates:
10/19/1998 - 09/10/2003

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 8 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Aluminum	Iron	Manganese	Cadmium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	1	200	300	50	4	-				-
10/19/1998	FMETL	538.24	455	10400	1920	ND	10.85				V,S,P,M
11/02/1998	FMETL	205.68	7880	36100	1560	0.987	10.85				V,S,P,M
02/03/1999	FMETL	263.2	3250	30900	4260	4.49	10.17				V,S,P,M
06/15/1999	FMETL	23.39	32300	99300	1430	15.2	10.78				V,S,P,M
07/20/1999	FMETL	14.32	5850	24900	1200	2.93	10.99				V,S,P,M
10/07/1999	FMETL	3.91	5000	27500	1460	5.64	10.59				V,S,P,M
03/07/2000	FMETL	2.21	2850	15200	1310	1.65	10.89				V,S,P,M
06/27/2000	FMETL	ND	671	29200	1780	ND	11.03				V,S,P,M
09/28/2000	FMETL	ND	5170	28800	1470	2.41	10.11				V,S,P,M
12/27/2000	FMETL	ND	126	4820	747	ND	10.80				V,S,P,M
03/27/2001	FMETL	ND	80.0	10800	1690	0.90	10.18				V,S,P,M
06/23/2001	FMETL	ND	ND	20000	1740	2.95	10.30				V,S,P,M
09/26/2001	FMETL	ND	274	27400	1720	1.63	11.06				V,S,P,M
12/31/2001	FMETL	ND	617	23200	780	3.93	11.09				V,S,P,M
03/26/2002	FMETL	ND	729	16700	1380	0.711	10.76				V,S,P,M
06/22/2002	FMETL	ND	ND	11000	1330	0.778	10.11				V,S,P,M
09/27/2002	FMETL	ND	35.9	5920	663	0.711	10.88				V,S,P,M
12/27/2002	FMETL	2.35	117	5960	1170	0.852	10.32				V,S,P,M
03/25/2003	FMETL	ND	487	10400	870	0.813	6.19				V,S,P,M
06/09/2003	FMETL	ND	883	123000	2450	7.92	7.53				V,S,P,M
09/08/2003	FMETL	ND	848	33800	1430	3.35	7.6.7				V,S,P,M

SOURCE: 00M2MW09

Sampling Dates:
10/19/1998 - 09/08/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

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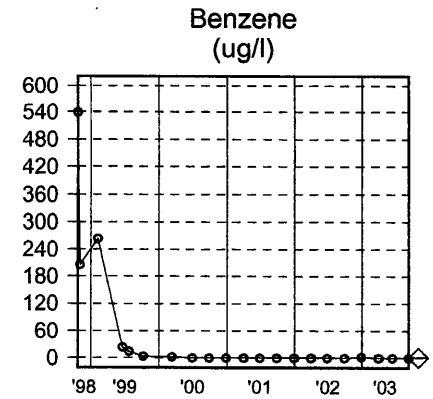
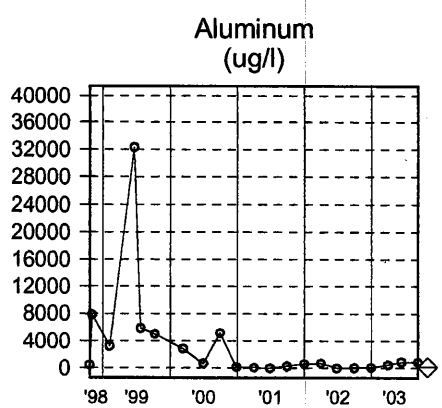
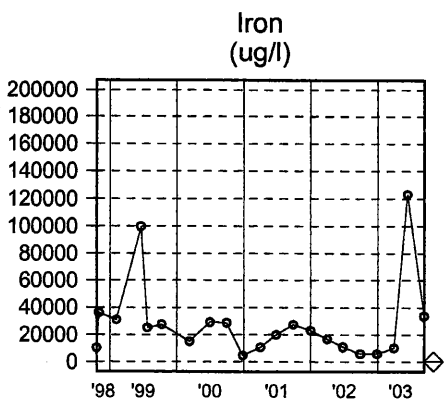
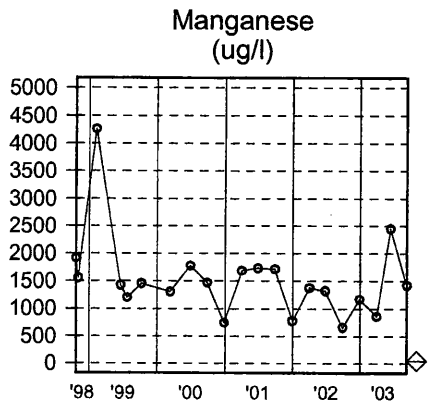
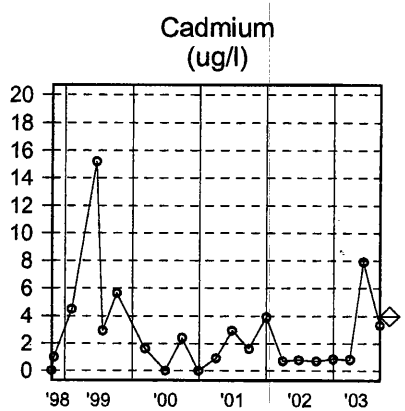
FORT MONMOUTH
SELFM-PW-EV

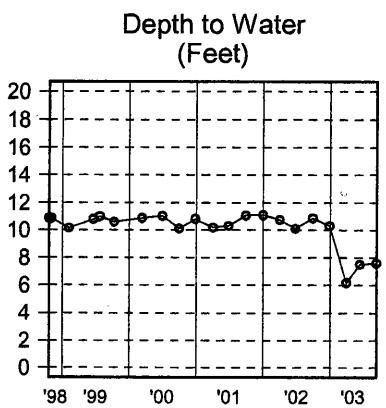












SOURCE: 00M2MW09

Sampling Dates:
10/19/1998 - 09/08/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 9 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Cadmium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	300	50	10	4	-				-
10/19/1998	FMETL	486	4280	22.5	2.94	ND	8.24				V,S,P,M
11/02/1998	FMETL	3670	20600	47.4	4.47	ND	8.24				V,S,P,M
02/03/1999	FMETL	638	24300	68.6	ND	0.845	6.81				V,S,P,M
06/15/1999	FMETL	5610	65600	79.2	7.75	2.03	7.94				V,S,P,M
07/20/1999	FMETL	1010	10700	63.1	8.20	1.02	8.35				V,S,P,M
10/07/1999	FMETL	98.4	6390	37.7	ND	1.10	8.00				V,S,P,M
03/07/2000	FMETL	442	46200	104	ND	ND	7.50				V,S,P,M
06/27/2000	FMETL	430	6530	36.4	7.42	ND	7.61				V,S,P,M
09/27/2000	FMETL	218	2890	27.5	ND	ND	7.01				V,S,P,M
12/26/2000	FMETL	441	39500	159	ND	ND	7.93				V,S,P,M
03/29/2001	FMETL	750	73400	85.4	9.00	9.10	8.34				V,S,P,M
06/26/2001	FMETL	1460	10900	44.3	1.88	0.96	8.41				V,S,P,M
09/27/2001	FMETL	2550	12000	46.4	2.59	ND	8.31				V,S,P,M
12/20/2001	FMETL	ND	33500	237	2.24	ND	8.62				V,S,P,M
03/26/2002	FMETL	5330	207000	332	10.3	5.80	7.88				V,S,P,M
06/20/2002	FMETL	1170	22500	50.5	ND	ND	8.06				V,S,P,M
09/24/2002	FMETL	806	8480	48.1	ND	2.00	7.86				V,S,P,M
12/16/2002	FMETL	652	24400	74.2	1.61	ND	7.63				V,S,P,M
03/25/2003	FMETL	60.4	1350	33.0	ND	ND	7.45				V,S,P,M
06/06/2003	FMETL	1260	10900	43.0	ND	0.582	7.07				V,S,P,M
09/11/2003	FMETL	1050	6090	41.4	ND	ND	7.57				V,S,P,M

SOURCE: 00M2MW10

Sampling Dates:
10/19/1998 - 09/11/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

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Bldg M-2

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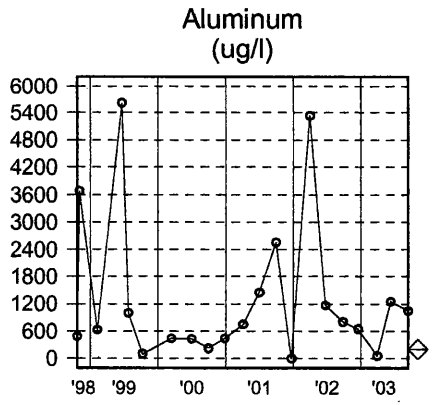
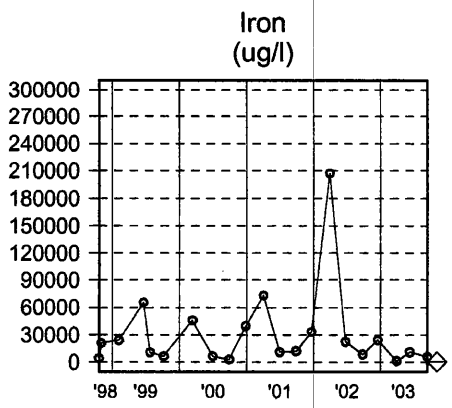
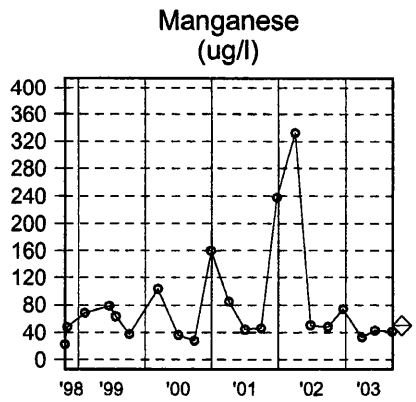
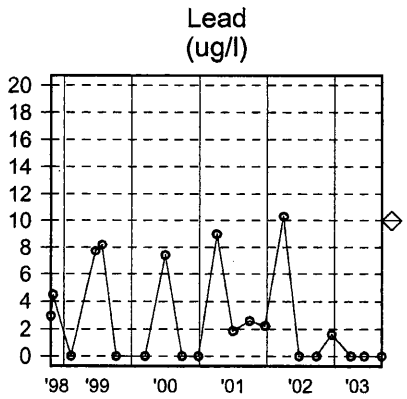
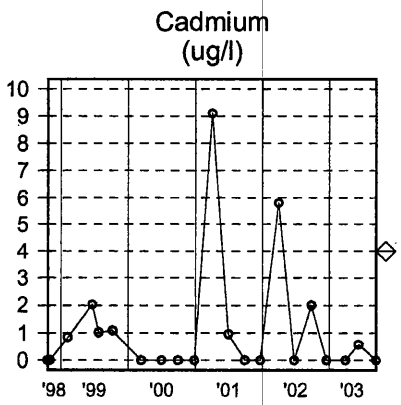
FORT MONMOUTH
SELFM-PW-EV

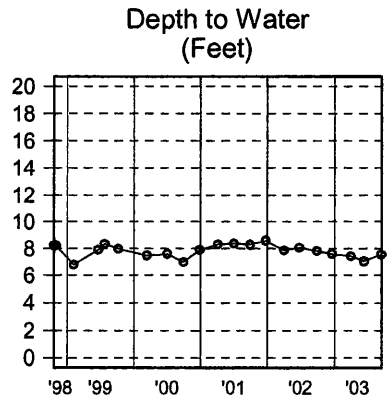












SOURCE: 00M2MW10

Sampling Dates:
10/19/1998 - 09/11/2003

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NJDEP Criteria

FORT MONMOUTH

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	tert-Butyl alcohol	Iron	Manganese	Lead	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	1	NLE	300	50	10	-				-
09/29/2000	FMETL	78.23	ND	186	17.8	ND	8.71				V,S,P,M
12/29/2000	FMETL	82.83	ND	308	26.2	ND	7.00				V,S,P,M
12/29/2000D	FMETL	80.52	ND	239	16.0	ND	7.00				V,S,P,M
03/26/2001	FMETL	73.81	ND	110	59.5	4.00	8.58				V,S,P,M
06/26/2001	FMETL	ND	ND	163	16.9	ND	8.52				V,S,P,M
09/26/2001	FMETL	ND	ND	319	8.43	23.2	9.91				V,S,P,M
11/30/2001	FMETL	114.25	ND	309	24.6	ND	9.75				V,S,P,M
03/26/2002	FMETL	ND	ND	116	2.01	ND	9.45				V,S,P,M
06/20/2002	FMETL	ND	ND	180	4.16	ND	9.66				V,S,P,M
09/20/2002	FMETL	ND	ND	136	12.5	1.53	9.58				V,S,P,M
12/27/2002	FMETL	ND	ND	65.6	ND	4.74	8.62				V,S,P,M
03/26/2003	FMETL	ND	ND	308	14.0	4.51	8.77				V,S,P,M
06/09/2003	FMETL	116.55	ND	219	20.7	ND	8.37				V,S,P,M
09/15/2003	FMETL	ND	163.7	217	6.13	ND	9.38				V,S,P,M

SOURCE: 00M2MW11

Sampling Dates:
09/29/2000 - 09/15/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 11 of 24

U.S.ARMY
FORT MONMOUTH
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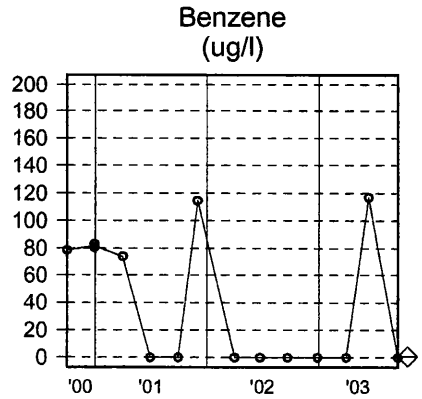

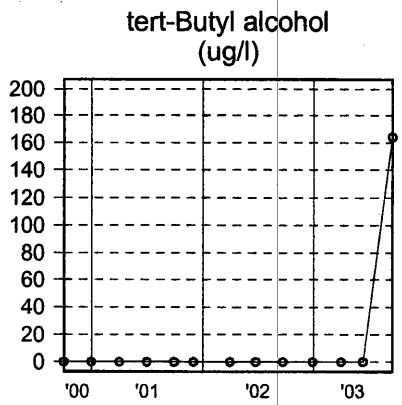

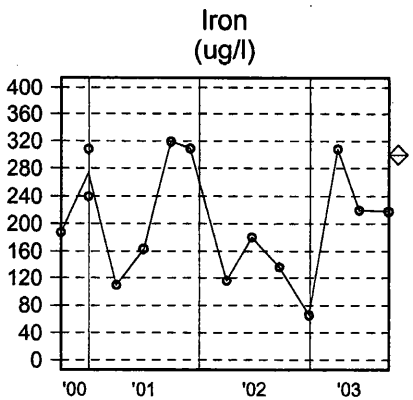

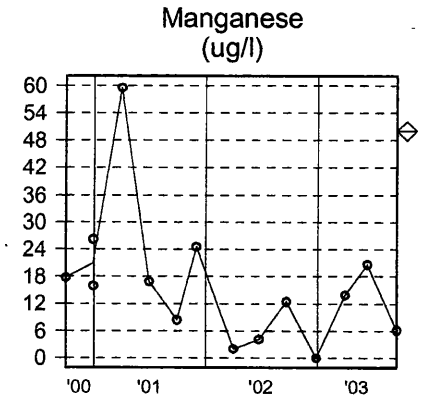

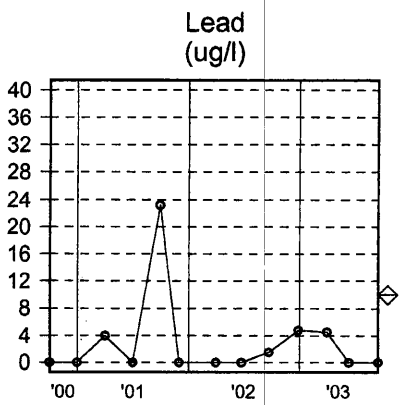

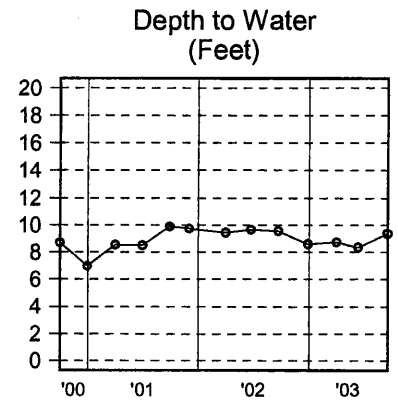

SOURCE: 00M2MW11

Sampling Dates:
09/29/2000 - 09/15/2003

LEGEND:

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 11 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Iron	Manganese	Lead	Depth to Water							Notes
Units:	-	ug/l	ug/l	ug/l	Feet							-
NJDEP Criteria:	-	300	50	10	-							-
09/29/2000	FMETL	238	23.5	56.3	8.23							V,S,P,M
09/29/2000D	FMETL	245	22.5	ND	8.23							V,S,P,M
12/29/2000	FMETL	279	21.0	ND	7.80							V,S,P,M
03/26/2001	FMETL	410	171	11.0	7.61							V,S,P,M
06/26/2001	FMETL	539	19.9	ND	7.58							V,S,P,M
09/27/2001	FMETL	194	9.12	8.15	9.77							V,S,P,M
11/30/2001	FMETL	327	26.9	ND	9.79							V,S,P,M
03/26/2002	FMETL	254	11.5	ND	9.22							V,S,P,M
06/20/2002	FMETL	255	24.0	ND	9.44							V,S,P,M
09/20/2002	FMETL	199	11.5	ND	9.36							V,S,P,M
12/27/2002	FMETL	218	3.66	ND	8.37							V,S,P,M
03/26/2003	FMETL	676	20.1	2.00	8.48							V,S,P,M
06/09/2003	FMETL	ND	19.6	ND	8.48							V,S,P,M
09/15/2003	FMETL	222	8.59	ND	9.27							V,S,P,M

SOURCE: 00M2MW12

Sampling Dates:
09/29/2000 - 09/15/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

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Bldg M-2

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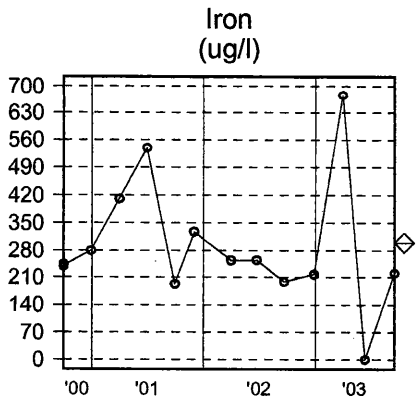

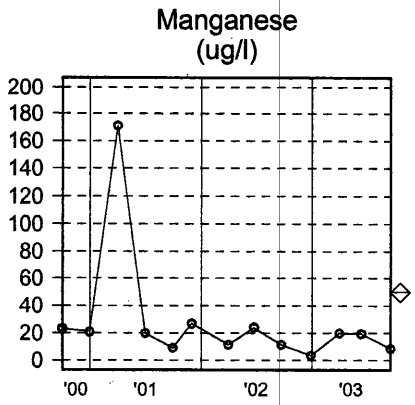

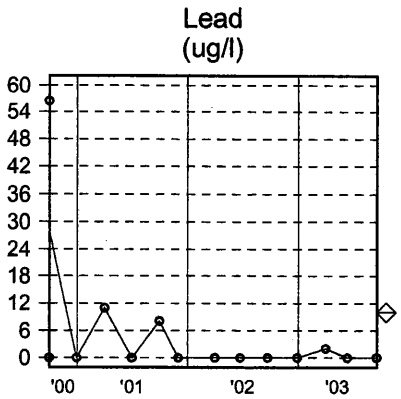

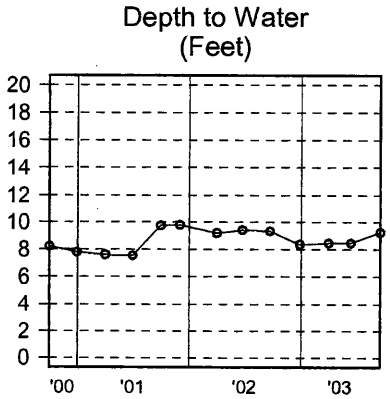

SOURCE: 00M2MW12

Sampling Dates:
09/29/2000 - 09/15/2003

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Cadmium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	300	50	10	4	-				-
09/27/2000	FMETL	28.1	11800	84.1	15.4	ND	9.89				V,S,P,M
12/20/2000	FMETL	ND	14600	103	17.3	ND	9.92				V,S,P,M
03/29/2001	FMETL	ND	71800	102	7.00	8.70	9.72				V,S,P,M
06/27/2001	FMETL	ND	59600	108	1.12	5.82	9.81				V,S,P,M
09/27/2001	FMETL	34.0	17300	87.8	ND	ND	10.56				V,S,P,M
12/14/2001	FMETL	18.8	28000	123	21.0	ND	10.62				V,S,P,M
03/27/2002	FMETL	ND	18400	144	ND	0.598	9.86				V,S,P,M
06/20/2002	FMETL	38.7	23000	131	ND	ND	10.88				V,S,P,M
09/24/2002	FMETL	414	23600	189	2.28	0.687	10.54				V,S,P,M
12/27/2002	FMETL	34.8	28100	111	1.71	0.739	9.53				V,S,P,M
03/26/2003	FMETL	185	77100	134	1.74	1.28	9.77				V,S,P,M
06/06/2003	FMETL	ND	46800	109	ND	1.74	9.46				V,S,P,M
09/11/2003	FMETL	224	23700	113	ND	0.933	10.21				V,S,P,M

SOURCE: 00M2MW13

Sampling Dates:
09/27/2000 - 09/11/2003

NOTES:

Silver in blank > GW Criteria for May 97.

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Bldg M-2

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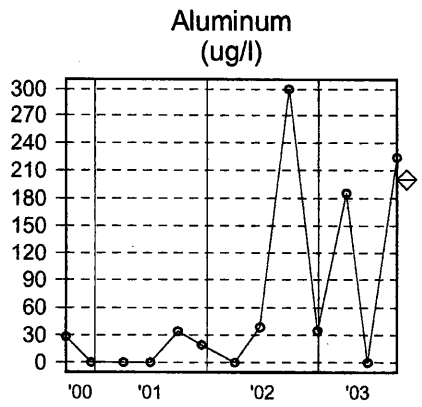

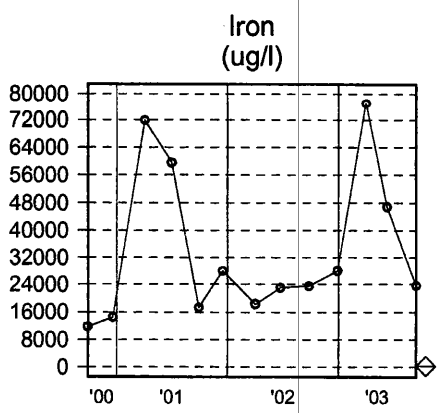

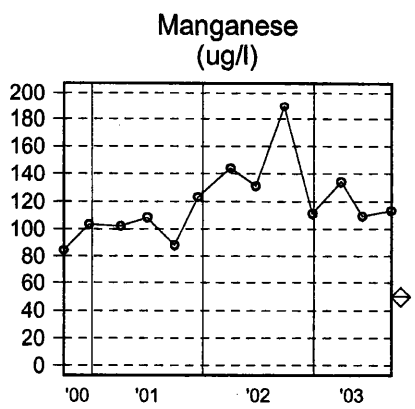

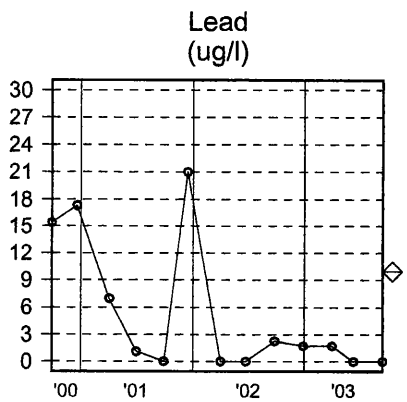

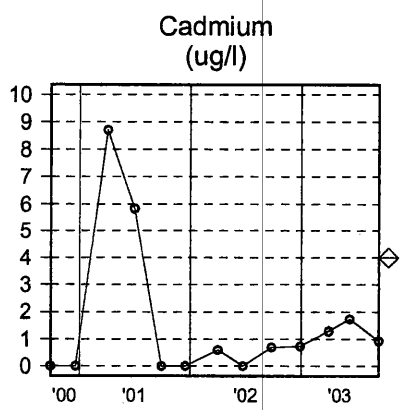

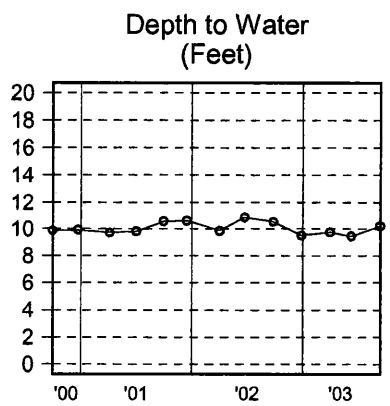

SOURCE: 00M2MW13

Sampling Dates:
09/27/2000 - 09/11/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 13 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Cadmium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	300	50	10	4	-				-
09/26/2000	FMETL	61.9	31600	226	ND	ND	10.97				V,S,P,M
12/20/2000	FMETL	80.5	43600	280	ND	ND	11.03				V,S,P,M
03/29/2001	FMETL	ND	38300	287	5.00	4.50	10.05				V,S,P,M
06/27/2001	FMETL	ND	31500	205	ND	3.23	10.11				V,S,P,M
09/27/2001	FMETL	63.3	21100	165	ND	ND	11.86				V,S,P,M
12/14/2001	FMETL	137	39000	214	10.2	0.557	12.31				V,S,P,M
03/27/2002	FMETL	74.4	34500	190	2.72	1.73	11.16				V,S,P,M
06/20/2002	FMETL	141	32200	193	ND	ND	11.86				V,S,P,M
09/24/2002	FMETL	375	38800	262	2.27	1.60	11.79				V,S,P,M
12/27/2002	FMETL	128	24100	246	1.76	1.15	9.83				V,S,P,M
03/26/2003	FMETL	152	36900	247	2.31	0.912	9.92				V,S,P,M
06/06/2003	FMETL	64.0	25000	208	ND	1.10	9.59				V,S,P,M
09/11/2003	FMETL	312	27200	193	ND	1.13	11.05				V,S,P,M

SOURCE: 00M2MW14

Sampling Dates:
09/26/2000 - 09/11/2003

NOTES:

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FORT MONMOUTH

GW MONITORING
Bldg M-2

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FORT MONMOUTH
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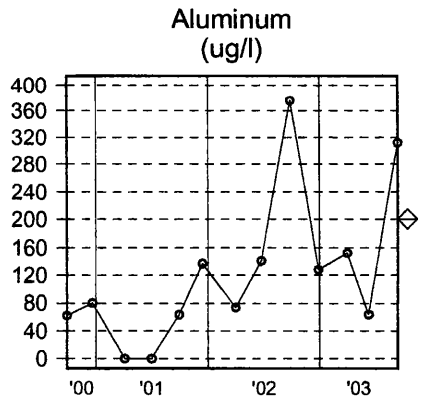

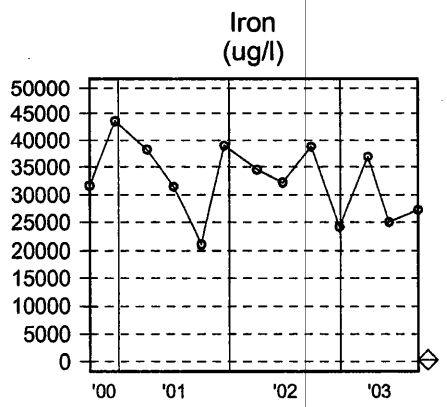

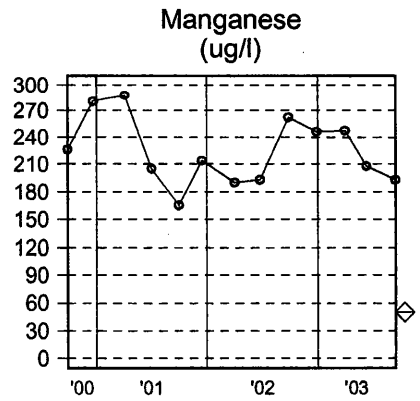

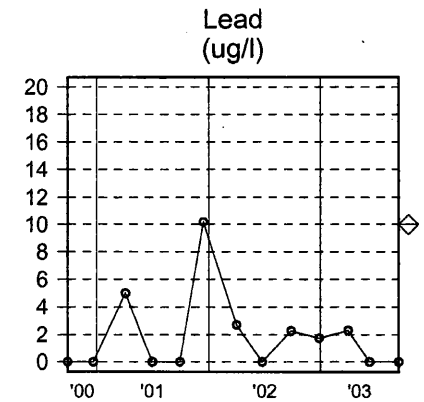

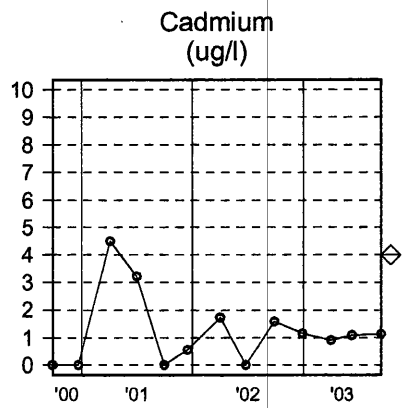

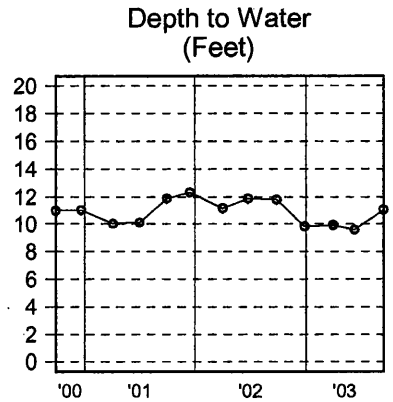

SOURCE: 00M2MW14

Sampling Dates:
09/26/2000 - 09/11/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	200	300	50	10	-					-
09/26/2000	FMETL	17.1	3790	52.4	ND	9.87					V,S,P,M
12/20/2000	FMETL	72.0	3780	96.4	6.57	10.12					V,S,P,M
03/29/2001	FMETL	80.0	18900	197	6.00	9.53					V,S,P,M
03/29/2001D	FMETL	50.0	17100	193	6.00	9.53					V,S,P,M
06/27/2001	FMETL	89.1	10000	104	1.09	9.61					V,S,P,M
09/27/2001	FMETL	202	2150	72.0	1.26	10.55					V,S,P,M
12/20/2001	FMETL	217	10500	71.0	229	10.96					V,S,P,M
03/27/2002	FMETL	625	2160	89.1	1.68	10.23					V,S,P,M
06/19/2002	FMETL	930	4030	60.8	4.18	10.11					V,S,P,M
09/24/2002	FMETL	263	2190	39.8	1.64	10.58					V,S,P,M
12/30/2002	FMETL	133	13600	170	1.59	9.31					V,S,P,M
03/25/2003	FMETL	98.7	278	48.7	ND	9.54					V,S,P,M
06/06/2003	FMETL	258	5190	85.7	ND	9.43					V,S,P,M
09/11/2003	FMETL	144	6940	68.5	ND	10.14					V,S,P,M

SOURCE: 00M2MW15

Sampling Dates:
09/26/2000 - 09/11/2003

NOTES:

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FORT MONMOUTH

GW MONITORING
Bldg M-2

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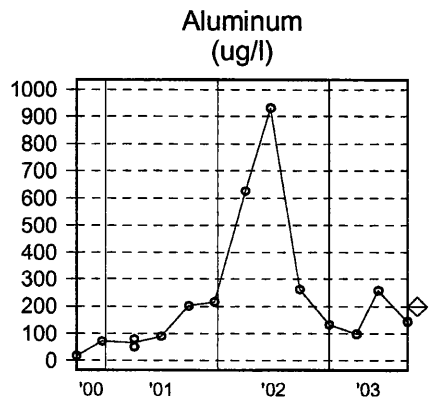
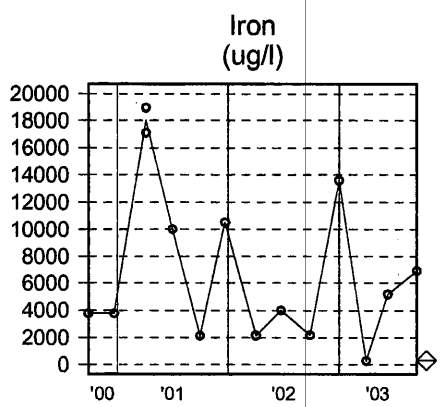
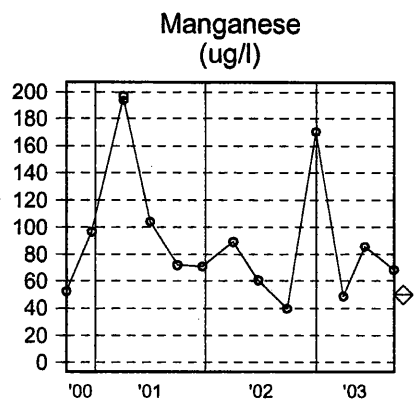
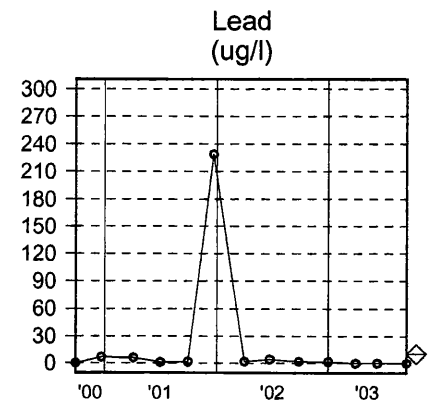
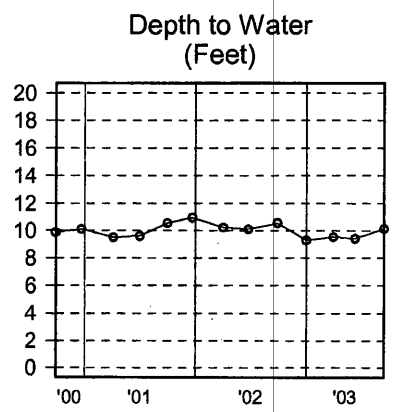
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 00M2MW15

Sampling Dates:
09/26/2000 - 09/11/2003

LEGEND:

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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FORT MONMOUTH
SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Cadmium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	300	50	10	4	-				-
09/26/2000	FMETL	20.5	16300	242	ND	ND	7.84				V,S,P,M
09/26/2000D	FMETL	13.9	16000	238	2.37	ND	7.84				V,S,P,M
12/20/2000	FMETL	44.4	13200	231	ND	ND	8.51				V,S,P,M
03/28/2001	FMETL	200	15100	320	9.00	2.90	7.71				V,S,P,M
06/27/2001	FMETL	ND	29300	242	23.2	3.83	7.87				V,S,P,M
09/27/2001	FMETL	38.3	14600	184	1.26	ND	9.33				V,S,P,M
12/30/2001	FMETL	ND	27400	401	3.82	ND	10.10				V,S,P,M
03/26/2002	FMETL	311	42500	1220	7.02	1.66	8.65				V,S,P,M
06/19/2002	FMETL	124	14200	441	1.28	0.616	8.79				V,S,P,M
09/25/2002	FMETL	174	26800	800	5.21	1.01	9.71				V,S,P,M
12/30/2002	FMETL	158	2520	376	5.26	4.50	7.01				V,S,P,M
03/25/2003	FMETL	49.7	201	141	3.31	3.51	6.65				V,S,P,M
06/06/2003	FMETL	625	15000	198	46.3	4.12	6.41				V,S,P,M
09/09/2003	FMETL	169	14500	283	10.8	1.73	8.25				V,S,P,M

SOURCE: 00M2MW16

Sampling Dates:
09/26/2000 - 09/09/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

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U.S.ARMY
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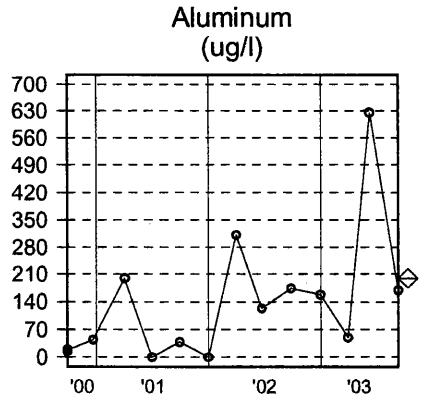
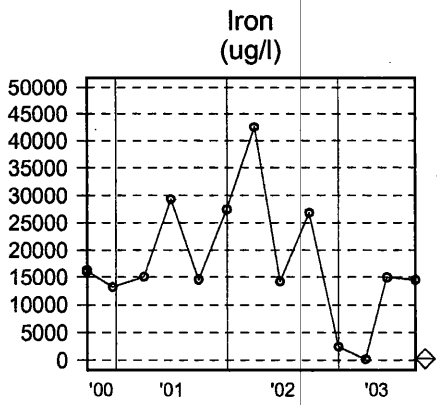
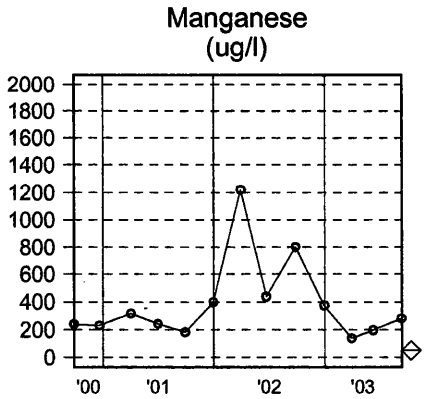
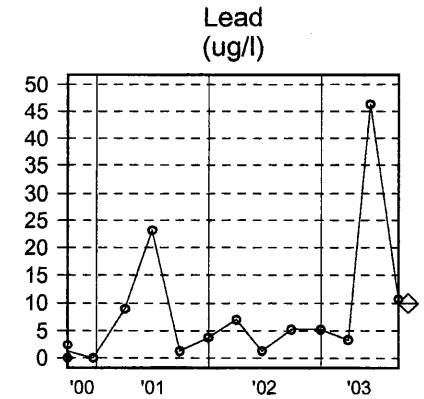
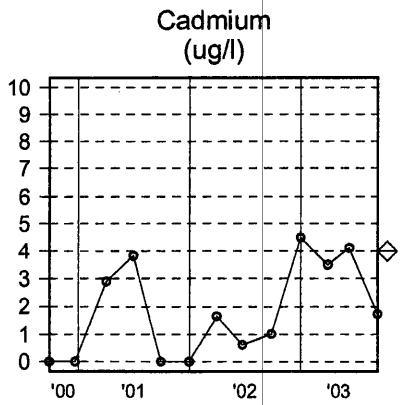
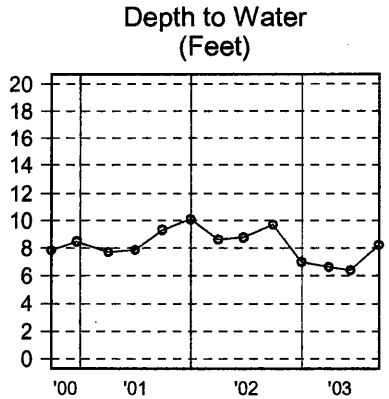












SOURCE: 00M2MW16

Sampling Dates:
09/26/2000 - 09/09/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 16 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Aluminum	Iron	Manganese	Lead	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	200	300	50	10	-					-
09/25/2000	FMETL	2820	3510	21.7	79.3	10.01					V,S,P,M
12/26/2000	FMETL	332	541	18.8	ND	10.95					V,S,P,M
03/28/2001	FMETL	500	950	37.4	ND	9.23					V,S,P,M
06/27/2001	FMETL	ND	145	26.8	ND	9.31					V,S,P,M
09/26/2001	FMETL	319	770	21.6	ND	12.29					V,S,P,M
12/20/2001	FMETL	546	1500	25.0	2.26	12.57					V,S,P,M
03/26/2002	FMETL	798	342	32.6	ND	11.79					V,S,P,M
06/19/2002	FMETL	277	236	21.8	ND	11.88					V,S,P,M
09/24/2002	FMETL	237	75600	542	8.55	12.52					V,S,P,M
12/30/2002	FMETL	647	885	48.8	ND	8.39					V,S,P,M
03/25/2003	FMETL	237	116	23.3	ND	6.37					V,S,P,M
06/09/2003	FMETL	173	130	30.3	ND	5.80					V,S,P,M
09/10/2003	FMETL	423	675	29.8	ND	11.01					V,S,P,M

SOURCE: 00M2MW17

Sampling Dates:
09/25/2000 - 09/10/2003

NOTES:

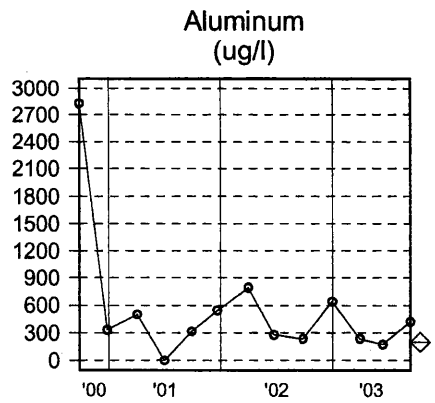
Silver in blank > GW Criteria for May 97.

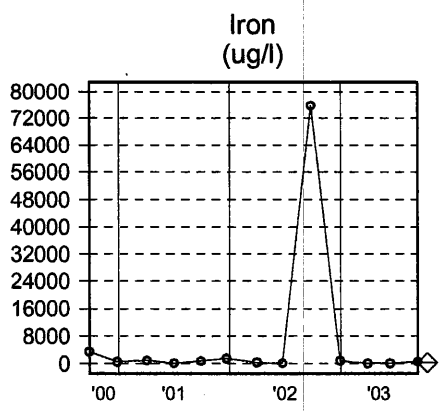
FORT MONMOUTH

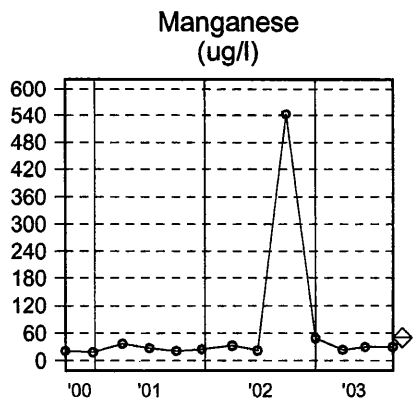
GW MONITORING
Bldg M-2

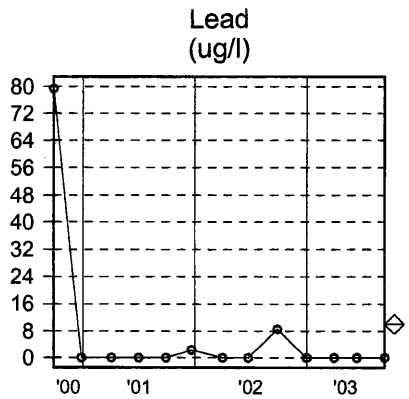
Source 17 of 24

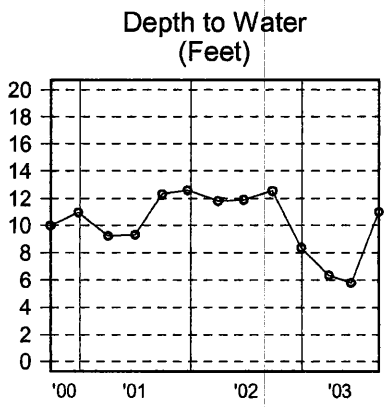
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 00M2MW17

Sampling Dates:
09/25/2000 - 09/10/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 17 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	tert-Butyl alcohol	Iron	Manganese	Lead	Cadmium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	NLE	300	50	10	4	-				-
09/25/2000	FMETL	ND	18800	138	8.66	ND	5.21				V,S,P,M
12/26/2000	FMETL	ND	20900	83.2	ND	ND	6.59				V,S,P,M
03/28/2001	FMETL	ND	47900	102	5.00	4.90	6.19				V,S,P,M
06/27/2001	FMETL	ND	35200	85.2	ND	3.57	6.27				V,S,P,M
09/26/2001	FMETL	156.67	20000	78.3	ND	ND	6.85				V,S,P,M
12/20/2001	FMETL	187.48	23700	79.5	29.4	ND	6.84				V,S,P,M
03/26/2002	FMETL	ND	66900	89.5	3.08	1.91	6.50				V,S,P,M
06/19/2002	FMETL	249.17	25000	76.8	1.78	ND	6.69				V,S,P,M
09/24/2002	FMETL	209.9	19200	75.7	ND	1.24	6.93				V,S,P,M
12/30/2002	FMETL	ND	62300	88.0	1.35	1.52	7.87				V,S,P,M
03/25/2003	FMETL	ND	6180	69.1	ND	ND	6.16				V,S,P,M
06/09/2003	FMETL	ND	31400	95.2	ND	0.941	5.79				V,S,P,M
09/10/2003	FMETL	ND	20200	68.5	ND	0.874	6.65				V,S,P,M

SOURCE: 00M2MW18

Sampling Dates:
09/25/2000 - 09/10/2003

NOTES:

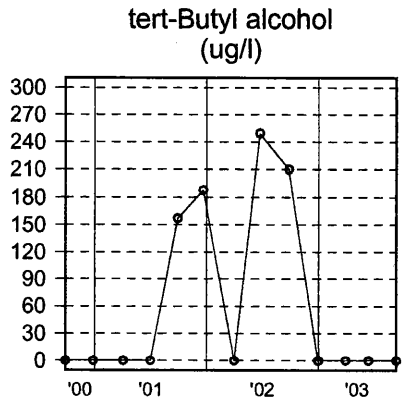
Silver in blank > GW Criteria for May 97.

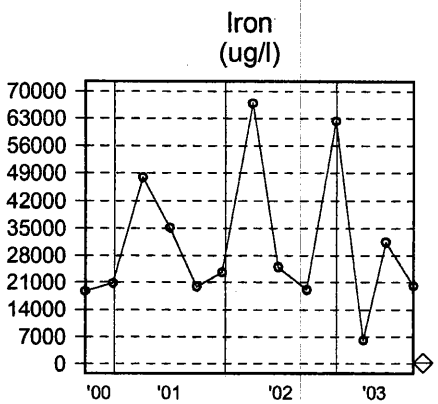
FORT MONMOUTH

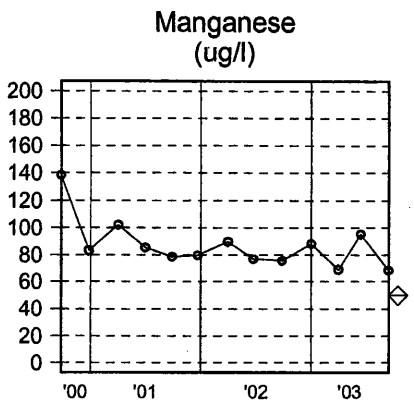
GW MONITORING
Bldg M-2

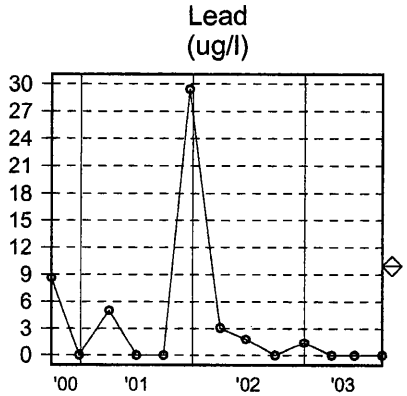
Source 18 of 24

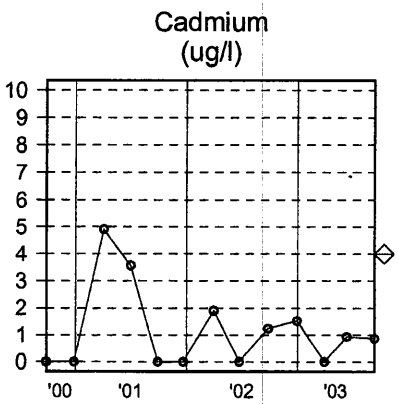
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

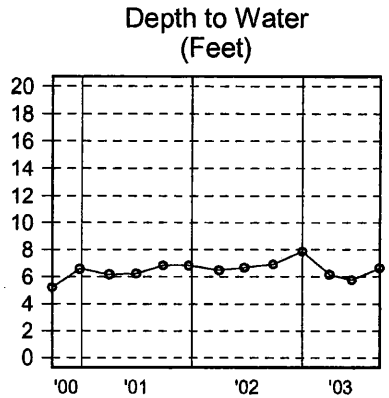












SOURCE: 00M2MW18

Sampling Dates:
09/25/2000 - 09/10/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 18 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Iron	Manganese	Depth to Water							Notes
Units:	-	ug/l	ug/l	Feet							-
NJDEP Criteria:	-	300	50	-							-
09/29/2000	FMETL	484	54.5	7.61							V,S,P,M
12/26/2000	FMETL	248	6.19	8.99							V,S,P,M
03/26/2001	FMETL	500	62.3	7.89							V,S,P,M
06/26/2001	FMETL	297	32.7	8.65							V,S,P,M
09/27/2001	FMETL	408	35.8	9.75							V,S,P,M
11/30/2001	FMETL	701	70.5	9.91							V,S,PM
03/26/2002	FMETL	517	59.1	9.30							V,S,P,M
06/19/2002	FMETL	1160	39.4	9.35							V,S,P,M
09/20/2002	FMETL	315	37.4	9.83							V,S,P,M
12/27/2002	FMETL	131	1.61	7.81							V,S,P,M
03/25/2003	FMETL	92.6	7.30	7.93							V,S,P,M
06/09/2003	FMETL	553	60.2	7.23							V,S,P,M
09/15/2003	FMETL	309	25.1	9.01							V,S,P,M

SOURCE: 00M2MW19

Sampling Dates:
09/29/2000 - 09/15/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 19 of 24

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FORT MONMOUTH
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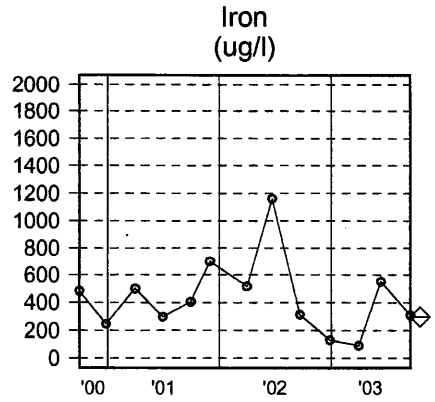

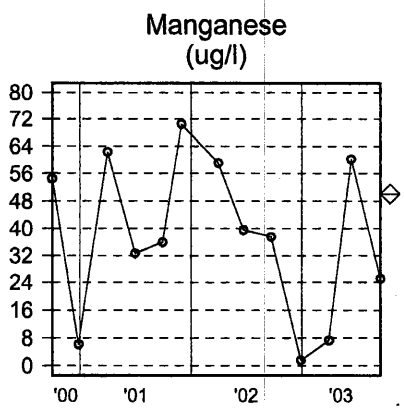

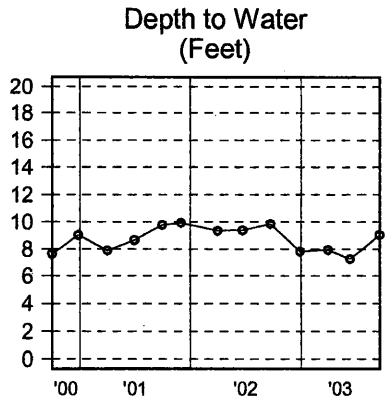

SOURCE: 00M2MW19

Sampling Dates:
09/29/2000 - 09/15/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 19 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Iron	Manganese	Lead	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	300	50	10	-						-
09/29/2000	FMETL	1110	53.6	ND	10.04						V,S,P,M
12/26/2000	FMETL	705	17.3	ND	11.35						V,S,P,M
03/26/2001	FMETL	660	40.5	31.0	10.53						V,S,P,M
03/26/2001D	FMETL	620	37.8	ND	10.53						V,S,P,M
06/26/2001	FMETL	3370	60.9	ND	10.62						V,S,P.M
09/26/2001	FMETL	898	31.7	ND	11.70						V,S,P,M
11/30/2001	FMETL	614	41.1	ND	11.83						V,S,P,M
03/26/2002	FMETL	693	28.4	ND	11.22						V,S,P,M
06/19/2002	FMETL	1860	54.0	ND	11.45						V,S,P,M
09/20/2002	FMETL	586	23.5	9.29	11.71						V,S,P,M
12/27/2002	FMETL	357	11.8	ND	10.42						V,S,P,M
03/26/2003	FMETL	272	18.0	ND	10.63						V,S,P,M
06/09/2003	FMETL	518	40.6	ND	10.10						V,S,P,M
09/15/2003	FMETL	509	31.0	ND	11.43						V,S,P,M

SOURCE: 00M2MW20

Sampling Dates:
09/29/2000 - 09/15/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 20 of 24

U.S.ARMY
FORT MONMOUTH
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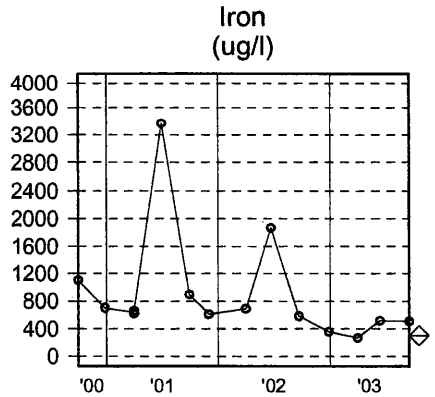

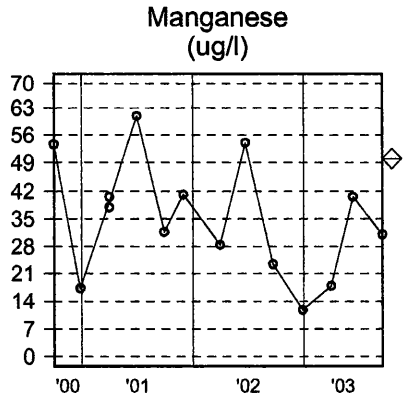

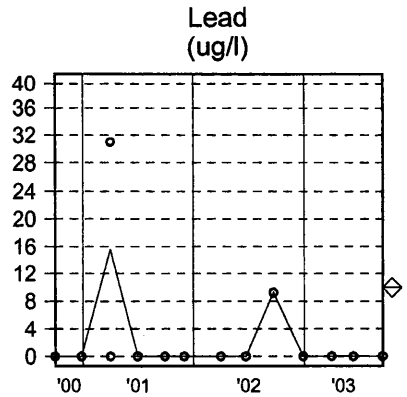

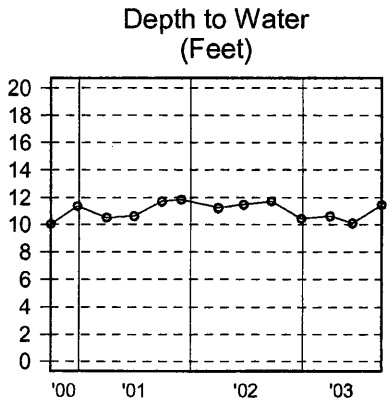

SOURCE: 00M2MW20

Sampling Dates:
09/29/2000 - 09/15/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 20 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Cadmium	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	1	4	200	300	50	10	4	-		-
09/25/2000	FMETL	2.98	46.86	42.7	64700	644	2.28	ND	9.41		V,S,P,M
12/26/2000	FMETL	4.69	62.09	195	75400	664	10.7	ND	10.93		V,S,P,M
03/28/2001	FMETL	2.14	48.65	200	45300	466	10.0	5.00	9.97		V,S,P,M
06/27/2001	FMETL	2.04	41.06	ND	50600	596	6.91	4.78	10.01		V,S,P,M
09/26/2001	FMETL	3.11	42.08	140	63700	672	2.03	ND	11.46		V,S,P,M
12/20/2001	FMETL	2.12	30.10	ND	80000	792	6.75	0.789	11.64		V,S,P,M
03/26/2002	FMETL	2.69	49.0	189	76200	562	6.76	2.07	10.71		V,S,P,M
06/19/2002	FMETL	3.40	49.87	82.2	72700	532	5.49	ND	10.98		V,S,P,M
09/24/2002	FMETL	2.66	56.87	296	664	18.2	ND	ND	11.39		V,S,P,M
12/30/2002	FMETL	2.03	47.85	57.3	44700	437	2.95	ND	9.01		V,S,P,M
03/25/2003	FMETL	1.09	26.03	79.0	34000	415	1.54	0.475	9.67		V,S,P,M
06/06/2003	FMETL	1.33	29.42	38.5	31500	392	0.932	1.38	9.38		V,S,P,M
09/09/2003	FMETL	ND	7.59	87.6	51100	628	2.49	2.00	10.74		V,S,P,M

SOURCE: 00M2MW21

Sampling Dates:
09/25/2000 - 09/09/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 21 of 24

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FORT MONMOUTH
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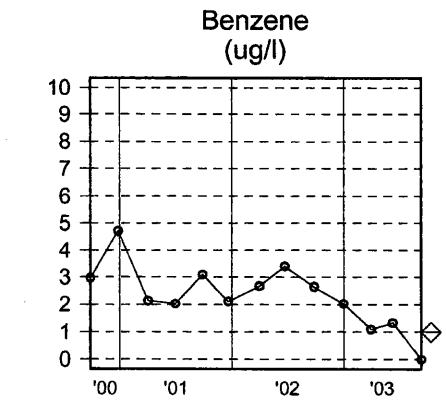

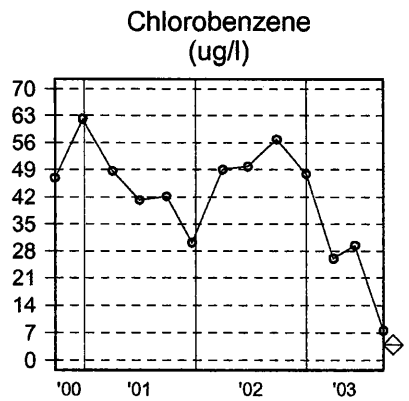

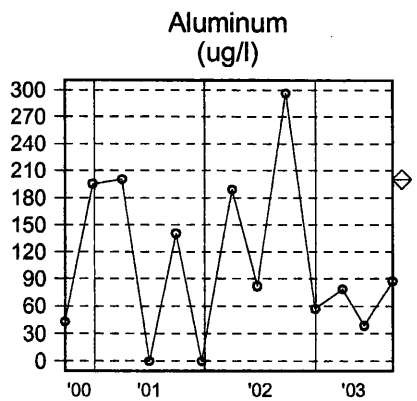

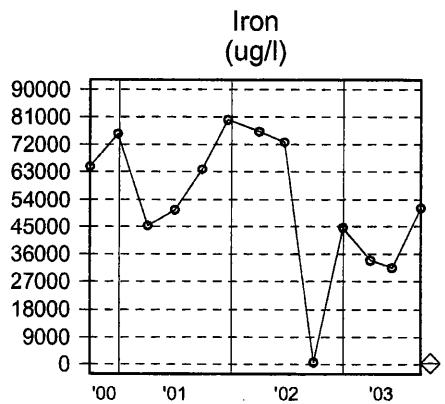

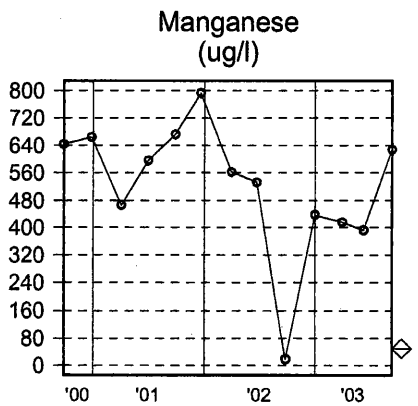

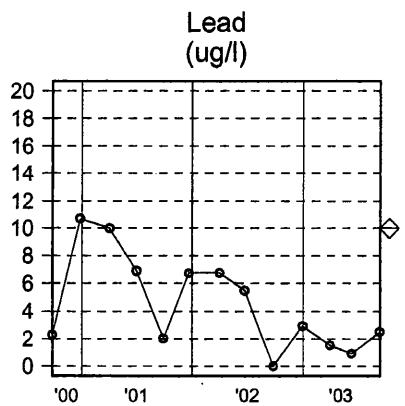

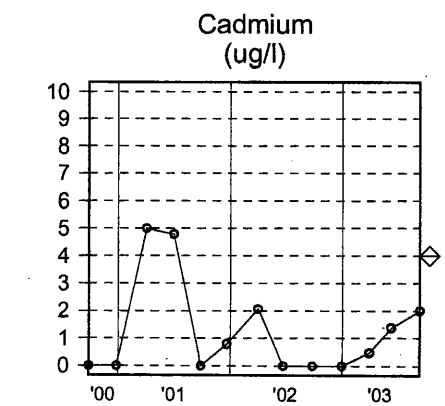

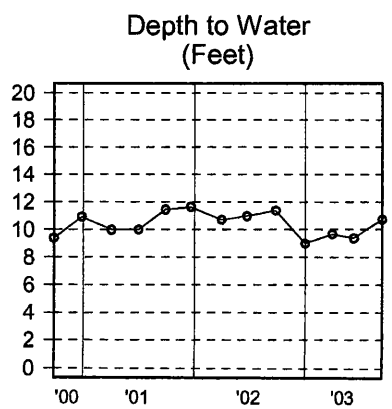

SOURCE: 00M2MW21

Sampling Dates:
09/25/2000 - 09/09/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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GW MONITORING
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Source 21 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	tert-Butyl alcohol	Iron	Manganese	Cadmium	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	NLE	300	50	4	-					-
09/25/2000	FMETL	389.61	33500	103	ND	7.61					V,S,P,M
09/25/2000D	FMETL	412.47	32900	106	ND	7.61					V,S,P,M
12/26/2000	FMETL	779.33	36800	193	ND	8.41					V,S,P,M
03/28/2001	FMETL	404.19	46300	102	4.50	7.88					V,S,P,M
06/26/2001	FMETL	437.62	42400	130	4.05	7.82					V,S,P,M
09/26/2001	FMETL	804.15	46200	165	ND	8.66					V,S,P,M
12/20/2001	FMETL	784.06	44700	180	ND	8.60					V,S,P,M
03/26/2002	FMETL	597.69	44800	103	1.28	8.14					V,S,P,M
06/19/2002	FMETL	496.34	40700	104	ND	8.44					V,S,P,M
09/24/2002	FMETL	236.7	34900	115	0.67	8.68					V,S,P,M
12/30/2002	FMETL	355.30	47300	96.8	0.811	7.83					V,S,P,M
03/25/2003	FMETL	188.07	17200	82.5	0.492	7.95					V,S,P,M
06/09/2003	FMETL	315.47	47600	104	1.71	7.46					V,S,P,M

SOURCE: 00M2MW22

Sampling Dates:
09/25/2000 - 06/09/2003

NOTES:

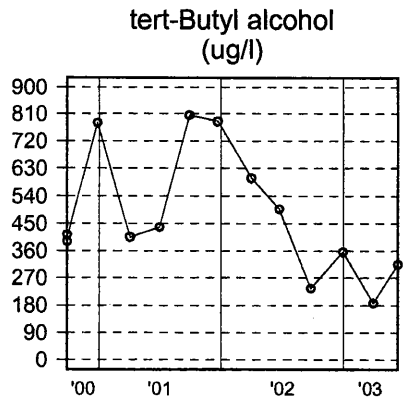
Silver in blank > GW Criteria for May 97.

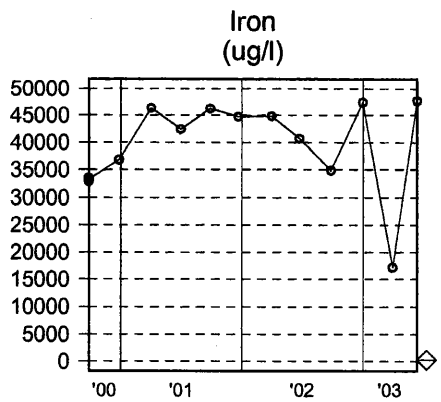
FORT MONMOUTH

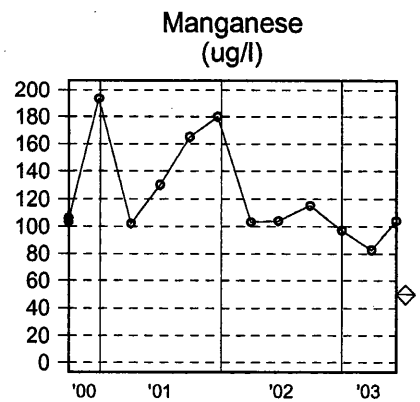
GW MONITORING
Bldg M-2

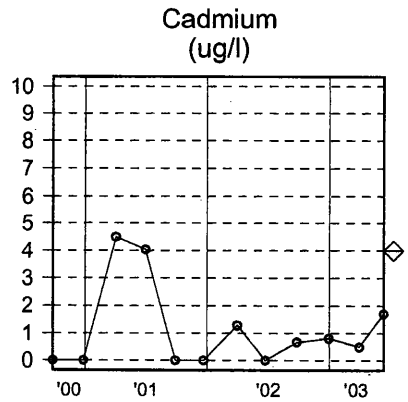
Source 22 of 24

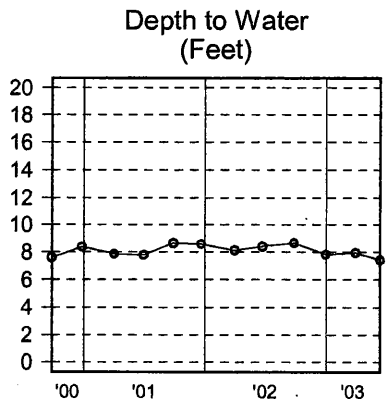
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 00M2MW22

Sampling Dates:
09/25/2000 - 06/09/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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Bldg M-2

Source 22 of 24, Graph

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10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Aluminum	Iron	Manganese	Lead	Cadmium	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	1	4	200	300	50	10	4	-		-
09/27/2000	FMETL	ND	3.39	ND	5890	47.0	ND	ND	9.21		V,S,P,M
12/20/2000	FMETL	3.49	28.42	ND	39300	174	ND	ND	10.95		V,S,P,M
03/29/2001	FMETL	7.56	57.06	ND	110000	438	16.0	13.4	10.16		V,S,P,M
06/26/2001	FMETL	5.70	38.93	ND	81700	378	3.96	7.85	10.11		V,S,P,M
09/26/2001	FMETL	2.80	22.26	2600	36300	192	13.4	ND	11.23		V,S,P,M
09/26/2001D	FMETL	2.78	22.81	1560	36900	192	4.74	ND	11.23		V,S,P,M
12/20/2001	FMETL	5.27	43.84	ND	47300	192	3.16	ND	11.76		V,S,P,M
03/27/2002	FMETL	5.20	46.5	ND	64500	255	1.73	2.22	10.62		V,S,P,M
06/20/2002	FMETL	2.85	21.59	193	40400	164	1.58	1.06	11.11		V,S,P,M
09/25/2002	FMETL	6.38	68.93	ND	70800	302	3.64	1.71	11.32		V,S,P,M
12/27/2002	FMETL	2.22	22.03	ND	9440	104	ND	ND	9.93		V,S,P,M
03/26/2003	FMETL	ND	7.19	236	40500	87.6	2.86	0.693	9.98		V,S,P,M
06/06/2003	FMETL	3.57	30.55	ND	42400	203	ND	1.38	9.71		V,S,P,M
09/11/2003	FMETL	2.75	25.7	157	10200	66.7	ND	0.472	10.97		V,S,P,M

SOURCE: 00M2MW23

Sampling Dates:
09/27/2000 - 09/11/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 23 of 24

U.S.ARMY
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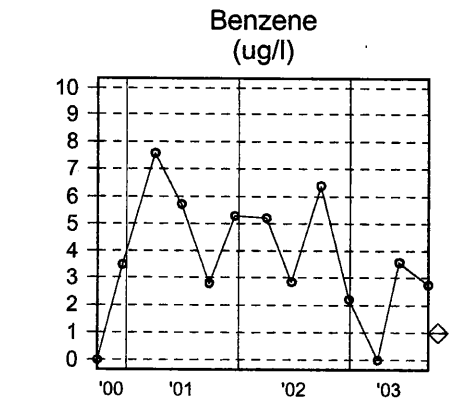
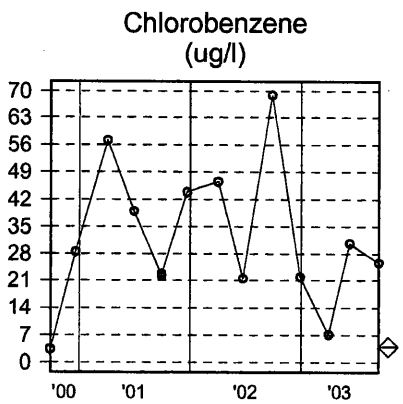
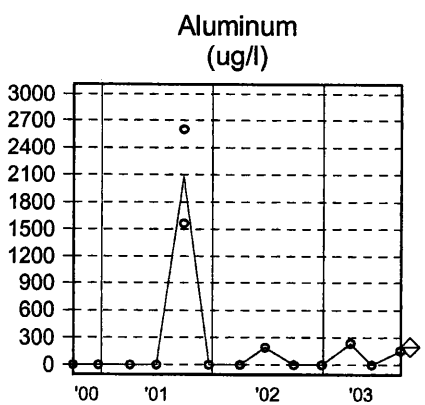
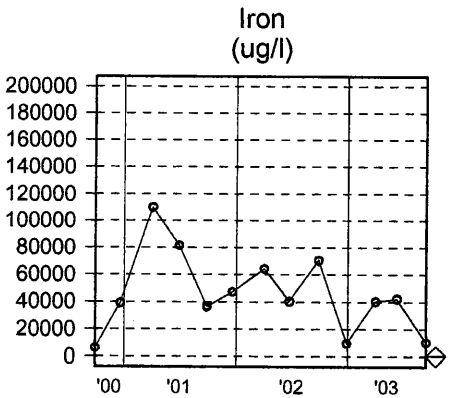
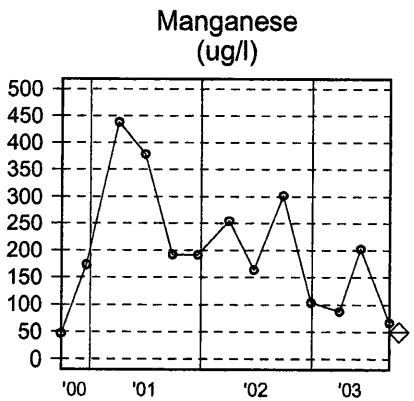
SELFM-PW-EV

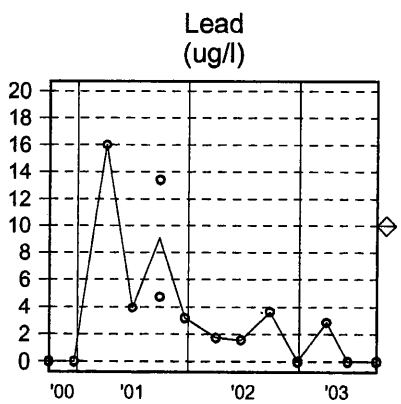


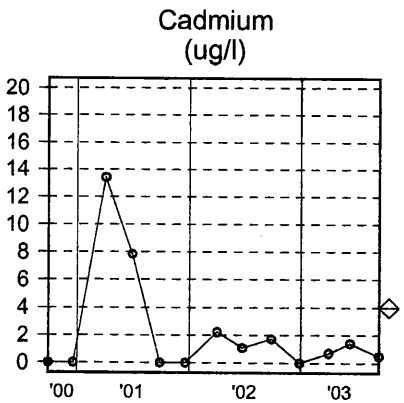


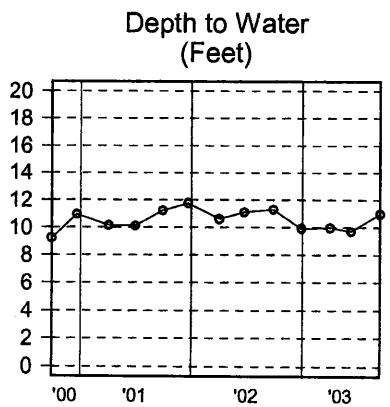












SOURCE: 00M2MW23

Sampling Dates:
09/27/2000 - 09/11/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 23 of 24, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-07-2003 X:\MtechData\M-2\M2.WSF

	Lab	Benzene	Chloro benzene	Iron	Manganese	Lead	Cadmium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	1	4	300	50	10	4	-			-
09/26/2000	FMETL	3.28	9.92	63500	663	ND	ND	5.55			V,S,P,M
12/20/2000	FMETL	3.86	10.65	72400	684	6.15	ND	9.26			V,S,P,M
03/28/2001	FMETL	2.85	8.30	60200	710	61.0	6.50	8.30			V,S,P,M
06/26/2001	FMETL	1.54	5.68	51500	654	2.28	4.77	8.98			V,S,P,M
06/26/2001D	FMETL	1.41	5.16	52700	657	1.32	4.80	8.98			V,S,P,M
09/27/2001	FMETL	1.93	6.38	62000	723	3.50	ND	10.15			V,S,P,M
12/20/2001	FMETL	2.14	6.76	85600	819	4.37	3.49	10.44			V,S,P,M
03/26/2002	FMETL	3.79	11.37	85200	753	3.46	1.60	9.59			V,S,P,M
06/19/2002	FMETL	3.56	11.95	78700	755	2.96	ND	10.05			V,S,P,M
09/25/2002	FMETL	2.65	8.49	75500	820	2.48	1.86	10.08			V,S,P,M
12/30/2002	FMETL	2.22	8.66	65100	823	3.12	O.755	8.30			V,S,P,M
03/26/2003	FMETL	1.72	5.05	45700	660	0.974	0.614	8.33			V,S,P,M
06/06/2003	FMETL	2.27	7.37	58300	685	ND	2.11	8.05			V,S,P,M
09/09/2003	FMETL	2.09	5.49	60600	749	2.25	2.05	9.28			V,S,P,M

SOURCE: 00M2MW24

Sampling Dates:
09/26/2000 - 09/09/2003

NOTES:

Silver in blank > GW Criteria for May 97.

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 24 of 24

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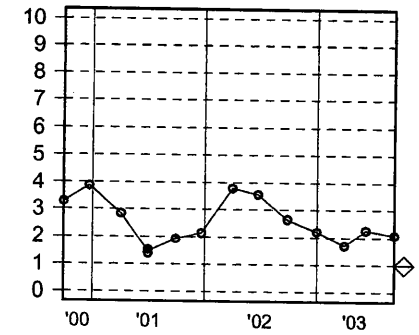
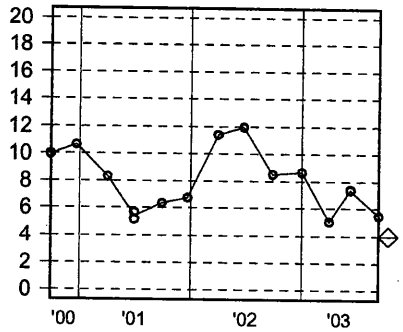
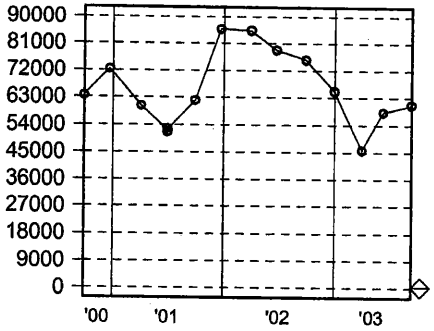
Benzene
(ug/l)



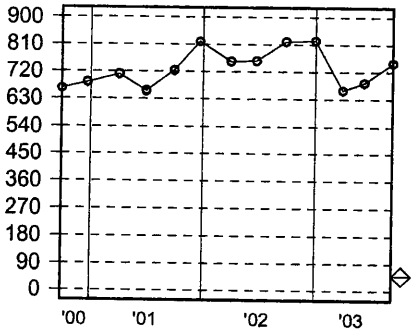
Chlorobenzene
(ug/l)



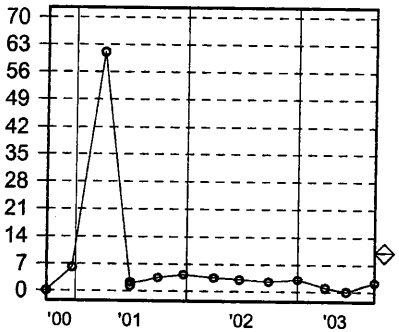
Iron
(ug/l)



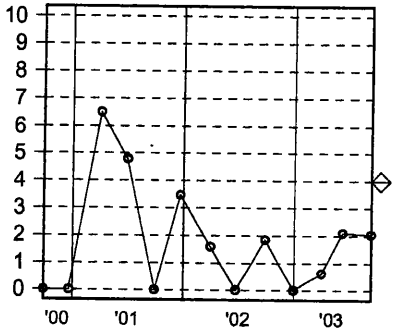
Manganese
(ug/l)



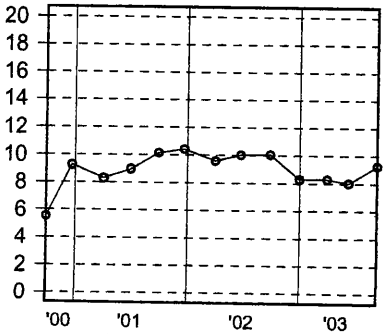
Lead
(ug/l)



Cadmium
(ug/l)



Depth to Water
(Feet)



SOURCE: 00M2MW24

Sampling Dates:
09/26/2000 - 09/09/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-2

Source 24 of 24, Graph

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FORT MONMOUTH
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10-07-2003 X:\MtechData\M-2\M2.WSF

Appendix E

Surface Water Monitoring Well Laboratory Analytical Data, 4th Quarter 2003 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

2-21-03

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

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
Phone #: 426223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: Streams
4th Qrtr '02 Prt1

Samplers Name / Company: Fort Monmouth, TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOTIS	NH_3 / NO_3	PO_4 / SO_4	T. Coli	PCB	pH (su)	Temp (°C)	Dissolved O_2	Remarks / Preservation Method	
20780 01	Trip	11/4/02	0727	AQ	2	✓					—	—	—	Salinity	
02	Field Blank		0815		5	✓	✓	✓		✓	—	—	—	d 20/20	% o
03	Dupe		—		6	✓	✓	✓	✓	✓	—	—	—	—	—
04	Stream Site #22 *		0825		6	✓	✓	✓	✓	✓	7.83	19.7	8.31	1.009	16.0
05	#21		0834			✓	✓	✓	✓	✓	7.89	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	1.006	2.0
08	#19		0859			✓	✓	✓	✓	✓	7.57	18.9	7.77	1.000	0.0
09	#27		0907			✓	✓	✓	✓	✓	7.71	19.2	7.81	1.001	2.0
10	#07		0913			✓	✓	✓	✓	✓	7.76	19.1	7.76	1.001	2.0
11	#28		0921			✓	✓	✓	✓	✓	7.81	18.7	7.81	1.001	2.0
12	#04		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

Comments: HCL/H_2SO_4/4°c

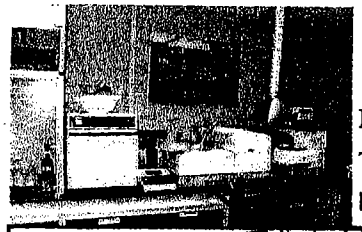
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Tony Miranda	11/4/02 1045	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
		[signature]			

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

Remarks: Tide: H → outgoing

print legibly

Coc10/10/02



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
Phone #: 426223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: Streams
4th Qtr '02 Pt 2

Samplers Name / Company: Corey McCormack, TUS

Analysis Parameters: VOTIS, NH_3/NO_3, PO_4/SO_4, T. Coli, PCB, pH (su), Temp (°C), Dissolved O_2

Comments: HCL/H_2SO_4/<4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOTIS	NH_3/NO_3	PO_4/SO_4	T. Coli	PCB	pH (su)	Temp (°C)	Dissolved O_2	Remarks / Preservation Method	
210780 15	Stream Site #17	11/4/02	0955	AQ	6	✓	✓	✓	✓	✓	7.91	17.9	8.27	1.000	1.0
16	Stream Site #26		1001			✓	✓	✓	✓	✓	7.98	18.3	8.21	1.000	0.0

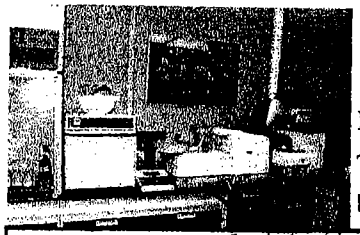
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	11/4/02 1045	J. Clayton			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Tide: H -> outgoing

print legibly

Coc10/10/02



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
Phone #: 426223
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: Streams 4thQrtr '02 pt 2

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters: VOTIS, NH_3/NO_3, PO_4/SO_4, T. Coli, PCB, pH (sw), Temp (°C), Dissolved O_2

Comments: HCL/H_2SO_4/4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOTIS	NH_3/NO_3	PO_4/SO_4	T. Coli	PCB	pH (sw)	Temp (°C)	Dissolved O_2	Remarks / Preservation Method	
20787 01	Trip	11/5/02	0730	AQ	2	✓					—	—	—	Salinity	
02	Field Blank		0900		5	✓	✓	✓		✓	—	—	—	d 20/20	‰
03	Dupe		—		6	✓	✓	✓	✓	✓	—	—	—	—	—
04	Stream Site #12		0915		6	✓	✓	✓	✓	✓	7.80	17.7	8.76	1.000	0
05	#14		0927			✓	✓	✓	✓	✓	7.85	17.9	8.79	1.000	0
06	#11		0935			✓	✓	✓	✓	✓	7.81	17.4	8.91	1.000	0
07	#15		0947			✓	✓	✓	✓	✓	7.71	17.9	8.11	1.004	5
08	#23		0953			✓	✓	✓	✓	✓	7.74	18.1	8.30	1.004	5
09	#24		1007			✓	✓	✓	✓	✓	7.75	18.7	8.23	1.004	5
10	#16		1015			✓	✓	✓	✓	✓	7.79	18.9	8.29	1.005	6
11	#03		1022			✓	✓	✓	✓	✓	7.64	18.7	8.33	1.002	2
12	#14		1029			✓	✓	✓	✓	✓	7.66	17.6	8.77	1.000	0
13	#13		1038			✓	✓	✓	✓	✓	7.62	17.5	8.76	1.000	0

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	11/5/02 1050	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
		[signature]			

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

Remarks: Tide: H → outgoing

print legibly

Coc10/10/02

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	Sample Name	MB 15Nov02
Operator	Skelton	Field ID	MB 15Nov02
Date Aquired	15-Nov-02	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	Sample Name	MB 15Nov02
Operator	Skelton	Field ID	MB 15Nov02
Date Aquired	15-Nov-02	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

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

Data File	**VC008843.D**	Sample Name	**2078001**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**15-Nov-02**	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

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

Data File	VC008843.D	Sample Name	2078001
Operator	Skelton	Field ID	Trip Blank
Date Aquired	15-Nov-02	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
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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

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

Data File	**VC008861.D**	Sample Name	**2078701**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**15-Nov-02**	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**	Sample Name	**2078701**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**15-Nov-02**	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:
(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 Number #13461

Data File	**VC008844.D**	Sample Name	**2078002**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**15-Nov-02**	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**	Sample Name	**2078002**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**15-Nov-02**	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
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R.T. = Retention Time

C:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

1E

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/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 Number #13461

Data File	**VC008862.D**	Sample Name	**2078702**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**15-Nov-02**	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	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	VC008862.D	Sample Name	2078702
Operator	Skelton	Field ID	Field Blank
Date Aquired	15-Nov-02	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

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

Data File	**VC008845.D**	Sample Name	**2078003**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**15-Nov-02**	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	**VC008845.D**	Sample Name	**2078003**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**15-Nov-02**	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: **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/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 Number #13461

Data File	**VC008863.D**	Sample Name	**2078703**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**16-Nov-02**	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	1,1,2,2-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

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

Data File	**VC008863.D**	Sample Name	**2078703**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**16-Nov-02**	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

1E

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:
(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 Number #13461

Data File	**VC008871.D**	Sample Name	**2078711**
Operator	**Skelton**	Field ID	**StreamSite#03**
Date Aquired	**16-Nov-02**	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

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

Data File	**VC008856.D**	Sample Name	**2078012**
Operator	**Skelton**	Field ID	**StreamSite#04**
Date Aquired	**15-Nov-02**	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

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

Data File	**VC008858.D**	Sample Name	**2078014**
Operator	**Skelton**	Field ID	**StreamSite#05**
Date Aquired	**15-Nov-02**	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: **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

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

Data File	**VC008854.D**	Sample Name	**2078010**
Operator	**Skelton**	Field ID	**StreamSite#07**
Date Aquired	**15-Nov-02**	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

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

Data File	VC008851.D	Sample Name	2078007
Operator	Skelton	Field ID	StreamSite#09
Date Aquired	15-Nov-02	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

1E

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

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

Data File	**VC008866.D**	Sample Name	**2078706**
Operator	**Skelton**	Field ID	**StreamSite#11**
Date Aquired	**16-Nov-02**	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

1E

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/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 Number #13461

Data File	VC008864.D	Sample Name	2078704
Operator	Skelton	Field ID	StreamSite#12
Date Aquired	16-Nov-02	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

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

Data File	**VC008873.D**	Sample Name	**2078713**
Operator	**Skelton**	Field ID	**StreamSite#13**
Date Aquired	**16-Nov-02**	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

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

Data File	**VC008872.D**	Sample Name	**2078712**
Operator	**Skelton**	Field ID	**StreamSite#14**
Date Aquired	**16-Nov-02**	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:
(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 Number #13461

Data File	**VC008867.D**	Sample Name	**2078707**
Operator	**Skelton**	Field ID	**StreamSite#15**
Date Aquired	**16-Nov-02**	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

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

Data File	**VC008870.D**	Sample Name	**2078710**
Operator	**Skelton**	Field ID	**StreamSite#16**
Date Aquired	**16-Nov-02**	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	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

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

Data File	VC008859.D	Sample Name	2078015
Operator	Skelton	Field ID	StreamSite#17
Date Aquired	15-Nov-02	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: **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:
(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 Number #13461

Data File	VC008865.D	Sample Name	2078705
Operator	Skelton	Field ID	StreamSite#18
Date Aquired	16-Nov-02	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

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

Data File	**VC008852.D**	Sample Name	**2078008**
Operator	**Skelton**	Field ID	**StreamSite#19**
Date Aquired	**15-Nov-02**	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

1E

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:
(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 Number #13461

Data File	VC008850.D	Sample Name	2078006
Operator	Skelton	Field ID	StreamSite#20
Date Aquired	15-Nov-02	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: **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

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

Data File	**VC008849.D**	Sample Name	**2078005**
Operator	**Skelton**	Field ID	**StreamSite#21**
Date Aquired	**15-Nov-02**	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

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

Data File	**VC008846.D**	Sample Name	**2078004**
Operator	**Skelton**	Field ID	**StreamSite#22**
Date Aquired	**15-Nov-02**	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

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

Data File	VC008868.D	Sample Name	2078708
Operator	Skelton	Field ID	StreamSite#23
Date Aquired	16-Nov-02	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	24.71	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

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

Data File	**VC008869.D**	Sample Name	**2078709**
Operator	**Skelton**	Field ID	**StreamSite#24**
Date Aquired	**16-Nov-02**	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

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

Data File	**VC008857.D**	Sample Name	**2078013**
Operator	**Skelton**	Field ID	**StreamSite#25**
Date Aquired	**15-Nov-02**	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

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

Data File	**VC008860.D**	Sample Name	**2078016**
Operator	**Skelton**	Field ID	**StreamSite#26**
Date Aquired	**15-Nov-02**	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: **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

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

Data File	**VC008853.D**	Sample Name	**2078009**
Operator	**Skelton**	Field ID	**StreamSite#27**
Date Aquired	**15-Nov-02**	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

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

Data File	VC008855.D	Sample Name	2078011
Operator	Skelton	Field ID	StreamSite#28
Date Aquired	15-Nov-02	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:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

PCB's

TABULATED ANALYTICAL REPORT
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project No.: 20787
Lab. ID. No.: MB 08Nov02 Aq
Filename: PCB11355.D

MATRIX: Aqueous
Date Extracted: 11/8/02
Ext. Batch:
Date Analyzed: 11/16/02

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/Kg)	MDL (ug/Kg)
12674-11-2	Aroclor 1016	ND	1.7
11096-82-5	Aroclor 1260	ND	1.7
11104-28-2	Aroclor 1221	ND	1.7
12672-29-6	Aroclor 1248	ND	1.7
53469-21-9	Aroclor 1242	ND	1.7
11141-16-5	Aroclor 1232	ND	1.7
11097-69-1	Aroclor 1254	ND	1.7

MDL = Method Detection Limit
ND = Not Detected.

Initial Wt.(gms) **30.00**
Final Vol.(ml) **10.00**

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 4th Qrtr. '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.		**MATRIX:** Aqueous
Location:	Streams	4th Qrtr. '02	**Date Extracted:** 11/7/02
Client ID:	Field Blank		**Ext. Batch:**
Lab ID:	2078702s		**Date Analyzed:** 11/16/02
Filename:			**DILUTION:** 1
Lab Project No:	20787		**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:	**Dupe**		**Ext. Batch:**
Lab ID:	**2078003s**		**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.
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:	**Dupe**		**Ext. Batch:**
Lab ID:	**2078703s**		**Date Analyzed: 11/16/02**
Filename:			**DILUTION: 1**
Lab Project No:	**20787**		
			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 Qrtr. '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.

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 # 04**		**Ext. Batch:**
Lab ID:	**2078012s**		**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.
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.
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 # 07**	**Ext. Batch:**	
Lab ID:	**2078010s**	**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.
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**

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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 # 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.
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: 11/8/02**
Client ID:	**Stream Site # 11**		**Ext. Batch:**
Lab ID:	**2078706s**		**Date Analyzed: 11/16/02**
Filename:			**DILUTION: 1**
Lab Project No:	**20787**		
			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 # 12		**Ext. Batch:**
Lab ID:	2078704s		**Date Analyzed:** 11/16/02
Filename:			**DILUTION:** 1
Lab Project No:	20787		
			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: 11/8/02**
Client ID:	**Stream Site # 13**		**Ext. Batch:**
Lab ID:	**2078713s**		**Date Analyzed: 11/16/02**
Filename:			**DILUTION: 1**
Lab Project No:	**20787**		
			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: 11/8/02**
Client ID:	**Stream Site # 14**		**Ext. Batch:**
Lab ID:	**2078712s**		**Date Analyzed: 11/16/02**
Filename:			**DILUTION: 1**
Lab Project No:	**20787**		
			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: 11/8/02**
Client ID:	**Stream Site # 15**		**Ext. Batch:**
Lab ID:	**2078707s**		**Date Analyzed: 11/16/02**
Filename:			**DILUTION: 1**
Lab Project No:	**20787**		
			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

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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:**	**11/8/02**
Client ID:	**Stream Site # 16**	**Ext. Batch:**	
Lab ID:	**2078710s**	**Date Analyzed:**	**11/16/02**
Filename:		**DILUTION:**	**1**
Lab Project No:	**20787**		
		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**

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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 # 17**	**Ext. Batch:**	
Lab ID:	**2078015s**	**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.
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: 11/8/02**
Client ID:	**Stream Site # 18**		**Ext. Batch:**
Lab ID:	**2078705s**		**Date Analyzed: 11/16/02**
Filename:			**DILUTION: 1**
Lab Project No:	**20787**		
			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 # 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.
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 # 20**		**Ext. Batch:**
Lab ID:	**2078006s**		**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.
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 # 21**		**Ext. Batch:**
Lab ID:	**2078005s**		**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.
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 # 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.
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

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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: 11/8/02**
Client ID:	**Stream Site # 23**		**Ext. Batch:**
Lab ID:	**2078708s**		**Date Analyzed: 11/16/02**
Filename:			**DILUTION: 1**
Lab Project No:	**20787**		
			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: 11/8/02**
Client ID:	**Stream Site # 24**		**Ext. Batch:**
Lab ID:	**2078709s**		**Date Analyzed: 11/16/02**
Filename:			**DILUTION: 1**
Lab Project No:	**20787**		
			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 # 25**		**Ext. Batch:**
Lab ID:	**2078013s**		**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.
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 # 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.**		**MATRIX: Aqueous**
Location:	**Streams**	**4th Qrtr. '02**	**Date Extracted: 11/7/02**
Client ID:	**Stream Site # 27**		**Ext. Batch:**
Lab ID:	**2078009s**		**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.
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 # 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

	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			-
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

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

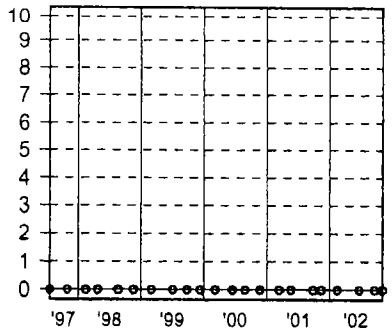
Fort Monmouth

GW Monitoring
Streams

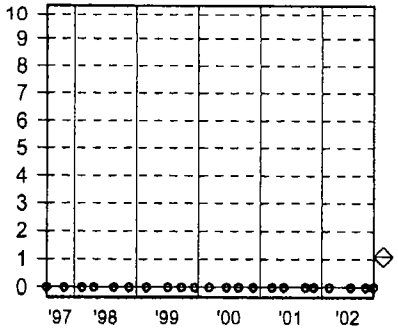
Source 1 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

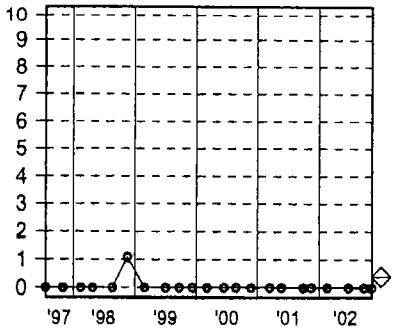
cis-1,2-Dichloroethene
(ug/l)



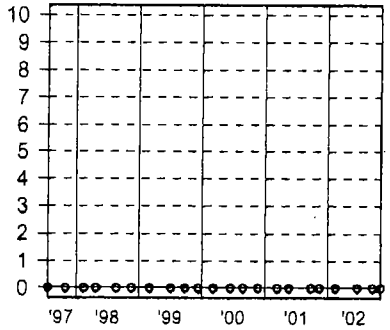
Trichloroethene
(ug/l)



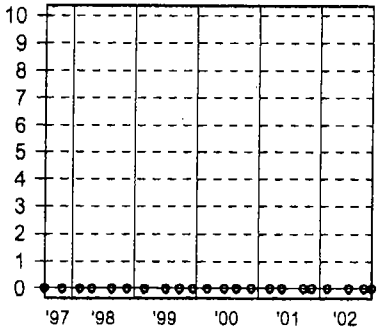
Tetrachloroethene
(ug/l)



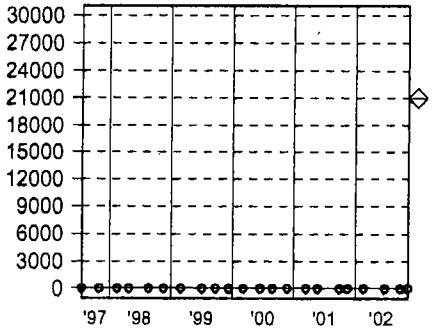
Acetone
(ug/l)



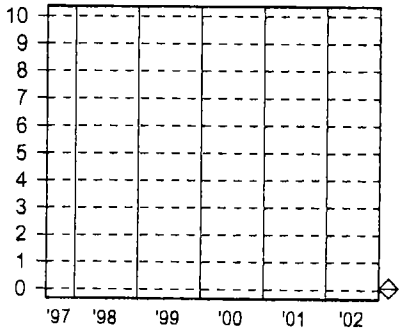
Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 3

Sampling Dates:
07/17/1997 - 11/05/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 1 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-12-2003 X:\MtechData\Streams\STREAMS.WSF

	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	2.18	ND	ND	ND	ND	ND				
07/17/1997	FMETL	1.63	ND	1.61	ND	ND	ND				
10/30/1997	FMETL	ND	ND	1.24	ND	ND	ND				
02/10/1998	FMETL	ND	ND	6.61	ND	ND	ND				
04/21/1998	FMETL	ND	ND	4.42	ND	ND	ND				
08/19/1998	FMETL	1.92	1.10	2.85	ND	ND	ND				
11/17/1998	FMETL	1.19	ND	1.62	ND	ND	ND				
02/25/1999	FMETL	ND	ND	5.61	ND	ND	ND				
06/29/1999	FMETL	2.41	1.56	5.27	ND	ND	ND				
09/22/1999	FMETL	2.02	ND	1.85	ND	ND	ND				
12/09/1999	FMETL	ND	ND	ND	ND	ND	ND				
03/01/2000	FMETL	1.23	1.26	6.18	ND	2.18	ND				
06/12/2000	FMETL	ND	ND	4.37	ND	ND	ND				
08/24/2000	FMETL	1.19	1.19	3.19	ND	ND	ND				
11/20/2000	FMETL	ND	ND	3.70	ND	ND	ND				-
03/08/2001	FMETL	ND	ND	2.52	ND	ND	ND				-
05/16/2001	FMETL	ND	ND	2.95	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	1.64	ND	ND	ND				V
06/18/2002	FMETL	ND	ND	1.97	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				V,P

SOURCE: 4

Sampling Dates:
04/08/1997 - 11/04/2002

NOTES:

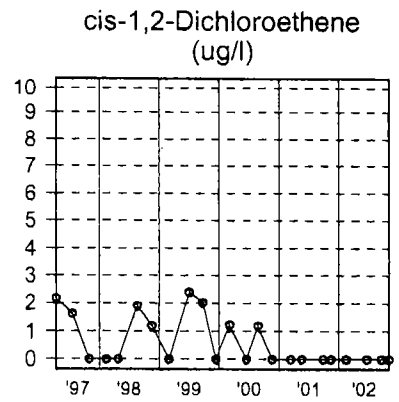
PAGE 1 OF 1
Stream 4 is Salt-Water.
MTBE limit is NLE
cis-1,2-Di limit is NLE
TCE limit is 81
PCE limit is 4.29

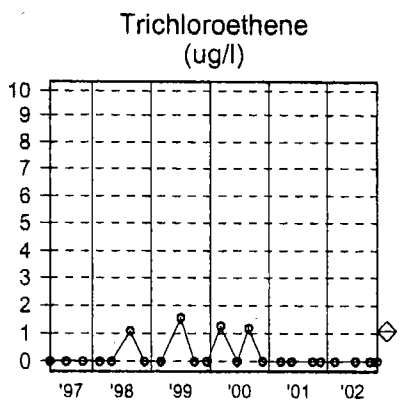
Fort Monmouth

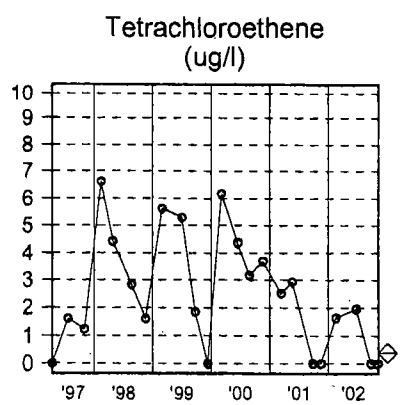
GW Monitoring
Streams

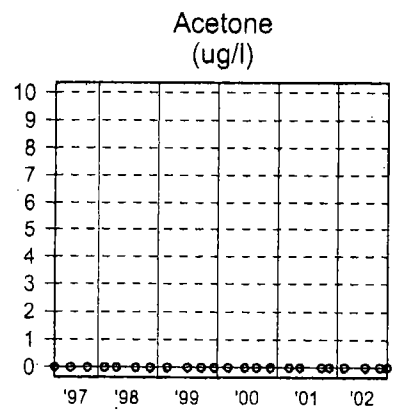
Source 2 of 23

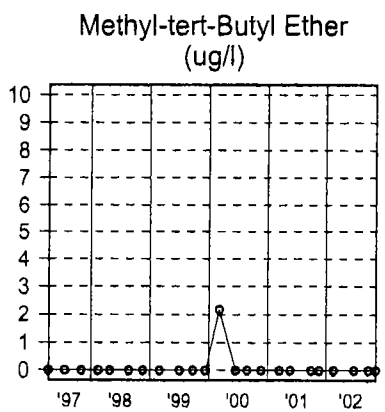
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

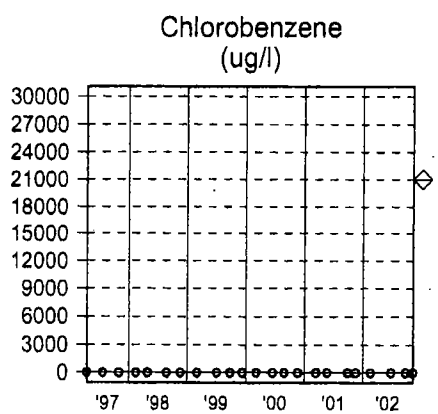


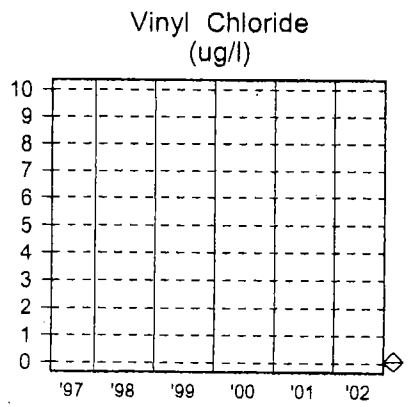












SOURCE: 4

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
SELFM-PW-EV

02-12-2003 X:\MtechData\Streams\STREAMS.WSF

	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	1.80	ND	2.28	ND	ND	ND				
07/17/1997	FMETL	3.66	ND	3.54	ND	ND	ND				
10/30/1997	FMETL	1.83	ND	1.70	ND	ND	ND				
02/10/1998	FMETL	ND	ND	6.34	ND	ND	ND				
04/21/1998	FMETL	ND	ND	4.48	ND	ND	ND				
08/19/1998	FMETL	2.28	1.27	3.39	ND	ND	ND				
11/17/1998	FMETL	1.67	ND	2.17	ND	ND	ND				
02/25/1999	FMETL	ND	ND	5.45	ND	ND	ND				
06/29/1999	FMETL	2.74	1.74	6.04	ND	ND	ND				
09/22/1999	FMETL	1.96	ND	1.82	ND	ND	ND				
12/09/1999	FMETL	1.60	ND	3.82	ND	ND	ND				
03/01/2000	FMETL	1.27	1.36	6.62	ND	2.34	ND				
06/12/2000	FMETL	ND	ND	4.38	ND	ND	ND				
08/24/2000	FMETL	1.19	ND	3.44	ND	ND	ND				
11/20/2000	FMETL	ND	ND	3.58	ND	ND	ND				-
03/08/2001	FMETL	ND	ND	ND	ND	ND	ND				-
05/16/2001	FMETL	0.97	ND	4.09	ND	ND	ND				-
09/25/2001	FMETL	ND	ND	ND	ND	ND	ND				-
11/14/2001	FMETL	1.51	ND	1.99	ND	ND	ND				-
02/11/2002	FMETL	ND	ND	2.44	ND	ND	ND				V
06/18/2002	FMETL	ND	ND	2.39	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				V,P

SOURCE: 5

Sampling Dates:
04/08/1997 - 11/04/2002

NOTES:

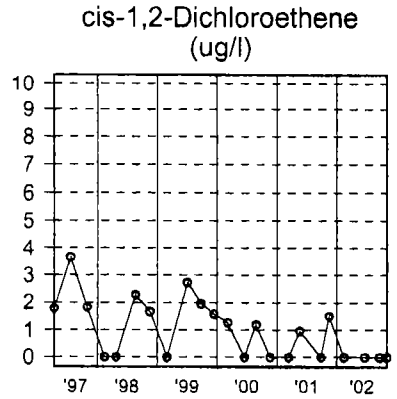
Page 1 of 1
Stream 5 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.

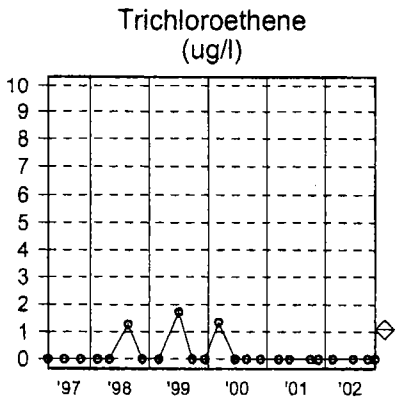
Fort Monmouth

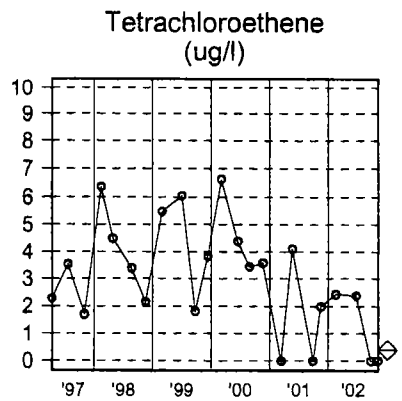
GW Monitoring
Streams

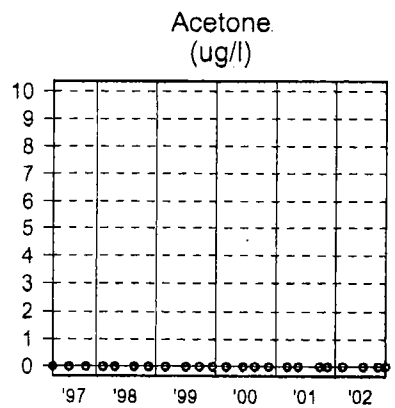
Source 3 of 23

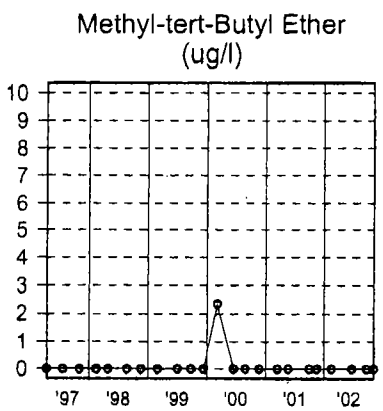
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

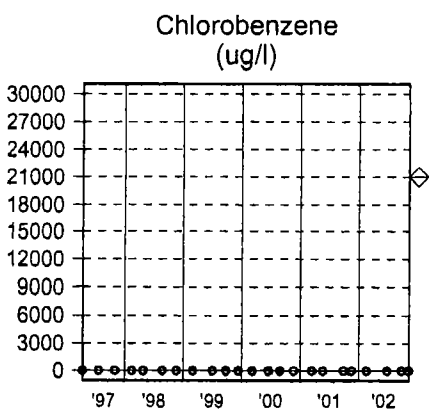


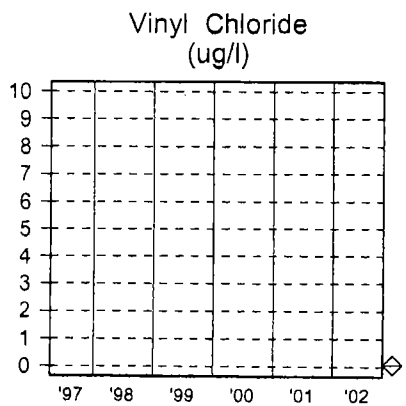












SOURCE: 5

Sampling Dates:
04/08/1997 - 11/04/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 3 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-12-2003 X:\MtechData\Streams\STREAMS.WSF

	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				
07/17/1997	FMETL	1.14	ND	1.08	ND	ND	ND				
10/30/1997	FMETL	ND	ND	ND	ND	ND	ND				
02/10/1998	FMETL	ND	ND	2.04	ND	ND	ND				
04/21/1998	FMETL	ND	ND	2.40	ND	ND	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	2.85	ND	ND	ND				
06/29/1999	FMETL	ND	ND	1.42	2.94	2.00	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	1.19	1.30	6.47	ND	2.14	ND				
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND				
08/24/2000	FMETL	ND	ND	1.77	ND	ND	ND				
11/20/2000	FMETL	ND	ND	1.94	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
11/04/2002	FMETL	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.

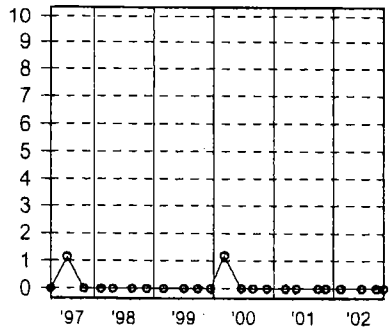
Fort Monmouth

GW Monitoring
Streams

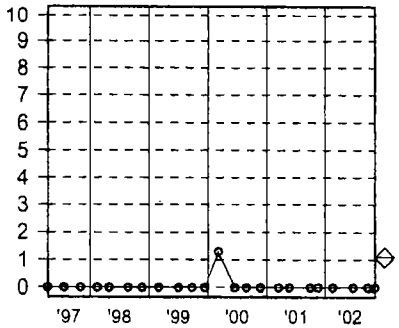
Source 4 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

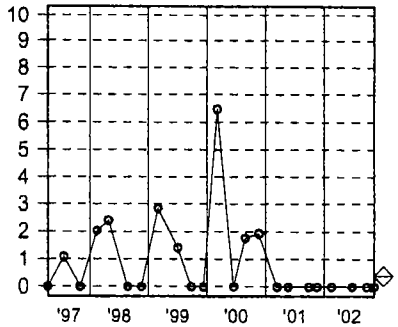
cis-1,2-Dichloroethene
(ug/l)



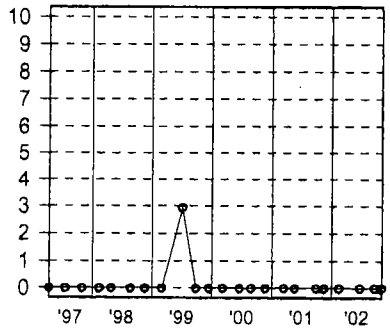
Trichloroethene
(ug/l)



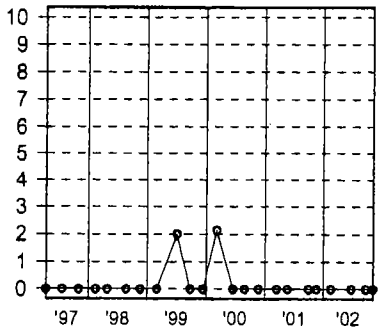
Tetrachloroethene
(ug/l)



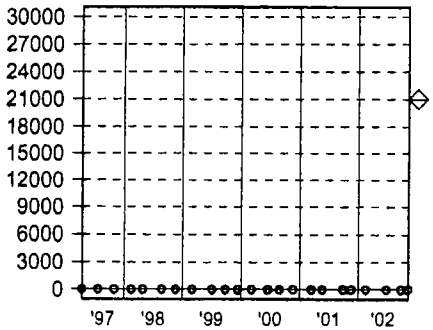
Acetone
(ug/l)



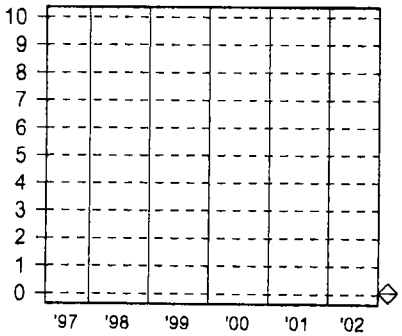
Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 7

Sampling Dates:
04/08/1997 - 11/04/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 4 of 23, Graph

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			-
04/08/1997	FMETL	2.78	ND	ND	ND	ND	ND				
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				-
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	1.24	ND	ND	ND	ND	ND				V,P

SOURCE: 9

Sampling Dates:
04/08/1997 - 11/04/2002

NOTES:

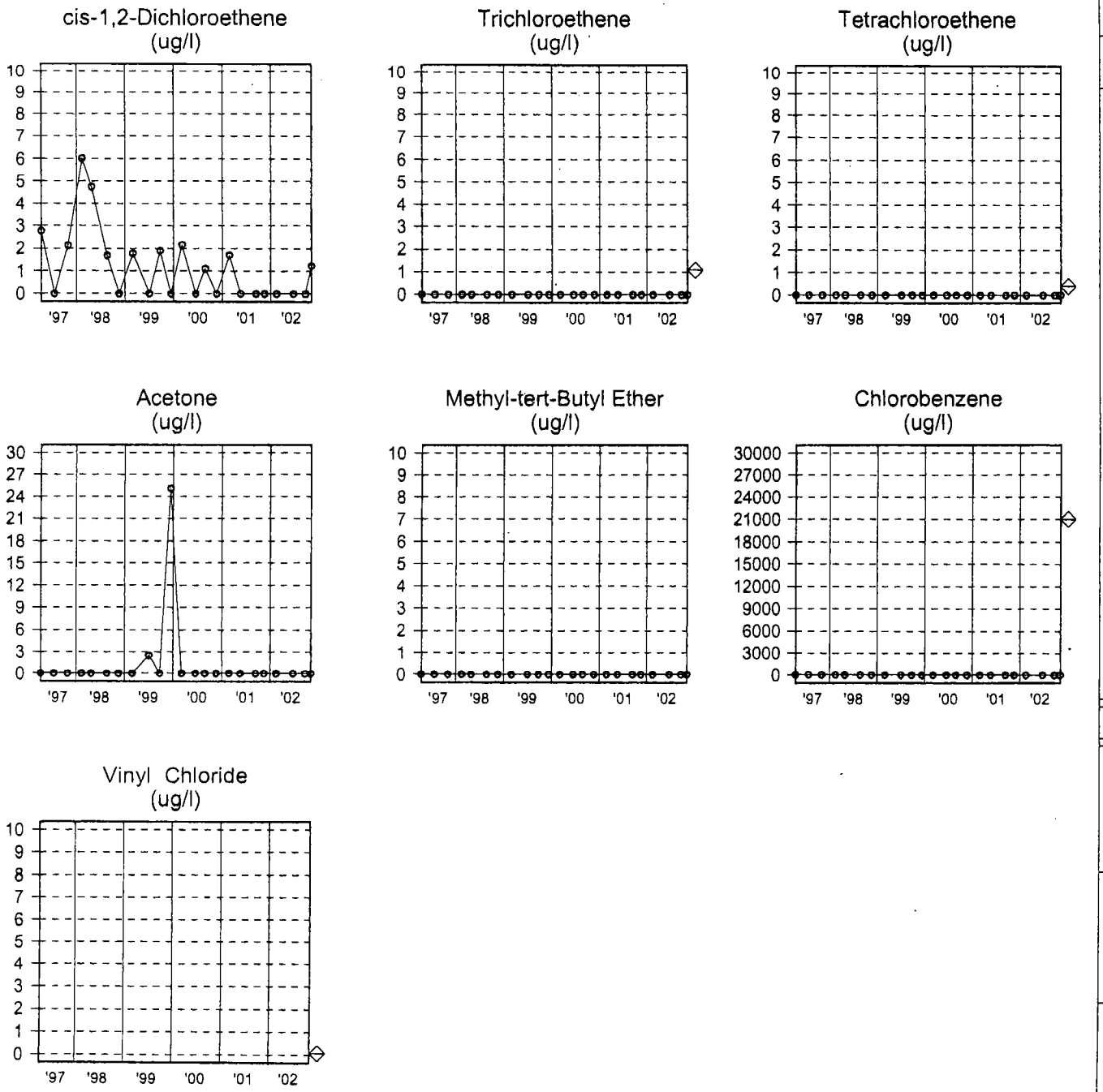
PAGE 1 OF 1
Stream 9 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 5 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 9

Sampling Dates:
04/08/1997 - 11/04/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 5 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-12-2003 X:\MtechData\Streams\STREAMS.WSF

	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	18.72	1.58	ND	ND	ND	ND				
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

SOURCE: 11

Sampling Dates:
04/08/1997 - 11/05/2002

NOTES:

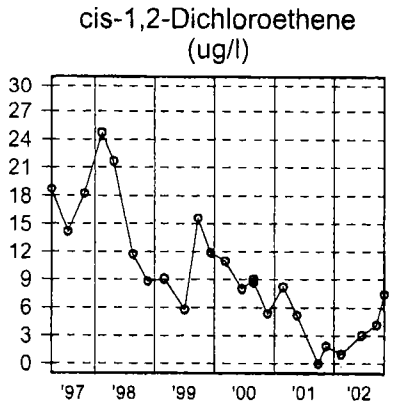
Page 1 of1
Stream 11 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09 ug/L.
MTBE limit is NLE.

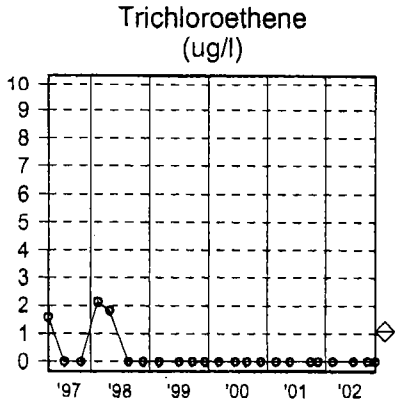
Fort Monmouth

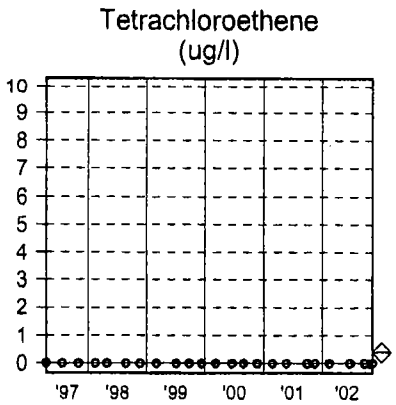
GW Monitoring
Streams

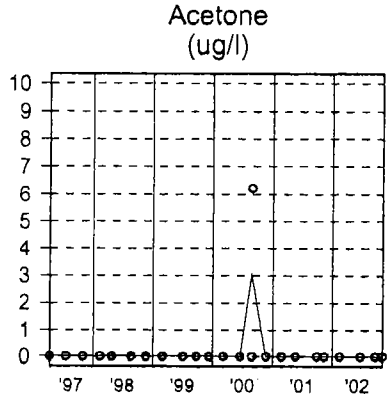
Source 6 of 23

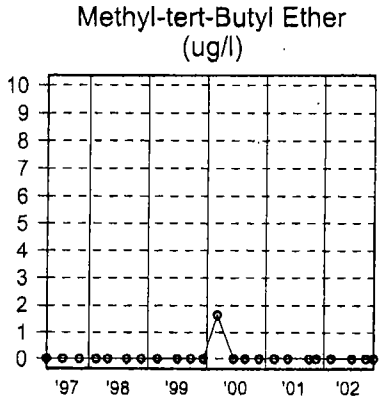
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

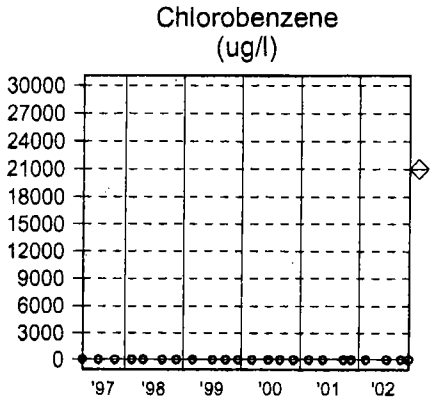


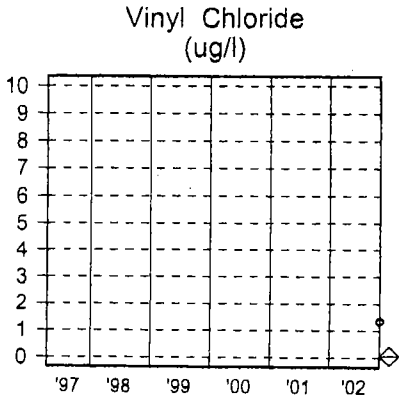












SOURCE: 11

Sampling Dates:
04/08/1997 - 11/05/2002

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

02-12-2003 X:\MtechData\Streams\STREAMS.WSF

	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	6.63	ND	ND	ND	ND	ND				
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.

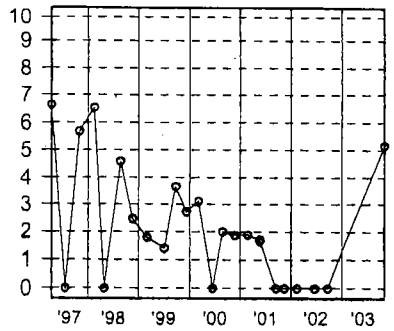
Fort Monmouth

GW Monitoring
Streams

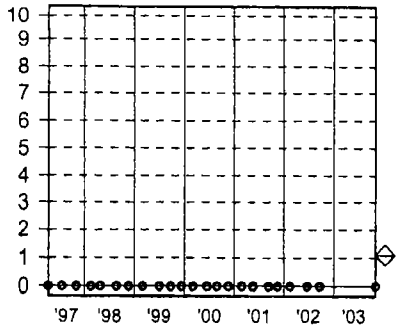
Source 7 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

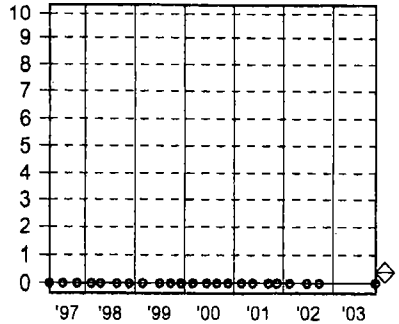
cis-1,2-Dichloroethene
(ug/l)



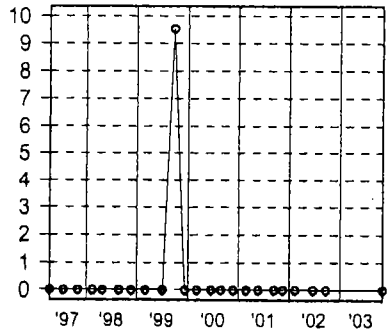
Trichloroethene
(ug/l)



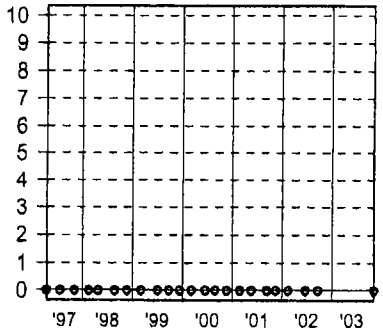
Tetrachloroethene
(ug/l)



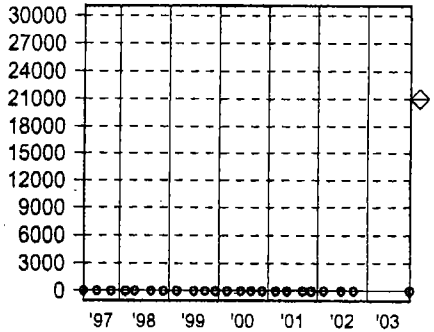
Acetone
(ug/l)



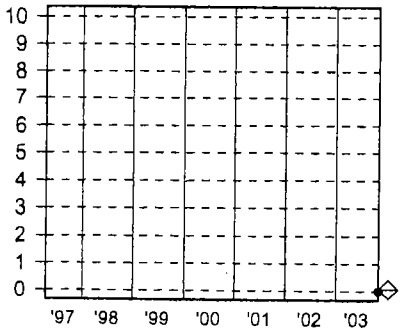
Methyl-tert-Butyl Ether
(ug/l)



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
SELFM-PW-EV

02-12-2003 X:\MtechData\Streams\STREAMS.WSF

	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	2.81	ND	ND				
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	ND	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	3.94	ND	ND	ND				
03/01/2000	FMETL	1.35	1.40	6.92	ND	2.40	ND				
06/12/2000	FMETL	ND	ND	5.56	ND	ND	ND				
08/24/2000	FMETL	2.17	1.78	5.40	ND	ND	ND				
11/20/2000	FMETL	ND	ND	6.58	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	ND	ND				V,P
09/18/2002	FMETL	ND	ND	ND	ND	ND	ND				V,P
11/05/2002	FMETL	ND	ND	1.46	ND	ND	ND	ND			V,P

SOURCE: 13

Sampling Dates:
04/08/1997 - 11/05/2002

NOTES:

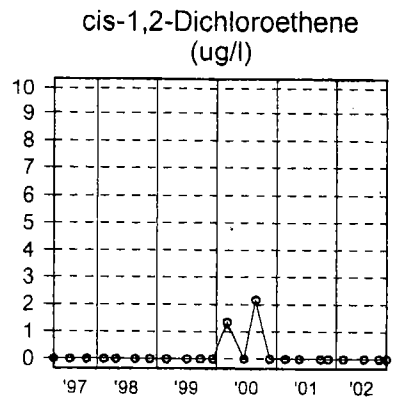
Page 1 of 1
Stream 13 is Fresh-Water.
MeCl limit is 2.49 ug/L.
cis-1,2-Di limit is NLE.
TCE limit is 1.09.
PCE limit is 0.388 ug/L.
Acetone limit is NLE.
MTBE limit is NLE.

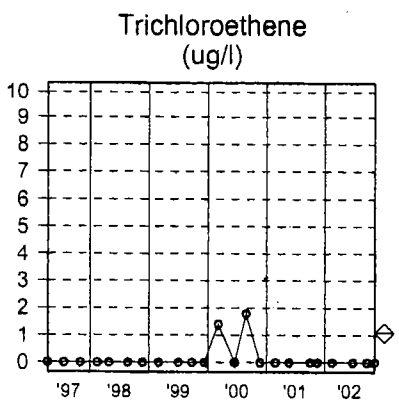
Fort Monmouth

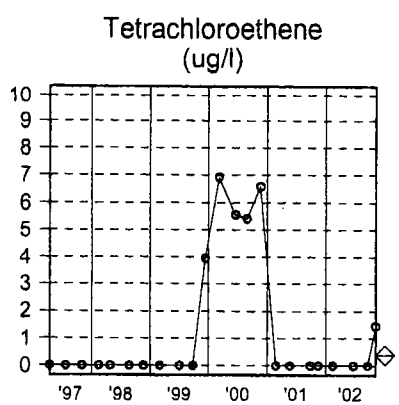
GW Monitoring
Streams

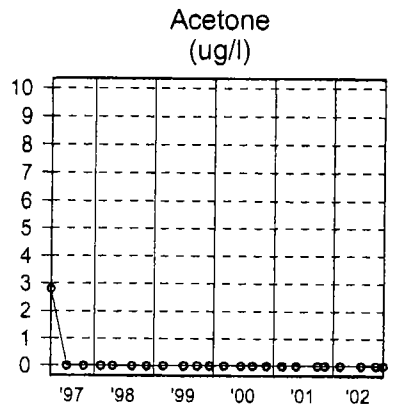
Source 8 of 23

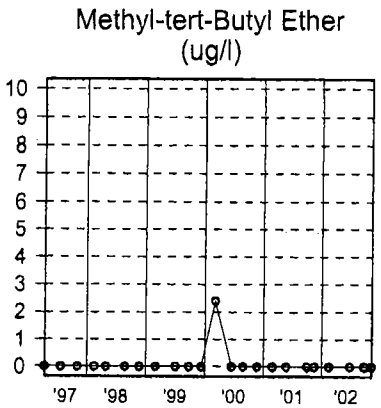
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

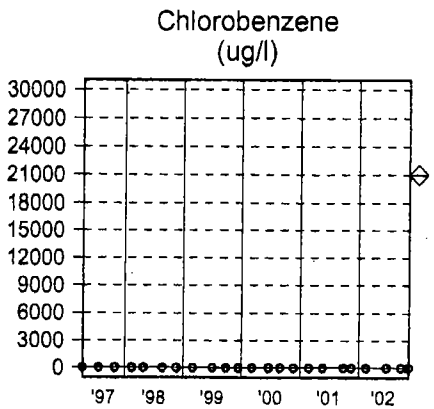


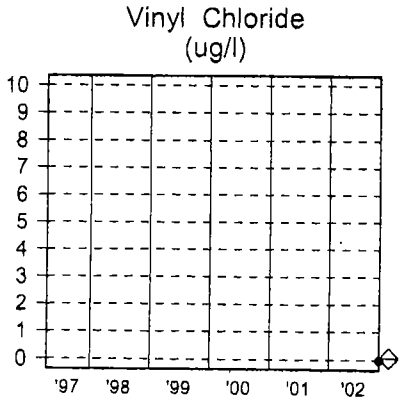












SOURCE: 13

Sampling Dates:
04/08/1997 - 11/05/2002

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

02-12-2003 X:\MtechData\Streams\STREAMS.WSF

	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	3.94	ND	ND				
07/17/1997	FMETL	ND	ND	ND	ND	ND	ND				
10/30/1997	FMETL	1.59	1.75	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	ND	3.32	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	11.26	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				-
03/08/2001D	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	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

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U.S.ARMY
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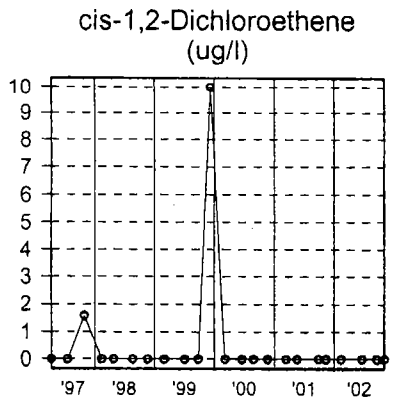
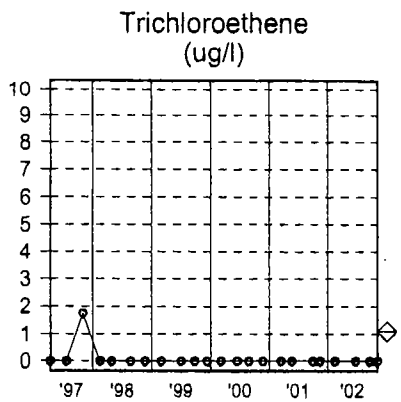
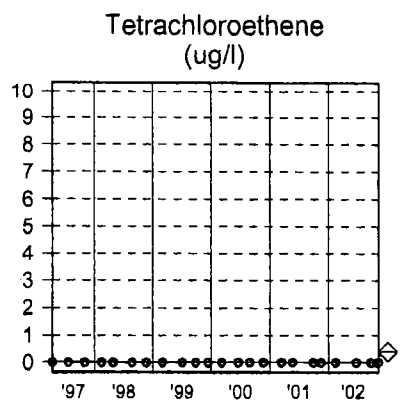
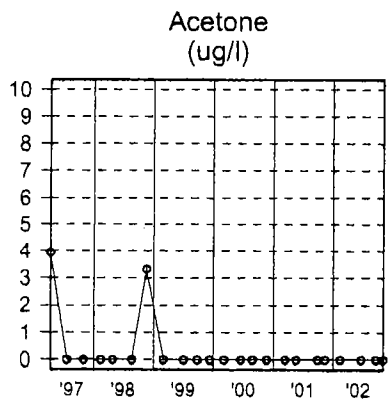
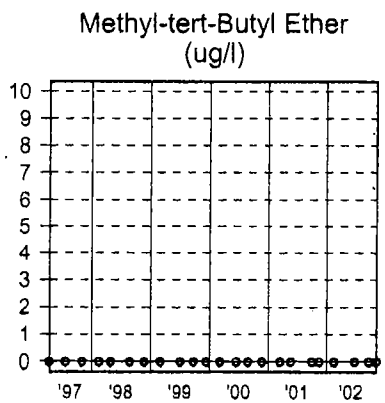
SELFM-PW-EV

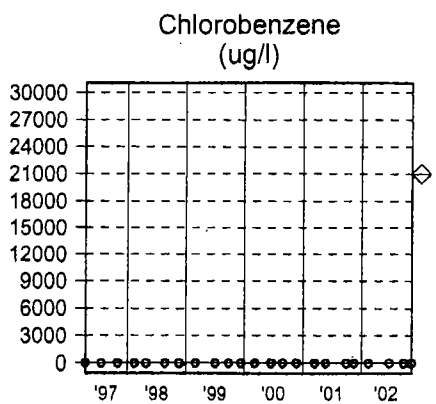


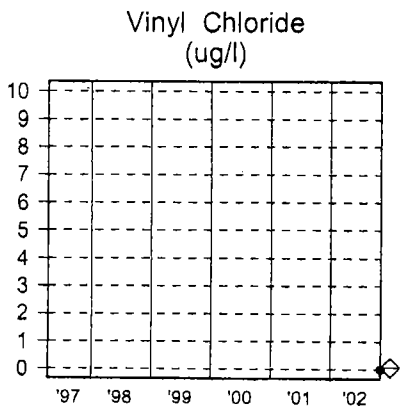












SOURCE: 14

Sampling Dates:
04/08/1997 - 11/05/2002

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

02-12-2003 X:\MtechData\Streams\STREAMS.WSF

	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	2.69	1.60	6.00	ND	ND	ND				
07/17/1997	FMETL	5.53	2.50	7.12	ND	ND	ND				
10/30/1997	FMETL	2.57	ND	2.72	ND	ND	ND				
02/10/1998	FMETL	ND	1.03	6.90	ND	ND	ND				
04/21/1998	FMETL	1.22	1.21	5.72	ND	ND	ND				
08/19/1998	FMETL	3.89	2.06	5.39	ND	ND	ND				
11/18/1998	FMETL	ND	ND	ND	ND	ND	ND				
02/25/1999	FMETL	ND	ND	7.33	ND	ND	ND				
06/29/1999	FMETL	4.17	2.40	7.86	ND	ND	ND				
09/21/1999	FMETL	3.59	1.37	2.61	ND	ND	ND				
12/09/1999	FMETL	ND	ND	4.08	ND	ND	ND				
03/01/2000	FMETL	1.39	1.39	6.95	ND	2.38	ND				
06/12/2000	FMETL	ND	ND	5.94	ND	ND	ND				
08/24/2000	FMETL	2.02	1.09	5.20	ND	ND	ND				
11/20/2000	FMETL	ND	ND	6.29	ND	ND	ND				-
02/21/2001	FMETL	ND	ND	7.19	ND	ND	ND				-
05/16/2001	FMETL	1.50	ND	6.64	ND	ND	ND				-
09/25/2001	FMETL	ND	ND	ND	ND	ND	ND				-
09/25/2001D	FMETL	ND	ND	ND	ND	ND	ND				-
11/14/2001	FMETL	3.09	ND	3.49	ND	ND	ND				-
02/11/2002	FMETL	ND	ND	2.65	ND	ND	ND				V
06/18/2002	FMETL	1.63	ND	2.67	ND	ND	ND				V,P
09/18/2002	FMETL	2.39	ND	2.55	ND	ND	ND				V,P
11/05/2002	FMETL	ND	ND	1.52	ND	ND	ND	ND			V,P

SOURCE: 15

Sampling Dates:
04/08/1997 - 11/05/2002

NOTES:

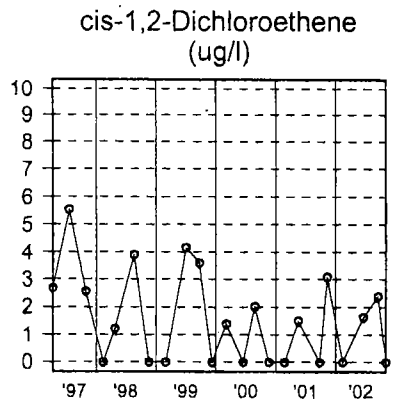
Page 1 of 1
Stream 15 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09 ug/L.
PCE limit is 0.388 ug/L.
MTBE limit is NLE.

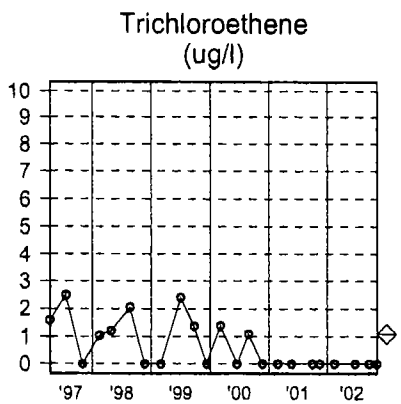
Fort Monmouth

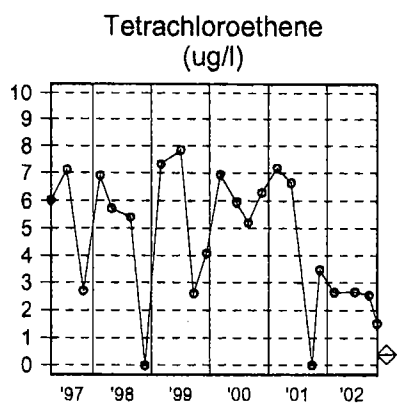
GW Monitoring
Streams

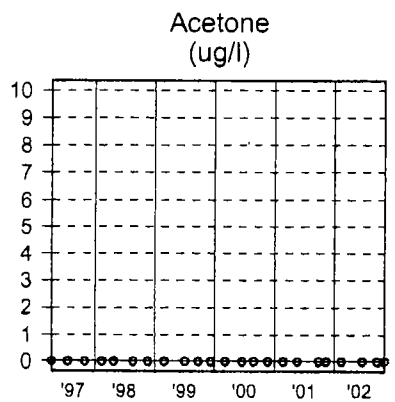
Source 10 of 23

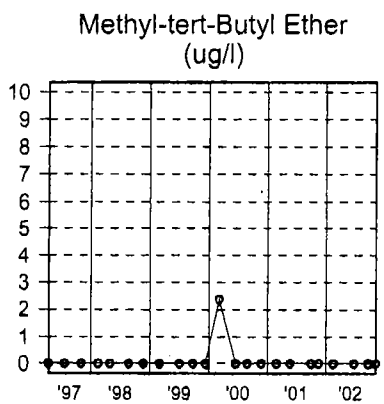
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

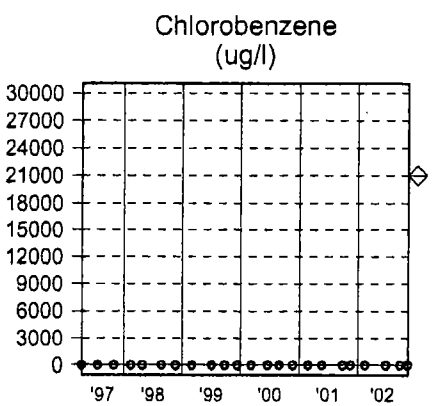


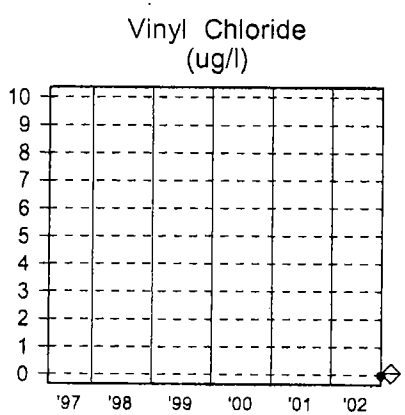












SOURCE: 15

Sampling Dates:
04/08/1997 - 11/05/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 10 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-12-2003 X:\MtechData\Streams\STREAMS.WSF

	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:

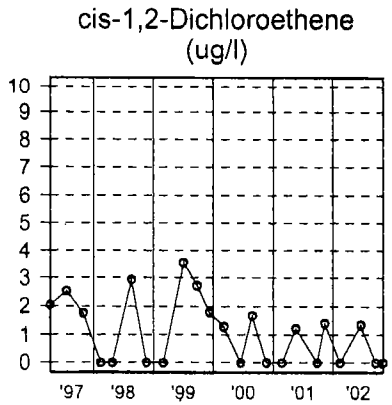
Page 1 of 1
Stream 16 is Salt-Water.
cis-1,2-di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.

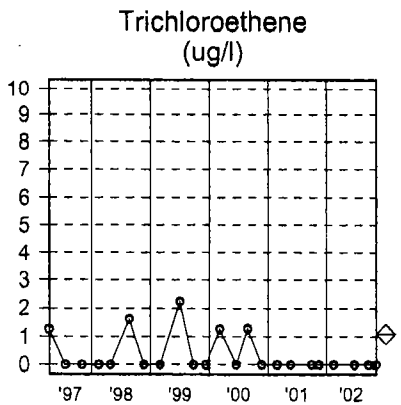
Fort Monmouth

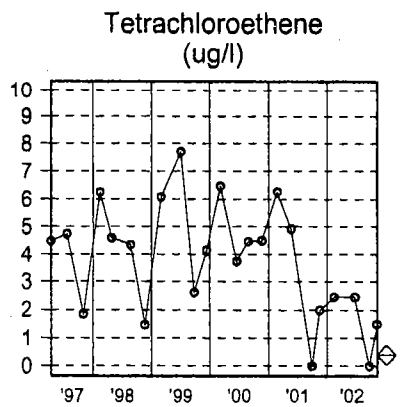
GW Monitoring
Streams

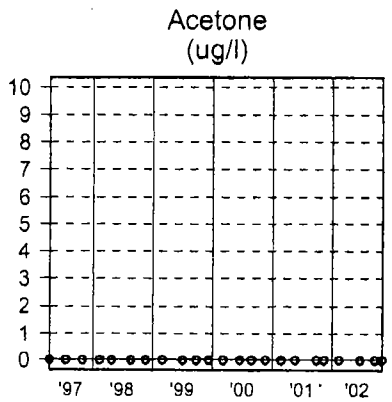
Source 11 of 23

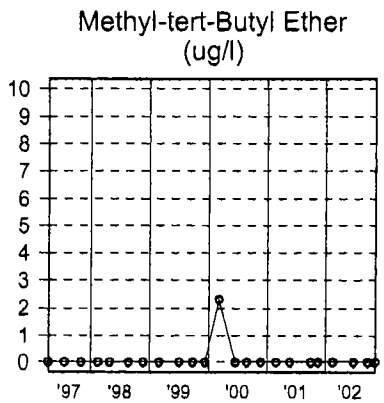
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

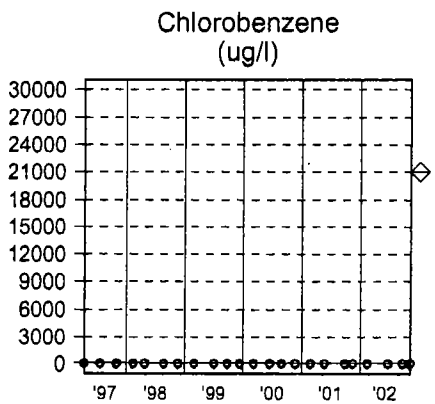


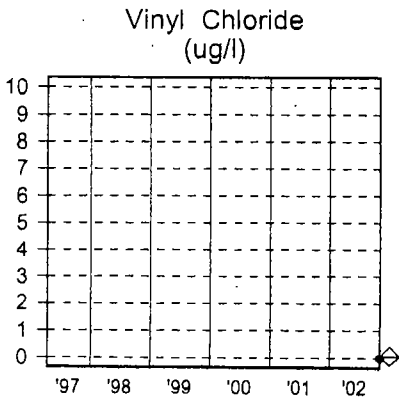












SOURCE: 16

Sampling Dates:
04/08/1997 - 11/05/2002

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

02-12-2003 X:\MtechData\Streams\STREAMS.WSF

	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	1.97	ND	ND				
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:

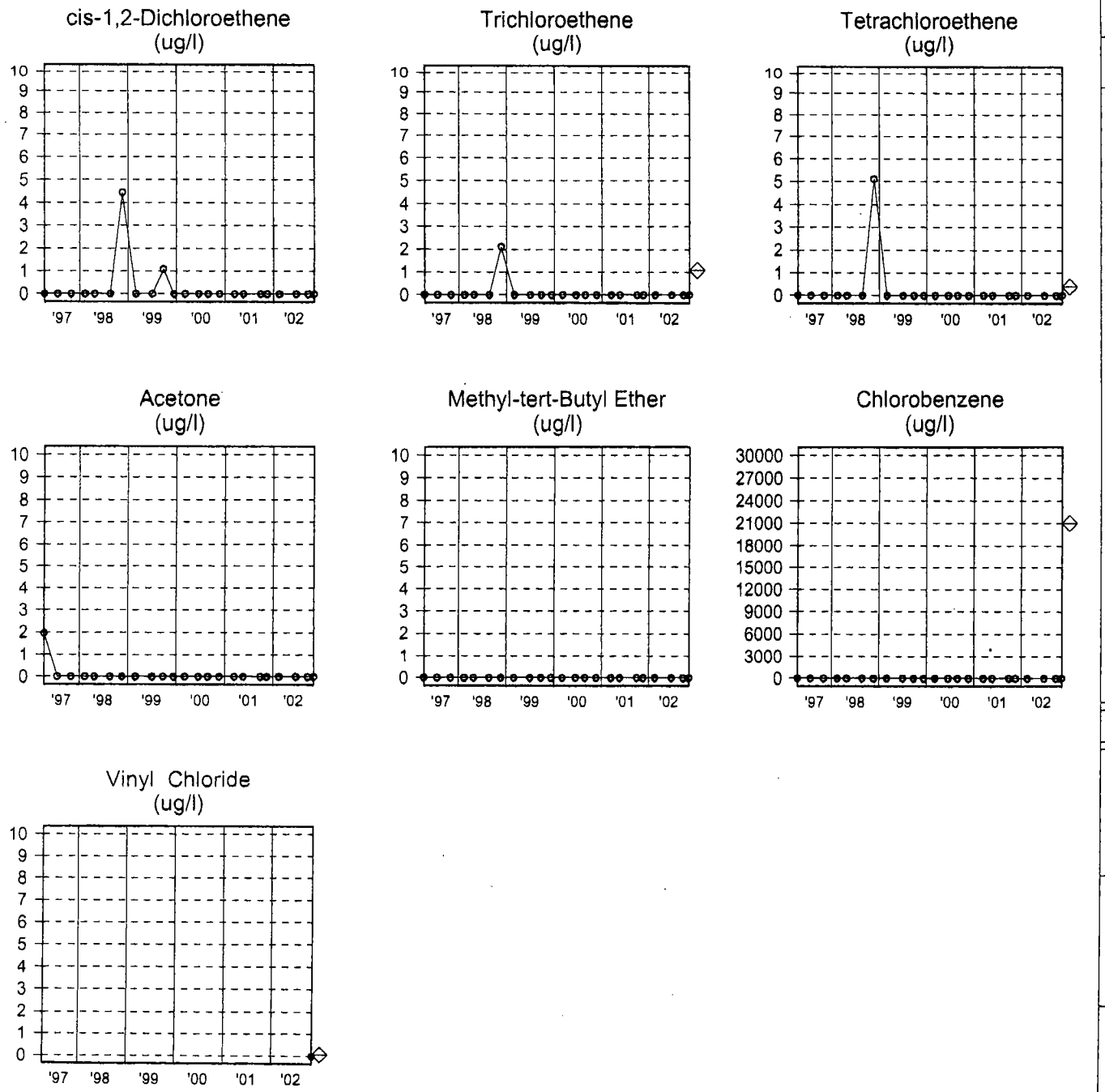
Page 1 of 1
stream 17 is Salt-Water.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
Acetone limit is NLE.
Chlorobenzene limit is 21000 ug/L.

Fort Monmouth

GW Monitoring
Streams

Source 12 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 17

Sampling Dates:
04/08/1997 - 11/04/2002

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

02-12-2003 X:\MtechData\Streams\STREAMS.WSF

	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				
07/17/1997	FMETL	1.06	ND	ND	ND	ND	ND				
10/30/1997	FMETL	5.87	ND	ND	ND	ND	ND				
02/10/1998	FMETL	14.36	ND	ND	ND	ND	ND				
04/21/1998	FMETL	ND	ND	ND	ND	ND	ND				
08/19/1998	FMETL	4.65	ND	ND	ND	ND	ND				
11/18/1998	FMETL	3.18	ND	ND	ND	ND	ND				
02/25/1999	FMETL	3.95	ND	ND	ND	ND	ND				
06/29/1999	FMETL	1.47	ND	ND	ND	ND	ND				
09/21/1999	FMETL	4.67	ND	ND	ND	ND	ND				
12/09/1999	FMETL	4.90	ND	ND	ND	ND	ND				
03/01/2000	FMETL	5.57	ND	ND	ND	ND	ND				
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND				
08/24/2000	FMETL	2.46	ND	ND	15.24	ND	ND				
11/20/2000	FMETL	1.80	ND	ND	ND	ND	ND				-
02/21/2001	FMETL	4.10	ND	ND	ND	ND	ND				-
05/16/2001	FMETL	1.45	ND	ND	ND	ND	ND				-
09/11/2001	FMETL	ND	ND	ND	ND	ND	ND				-
09/11/2001D	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	5.14	ND	ND	ND	ND	ND	ND			V,P

SOURCE: 18

Sampling Dates:
04/08/1997 - 11/05/2002

NOTES:

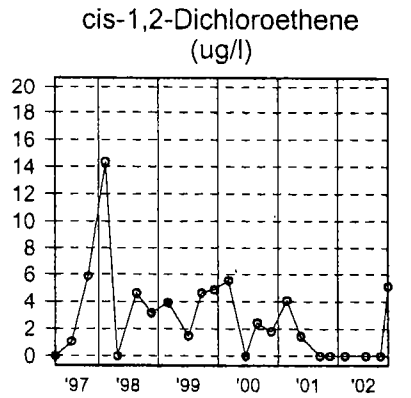
Page 1 of 1
Stream 18 is Fresh-Water.
cis-1,2-Di limit is NLE.

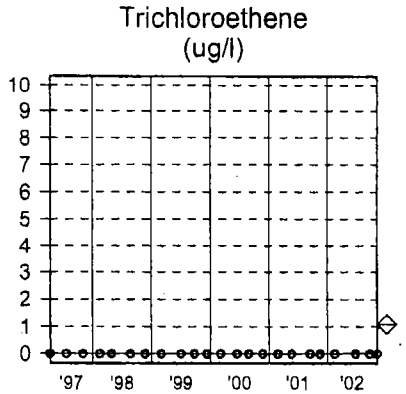
Fort Monmouth

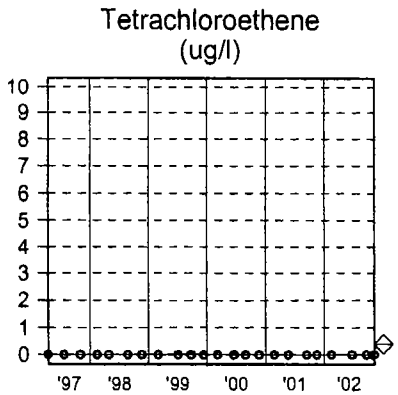
GW Monitoring
Streams

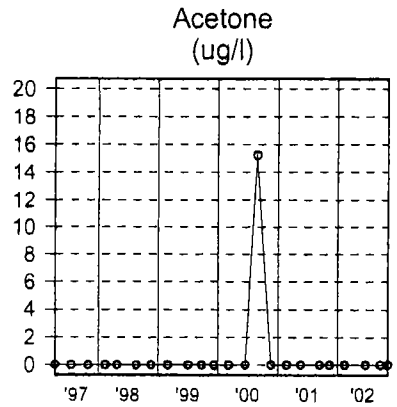
Source 13 of 23

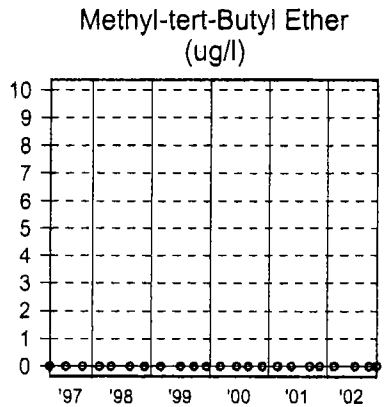
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

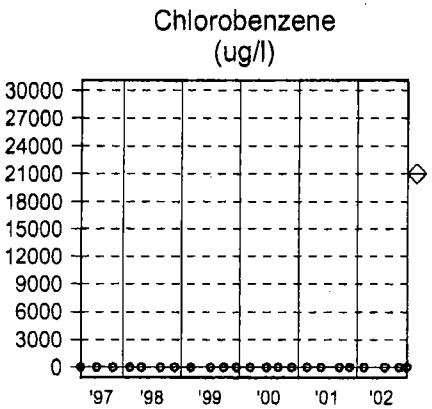


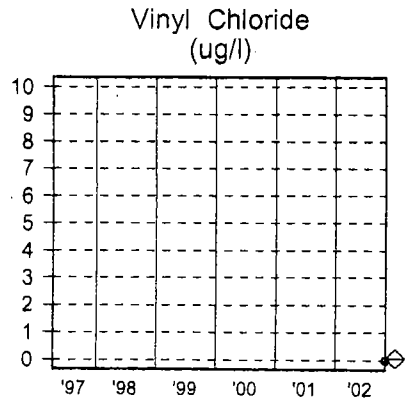












SOURCE: 18

Sampling Dates:
04/08/1997 - 11/05/2002

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

	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	6.44	ND	ND	ND	ND	ND				
07/17/1997	FMETL	ND	ND	ND	ND	ND	ND				
10/30/1997	FMETL	4.69	ND	ND	ND	ND	ND				
02/10/1998	FMETL	8.22	ND	ND	ND	ND	ND				
04/21/1998	FMETL	6.86	ND	ND	ND	ND	ND				
08/19/1998	FMETL	2.95	ND	ND	ND	ND	ND				
11/17/1998	FMETL	2.3	ND	ND	ND	ND	ND				
02/25/1999	FMETL	2.30	ND	ND	ND	ND	ND				
06/29/1999	FMETL	ND	ND	ND	ND	ND	ND				
09/21/1999	FMETL	3.53	ND	ND	ND	ND	ND				
12/09/1999	FMETL	2.60	ND	ND	ND	ND	ND				
03/01/2000	FMETL	2.92	ND	ND	ND	ND	ND				
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND				
08/24/2000	FMETL	2.07	ND	ND	ND	ND	ND				
11/20/2000	FMETL	ND	ND	ND	ND	ND	ND				-
02/21/2001	FMETL	2.99	ND	ND	ND	ND	ND				-
02/21/2001D	FMETL	3.87	ND	ND	ND	ND	ND				-
05/16/2001	FMETL	1.57	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
11/04/2002	FMETL	2.69	ND	ND	ND	ND	ND	ND			V,P

SOURCE: 19

Sampling Dates:
04/08/1997 - 11/04/2002

NOTES:

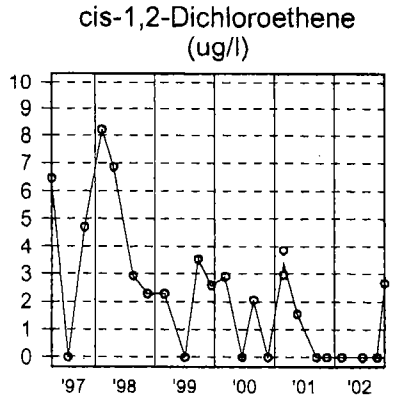
Page 1 of 1
Stream 19 is Salt-Water.
cis-1,2-Di limit is NLE.

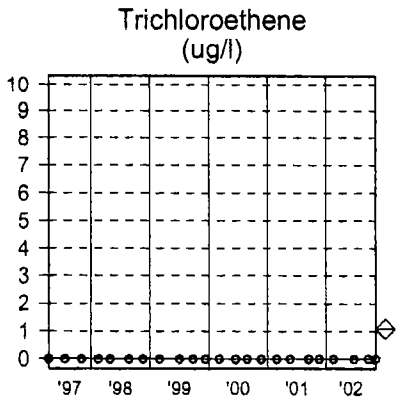
Fort Monmouth

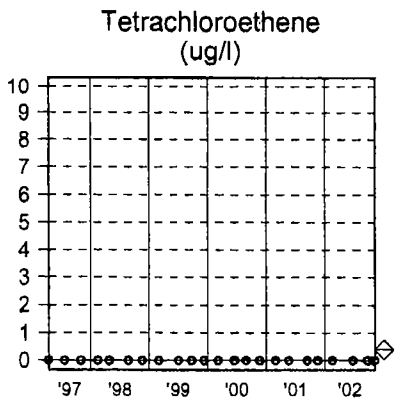
GW Monitoring
Streams

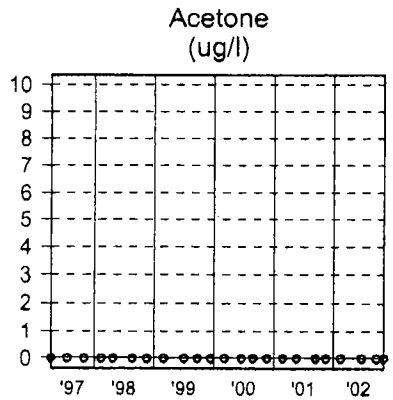
Source 14 of 23

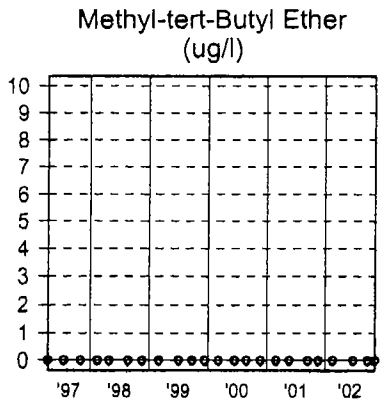
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

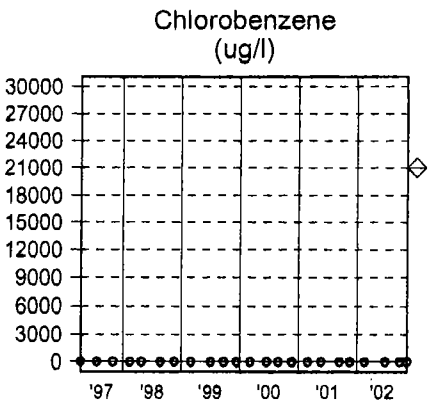


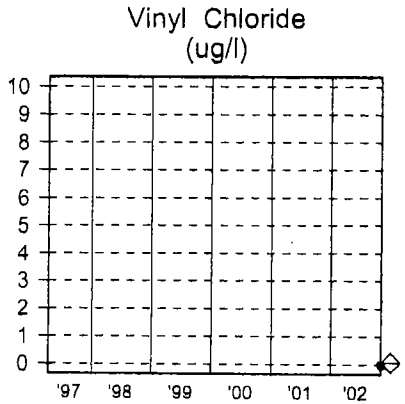












SOURCE: 19

Sampling Dates:
04/08/1997 - 11/04/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 14 of 23, Graph

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			-
04/08/1997	FMETL	ND	ND	ND	ND	ND	ND				
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	ND	ND				
08/19/1998	FMETL	ND	ND	ND	ND	4.85	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
Stream20 is Salt-Water.
Ethylben limit is 27900 ug/L.
MTBE limit is NLE.

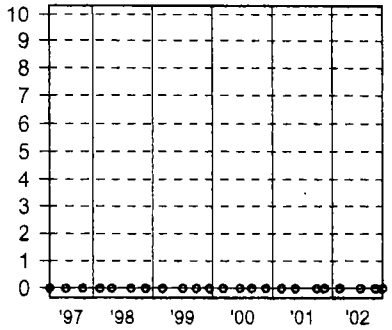
Fort Monmouth

GW Monitoring
Streams

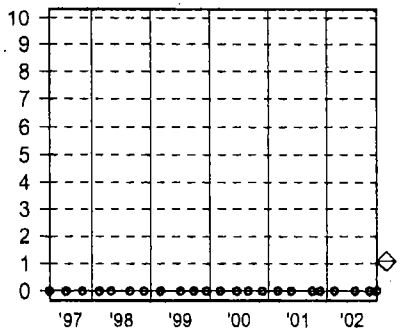
Source 15 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

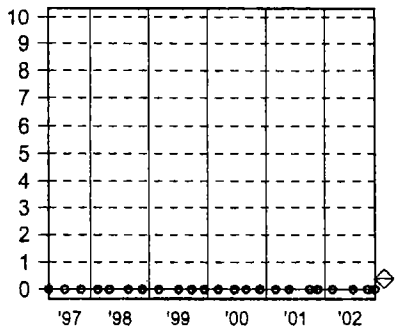
cis-1,2-Dichloroethene
(ug/l)



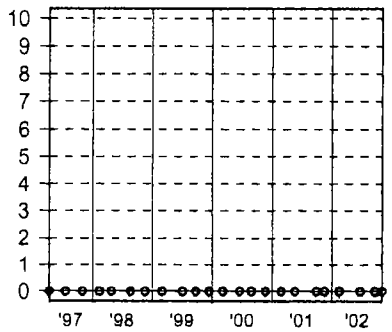
Trichloroethene
(ug/l)



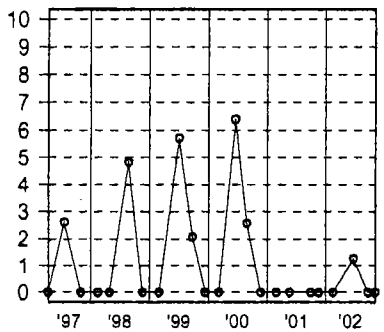
Tetrachloroethene
(ug/l)



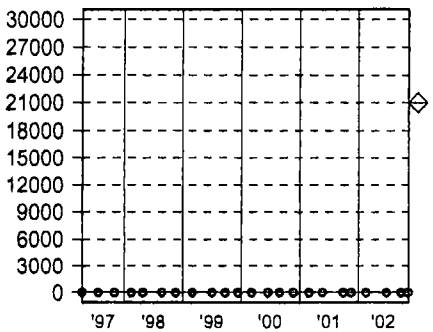
Acetone
(ug/l)



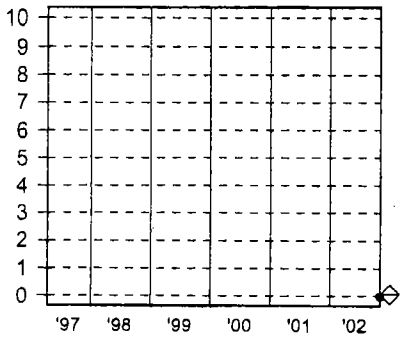
Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 20

Sampling Dates:
04/08/1997 - 11/04/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 15 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-12-2003 X:\MtechData\Streams\STREAMS.WSF

	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				
07/17/1997	FMETL	ND	ND	ND	ND	2.90	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	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				-
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

SOURCE: 21

Sampling Dates:
04/08/1997 - 11/04/2002

NOTES:

Page 1 of 1
Sream 21 is Salt-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.
MTBE limit is NLE.

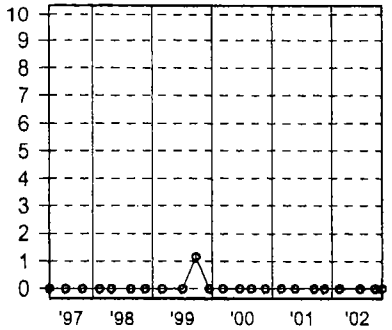
Fort Monmouth

GW Monitoring
Streams

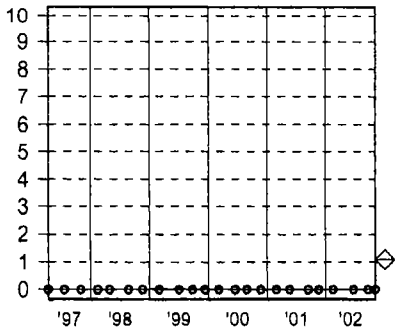
Source 16 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

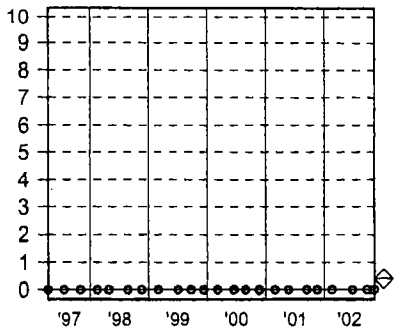
cis-1,2-Dichloroethene
(ug/l)



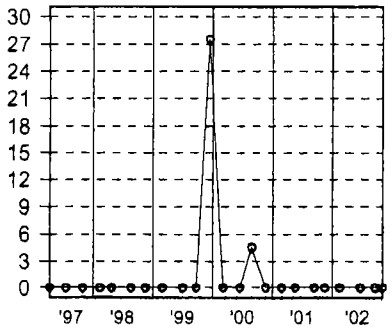
Trichloroethene
(ug/l)



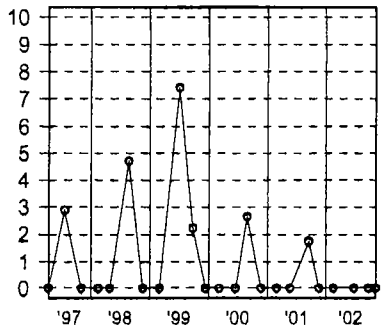
Tetrachloroethene
(ug/l)



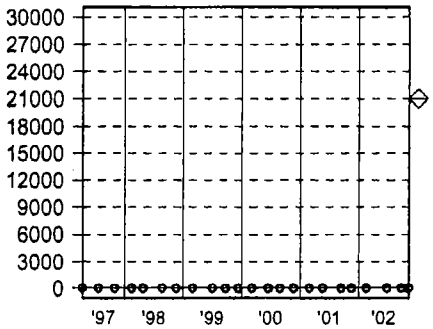
Acetone
(ug/l)



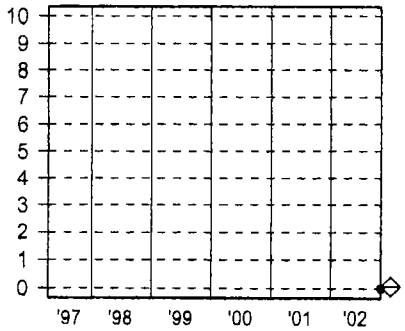
Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 21

Sampling Dates:
04/08/1997 - 11/04/2002

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

02-12-2003 X:\MtechData\Streams\STREAMS.WSF

	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				
07/17/1997	FMETL	ND	ND	ND	ND	4.26	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	4.50	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	8.30	ND				
09/21/1999	FMETL	ND	ND	ND	ND	0.82	ND				
12/09/1999	FMETL	ND	ND	ND	32.77	ND	ND				
03/01/2000	FMETL	ND	ND	ND	ND	ND	ND				
06/12/2000	FMETL	ND	ND	ND	ND	10.26	ND				
06/12/2000D	FMETL	ND	ND	ND	ND	10.66	ND				
08/24/2000	FMETL	ND	ND	ND	5.53	ND	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				V
09/11/2001	FMETL	ND	ND	ND	ND	3.53	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	2.12	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: 22

Sampling Dates:
04/08/1997 - 11/04/2002

NOTES:

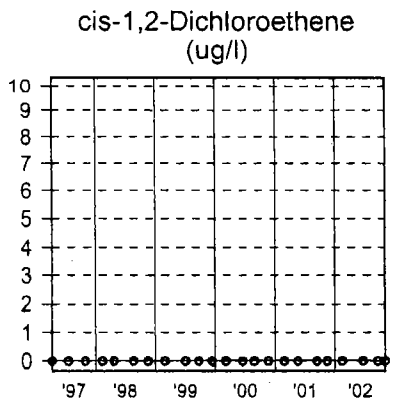
Page 1 of 1
Stream 22 is Salt-Water.
Acetone limit is NLE.
MTBE limit is NLE.

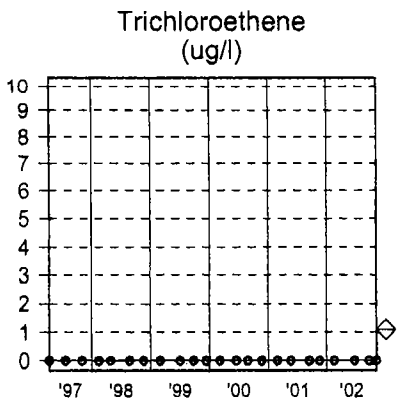
Fort Monmouth

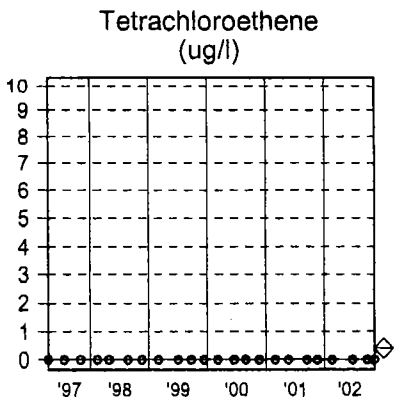
GW Monitoring
Streams

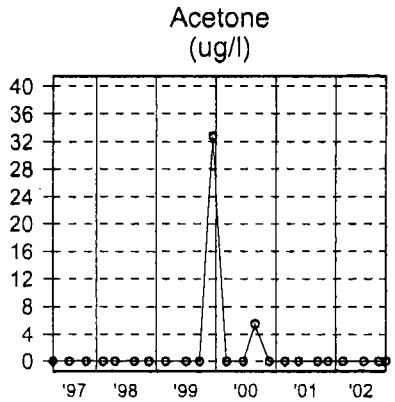
Source 17 of 23

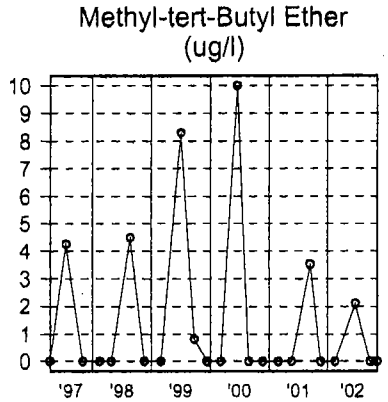
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

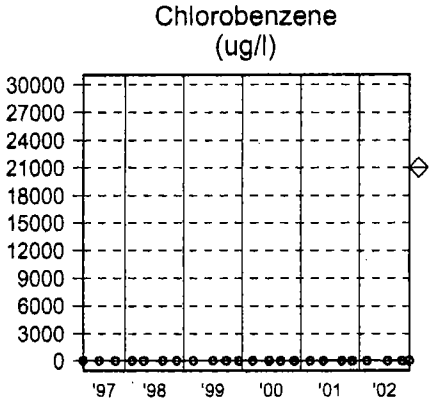


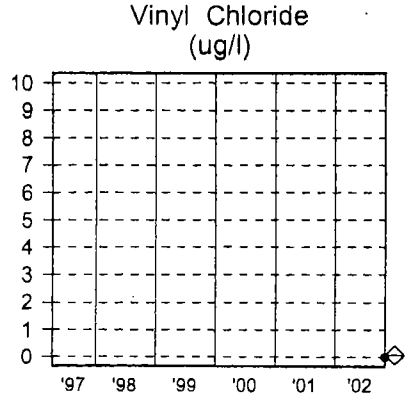












SOURCE: 22

Sampling Dates:
04/08/1997 - 11/04/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 17 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-12-2003 X:\MtechData\Streams\STREAMS.WSF

	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	5.60	ND	ND	ND				
08/24/2000	FMETL	2.24	1.82	5.18	ND	ND	ND				
11/20/2000	FMETL	ND	ND	6.29	ND	ND	ND				-
03/08/2001	FMETL	ND	ND	4.78	ND	ND	ND				-
05/16/2001	FMETL	1.73	ND	6.41	ND	ND	ND				-
09/25/2001	FMETL	ND	ND	ND	ND	ND	ND				-
11/14/2001	FMETL	3.23	ND	3.64	ND	ND	ND				-
02/11/2002	FMETL	ND	ND	2.85	ND	ND	ND				V
06/18/2002	FMETL	1.58	ND	2.88	ND	ND	ND				V,P
09/18/2002	FMETL	2.49	ND	ND	ND	ND	ND				V,P
11/05/2002	FMETL	ND	ND	1.44	ND	ND	ND	ND			V,P

SOURCE: 23

Sampling Dates:
06/12/2000 - 11/05/2002

NOTES:

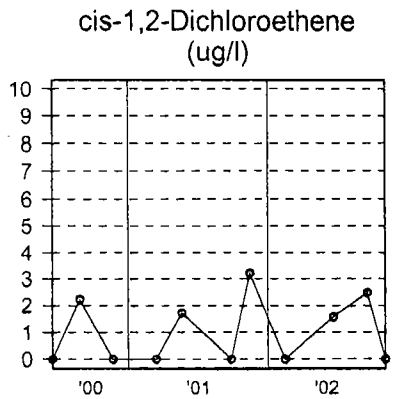
Page 1 of 1
Stream 23 is Fresh-Water

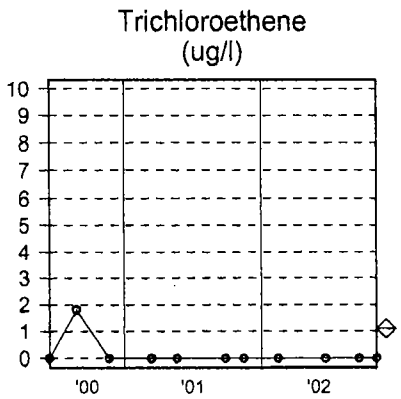
Fort Monmouth

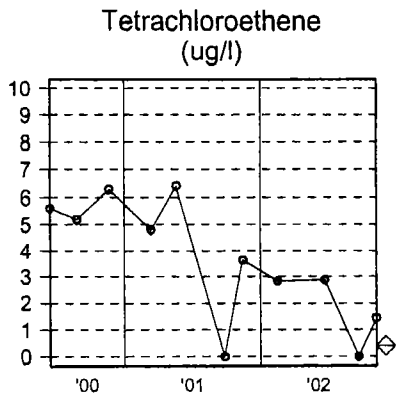
GW Monitoring
Streams

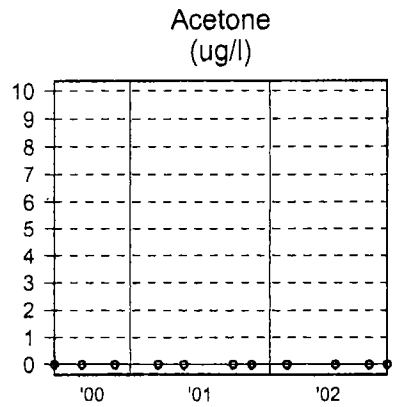
Source 18 of 23

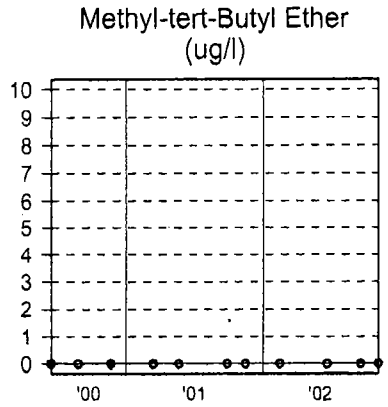
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

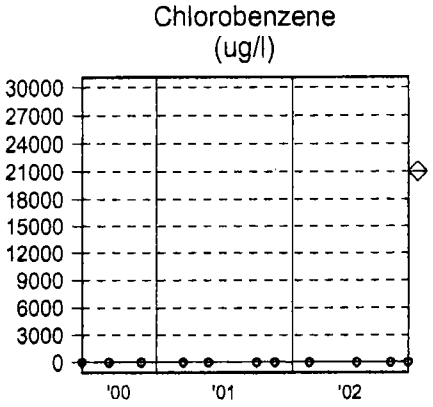


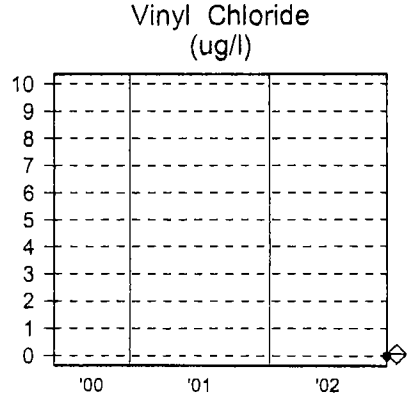












SOURCE: 23

Sampling Dates:
06/12/2000 - 11/05/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 18 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-12-2003 X:\MtechData\Streams\STREAMS.WSF

	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	4.72	ND	ND	ND				
08/24/2000	FMETL	1.54	1.41	4.33	ND	ND	ND				
11/20/2000	FMETL	ND	ND	4.41	ND	ND	ND				-
03/08/2001	FMETL	ND	ND	4.76	ND	ND	ND				-
05/16/2001	FMETL	1.37	ND	5.12	ND	ND	ND				-
09/25/2001	FMETL	ND	ND	ND	ND	ND	ND				-
11/14/2001	FMETL	3.11	ND	3.28	ND	ND	ND				-
02/11/2002	FMETL	ND	ND	2.69	ND	ND	ND				V
06/18/2002	FMETL	1.60	ND	2.74	ND	ND	ND				V,P
09/18/2002	FMETL	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:

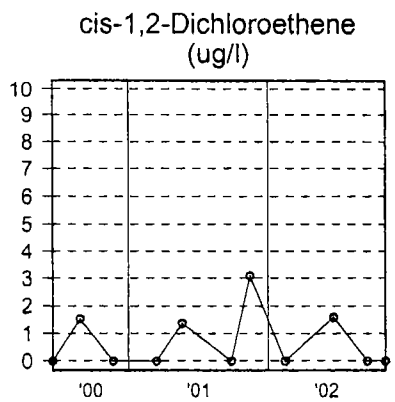
Page 1 of 2
Stream 24 is Fresh-Water

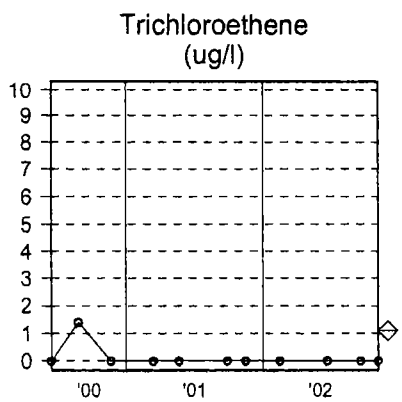
Fort Monmouth

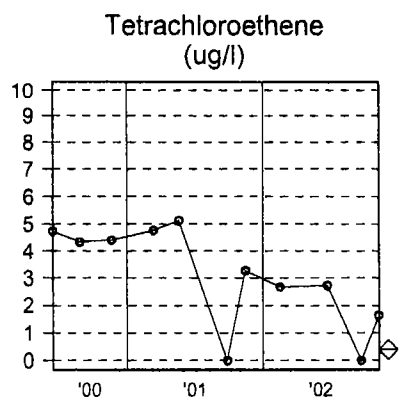
GW Monitoring
Streams

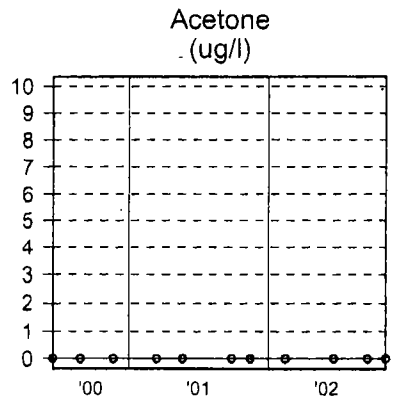
Source 19 of 23

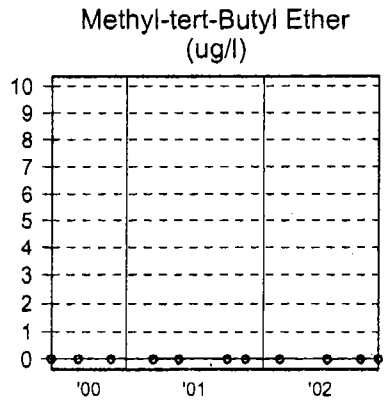
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

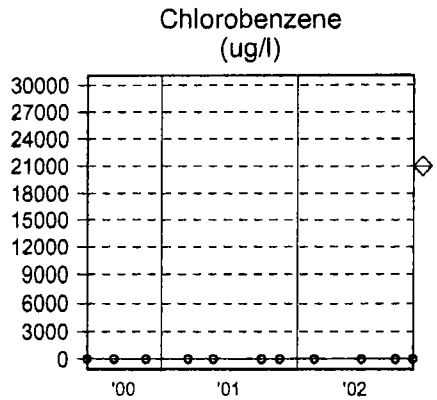


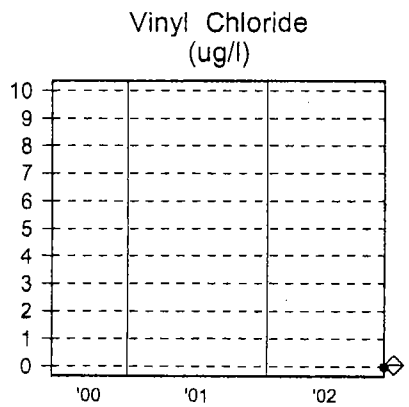












SOURCE: 24

Sampling Dates:
06/12/2000 - 11/05/2002

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

	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

NOTES:

Page 1 of 1
Stream 25 is Salt-Water.

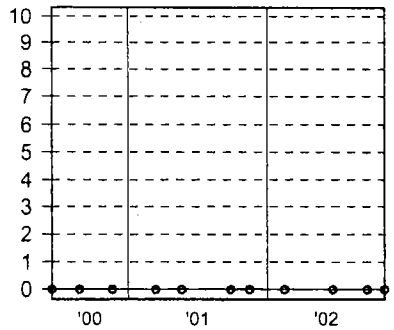
Fort Monmouth

GW Monitoring
Streams

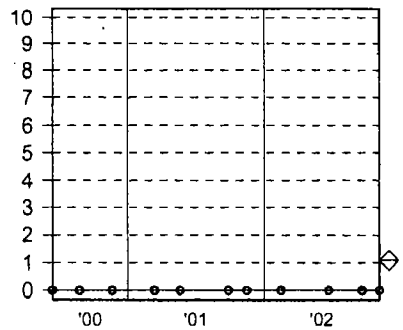
Source 20 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

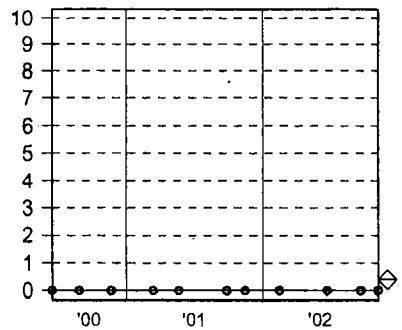
cis-1,2-Dichloroethene
(ug/l)



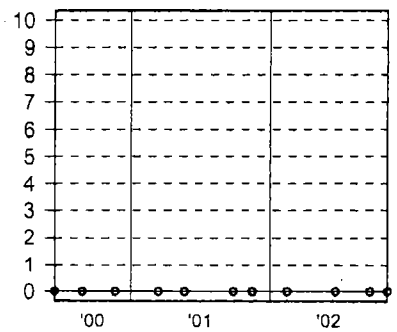
Trichloroethene
(ug/l)



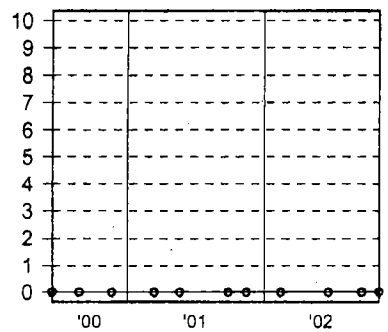
Tetrachloroethene
(ug/l)



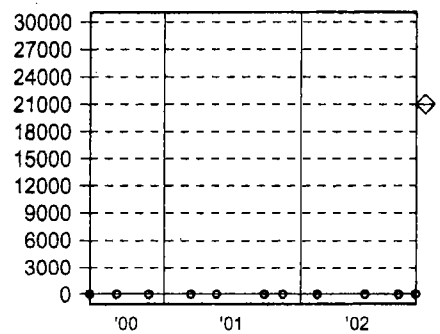
Acetone
(ug/l)



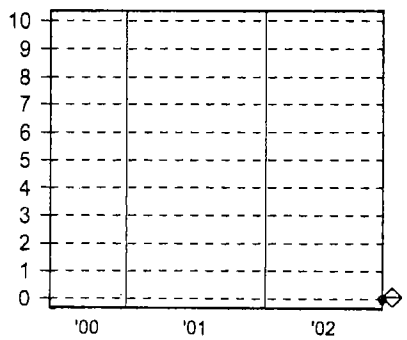
Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 25

Sampling Dates:
06/12/2000 - 11/04/2002

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

02-12-2003 X:\MtechData\Streams\STREAMS.WSF

	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	1.47				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: 26

Sampling Dates:
06/12/2000 - 11/04/2002

NOTES:

Page 1 of 1
Stream 26 is Fresh-Water

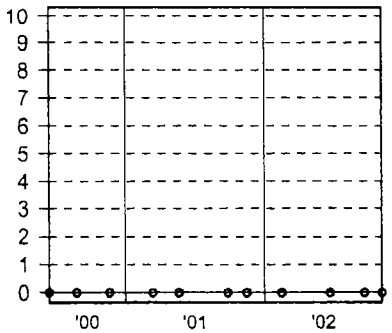
Fort Monmouth

GW Monitoring
Streams

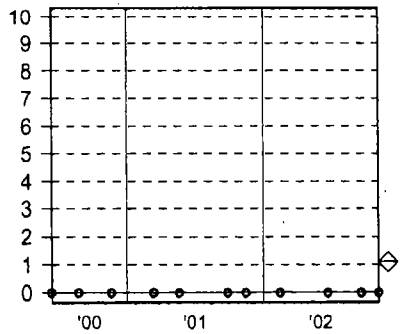
Source 21 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

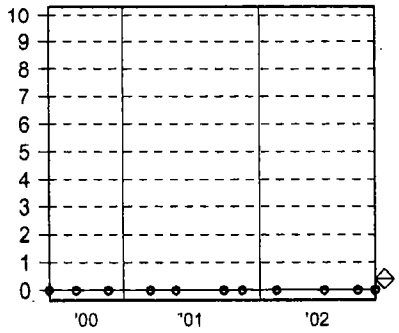
cis-1,2-Dichloroethene
(ug/l)



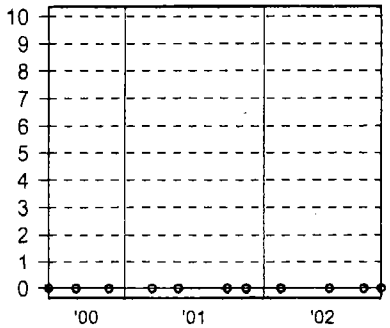
Trichloroethene
(ug/l)



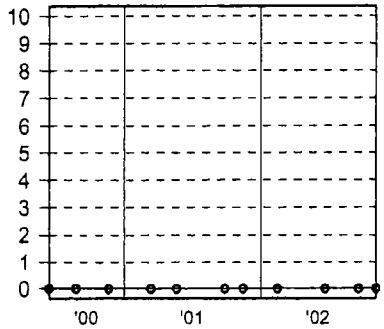
Tetrachloroethene
(ug/l)



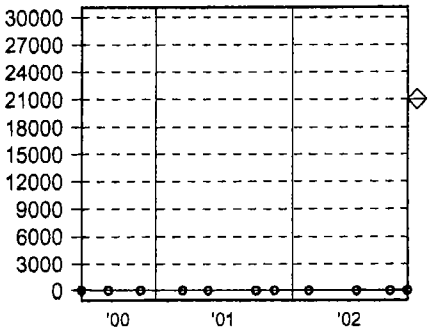
Acetone
(ug/l)



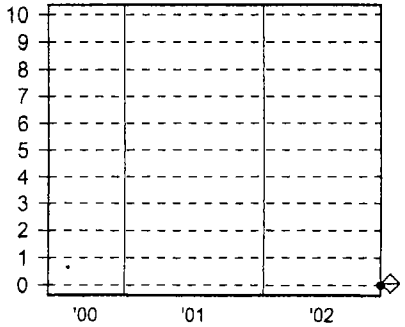
Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 26

Sampling Dates:
06/12/2000 - 11/04/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 21 of 23, Graph

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				
08/24/2000	FMETL	ND	ND	1.72	ND	ND	ND				
11/20/2000	FMETL	ND	ND	1.87	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
11/04/2002	FMETL	ND	ND	ND	ND	ND	ND	ND			V,P

SOURCE: 27

Sampling Dates:
06/12/2000 - 11/04/2002

NOTES:

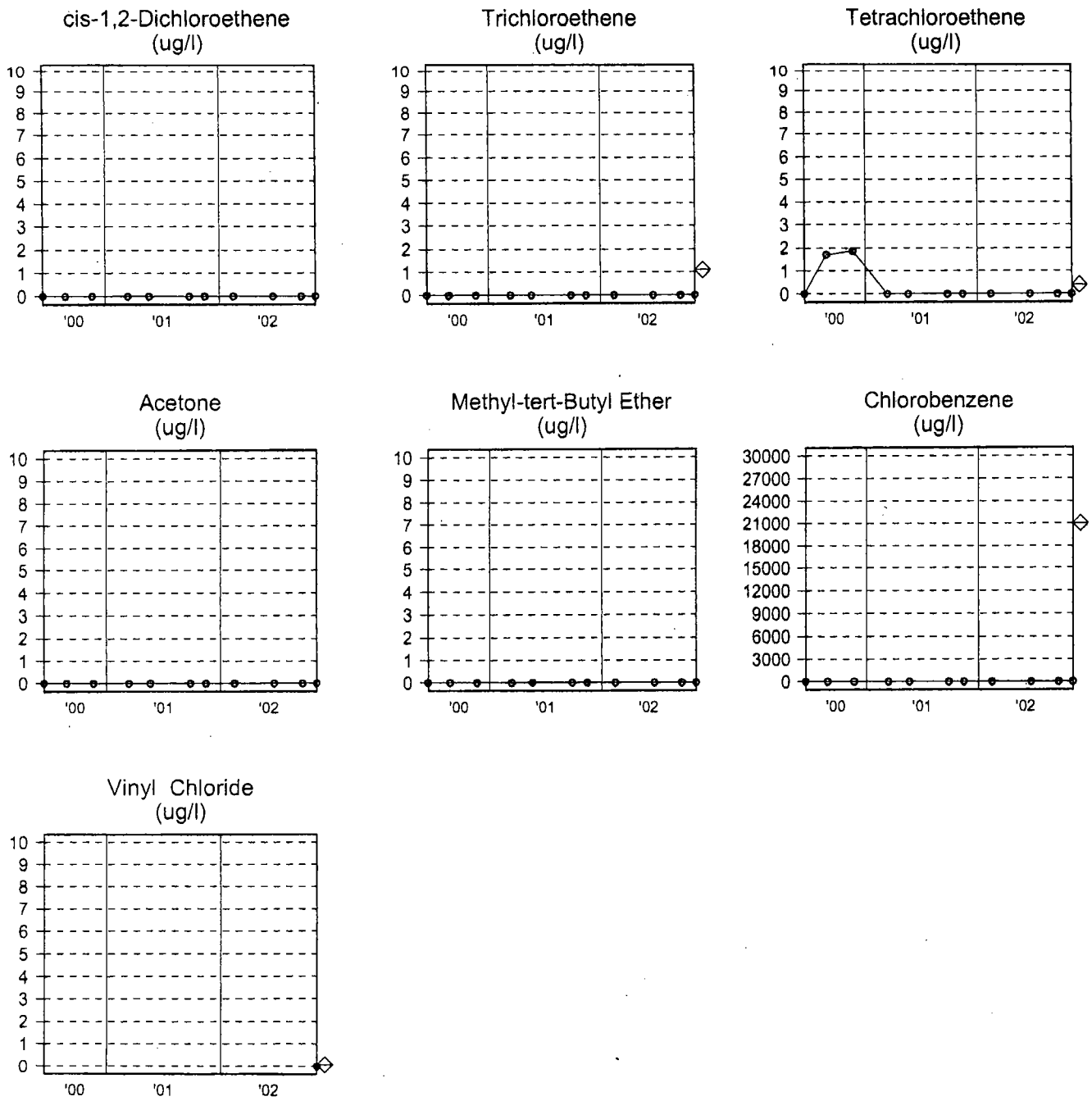
Page 1 of 1
Stream 27 is Salt Water.

Fort Monmouth

GW Monitoring
Streams

Source 22 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 27

Sampling Dates:
06/12/2000 - 11/04/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 22 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-12-2003 X:\MtechData\Streams\STREAMS.WSF

	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	1.28	1.07	3.67	ND	ND	ND				
11/20/2000	FMETL	ND	ND	3.60	ND	ND	ND				-
03/08/2001	FMETL	ND	ND	2.56	ND	ND	ND				-
05/16/2001	FMETL	ND	ND	2.77	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	1.55	ND	ND	ND				V
06/18/2002	FMETL	ND	ND	1.99	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: 28

Sampling Dates:
06/12/2000 - 11/04/2002

NOTES:

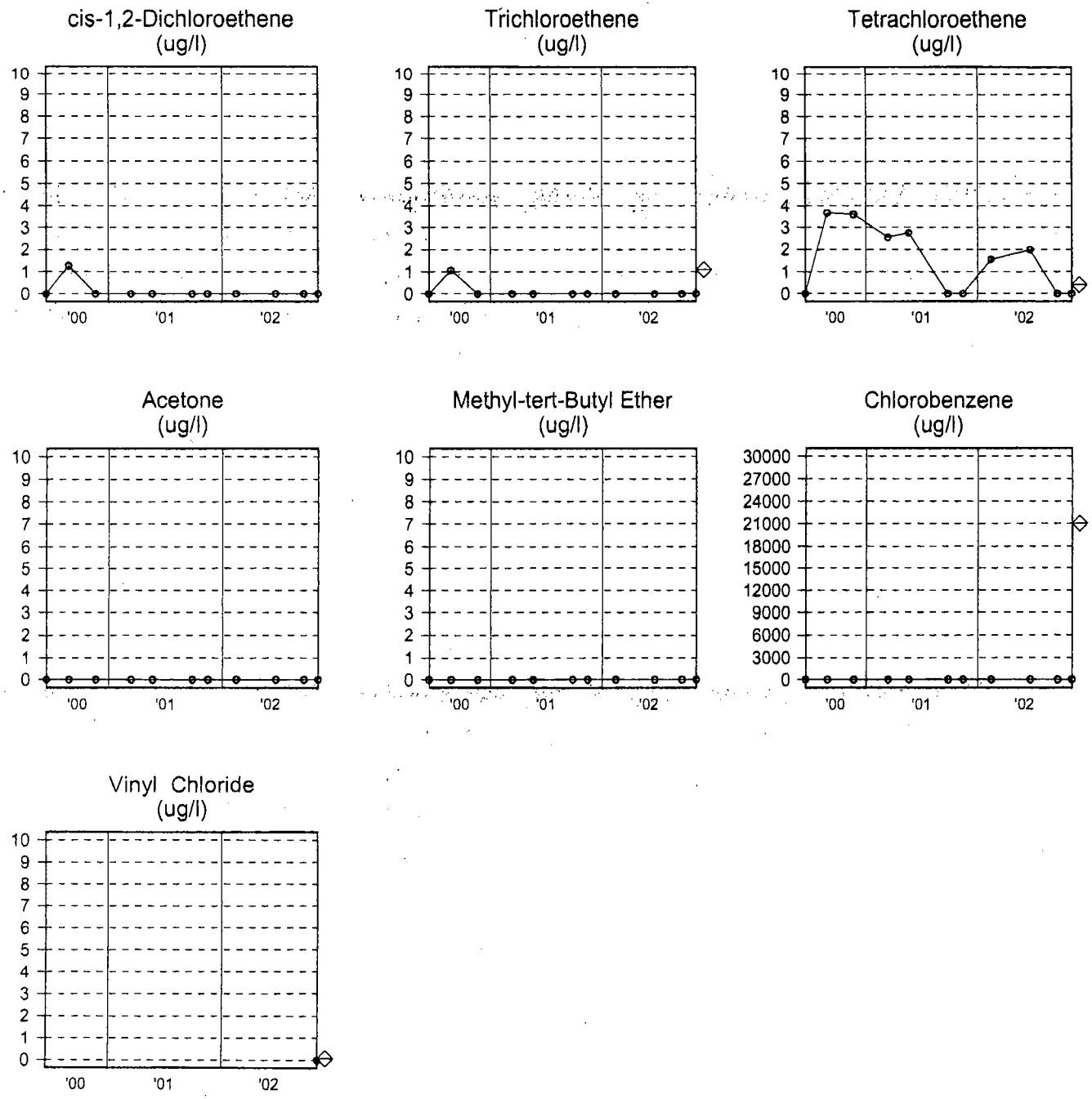
Page 1 of 1
Stream 28 is Salt-Water
cis-1,2-Dichloroethene limit is NLE
TCE limit is 81
PCE limit is 4.29

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

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

02-12-2003 X:\MtechData\Streams\STREAMS.WSF

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. FALLON
Phone #: 626223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: Streams
3rd Qtr '03

Samplers Name / Company: Corey McCormick, TIS

Analysis Parameters: VOTIS, NH_3/NO_3, PO_4/SO_4, T. Coli, PCB, pH (su), Temp (°C), Dissolved O_2

Comments: HCl/HNO_3/4°C, H_2SO_4

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOTIS	NH_3/NO_3	PO_4/SO_4	T. Coli	PCB	pH (su)	Temp (°C)	Dissolved O_2	Remarks / Preservation Method	
30118 01	Trip	3/13/03	0759	AQ	2	✓					–	–	–	Salinity	
02	Field Blank		0800		5	✓	✓	✓		✓	–	–	–	d 20/20	‰
03	Dupe		—		6	✓	✓	✓	✓	✓	—	—	—	—	—
04	Stream site #22*		0816		6	✓	✓	✓	✓	✓	7.87	9.71	8.91	1.008	12
05	#21		0827								7.76	8.63	9.71	1.009	13
06	#20		0833								7.79	8.57	9.80	1.009	13
07	#09		0848								5.74	6.41	1.47	1.003	3
08	#19		0857								6.32	5.76	9.28	1.002	2
09	#12		0910								6.12	6.52	19.68	1.001	1
10	#18		0917								6.21	7.18	22.71	1.002	2
11	#11		0923								6.40	8.33	30.62	1.002	2
12	#24 ~~#15~~		0940								6.10	7.14	19.62	1.002	3
13	#16 ~~#23~~		0953								6.18	7.37	21.93	1.002	2
14	#27		1007								6.33	6.90	15.80	1.002	2

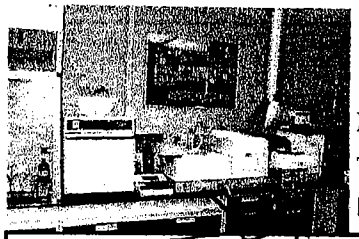
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormick	3/13/03 1400	J. Clayne			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Tide: H -> outgoing

print legibly

Coc1/10/03



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
Phone #: 426223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: Streams
1st Qtr '03

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters: VOTIS, NH_3/NO_3, Poly/SO_4, T. Coli, PCB, pH (su), Temp (°C), Dsolvd O_2

Comments: HCL/HNO_3/H_2SO_4 <4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOTIS	NH_3/NO_3	Poly/SO_4	T. Coli	PCB	pH (su)	Temp (°C)	Dsolvd O_2	Remarks / Preservation Method	
30118 05	Stream #7	3/13/03	1024	AQ	6	✓	✓	✓	✓	✓	6.30	7.02	19.34	1.002	~~6.30~~ 2
06	#28		1052								6.46	8.30	17.05	1.003	3
07	#4		1031								6.18	7.34	11.06	1.002	2
08	#5		1103								6.44	~~7.34~~ 7.79	~~11.06~~ 9.12	SIC 3/13/03 1.002	2

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
	3-13-03 1430	J. Vellyna			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

print legibly

Coc1/10/03

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
Phone #: X26223
( )DERA ( )OMA ( )Other:

Project No:
Location: Streams
1st Qrtr 03 Pt II

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters: VOTIS, NH_3/NO_3, PO_4/SO_4, PCB, T. Coli, pH (su), Temp (°C), Dsolvd O_2

Comments: HCL/HNO_3/H_2SO_4 <4°C

LIMS/Work Order #		Sample Location	Date	Time	Sample Type	# bottles	VOTIS	NH_3/NO_3	PO_4/SO_4	PCB	T. Coli	pH (su)	Temp (°C)	Dsolvd O_2	Remarks / Preservation Method	
30134	01	Trip	3/24/03	0730	AQ	2	✓					—	—	—	Salinity	
	02	Field Blank		0735		5	✓	✓	✓	✓		—	—	—	—	—
	03	Dupe		—		6	✓	✓	✓	✓	✓	—	—	—	d 20/20	% 0
	04	Stream site #15		0815		6	✓	✓	✓	✓	✓	5.66	10.48	3.71	1.002	2
	05	#23		0834			✓	✓	✓	✓	✓	6.08	10.57	3.63	1.002	3
	06	#25		0850			✓	✓	✓	✓	✓	6.16	11.00	7.91	1.002	3
	07	#17		0906			✓	✓	✓	✓	✓	6.42	9.05	2.93	1.002	2
	08	#26		0927			✓	✓	✓	✓	✓	6.75	9.45	5.44	1.000	0
	09	#03		0939			✓	✓	✓	✓	✓	6.75	9.45	5.44	1.000	0
	10	#14		0948			✓	✓	✓	✓	✓	6.63	8.37	2.89	1.002	2
	11	#13		0955			✓	✓	✓	✓	✓	6.65	10.77	3.44	1.002	2

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	3/24/03 1115	J. Allegra			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Tide: High -> outgoing

print legibly

Coc1/10/02

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**	Sample Name	**MB 02Apr03**
Operator	**Skelton**	Field ID	**MB 02Apr03**
Date Acquired	**2 Apr 2003 4:41 pm**	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	Sample Name	MB 02Apr03
Operator	Skelton	Field ID	MB 02Apr03
Date Acquired	2 Apr 2003 4:41 pm	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

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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:
(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	VB013233.D	Sample Name	MB 19Mar03
Operator	Skelton	Field ID	MB 19Mar03
Date Acquired	19 Mar 2003 12:39 pm	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

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

Data File	**VB013233.D**	Sample Name	**MB 19Mar03**
Operator	**Skelton**	Field ID	**MB 19Mar03**
Date Acquired	**19 Mar 2003 12:39 pm**	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:
(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	VB013238.D	Sample Name	3011801
Operator	Skelton	Field ID	Trip Blank
Date Acquired	19 Mar 2003 4:03 pm	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	1,1,2,2-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

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

Data File	**VB013238.D**	Sample Name	**3011801**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**19 Mar 2003 4:03 pm**	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:
(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	**VB013383.D**	Sample Name	**3013401**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**2 Apr 2003 8:02 pm**	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 Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

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

Data File	**VB013383.D**	Sample Name	**3013401**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**2 Apr 2003 8:02 pm**	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

1E

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

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

Data File	**VB013239.D**	Sample Name	**3011802**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**19 Mar 2003 4:43 pm**	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**	Sample Name	**3011802**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**19 Mar 2003 4:43 pm**	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

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

Data File	VB013384.D	Sample Name	3013402
Operator	Skelton	Field ID	Field Blank
Date Acquired	2 Apr 2003 8:42 pm	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**	Sample Name	**3013402**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**2 Apr 2003 8:42 pm**	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

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

Data File	**VB013240.D**	Sample Name	**3011803**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**19 Mar 2003 5:23 pm**	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**	Sample Name	**3011803**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**19 Mar 2003 5:23 pm**	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

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4/17/2003 3:24 PM

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

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

Data File	**VB013385.D**	Sample Name	**3013403**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**2 Apr 2003 9:23 pm**	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**	Sample Name	**3013403**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**2 Apr 2003 9:23 pm**	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

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

Data File	**VB013391.D**	Sample Name	**3013409**
Operator	**Skelton**	Field ID	**StreamSite#03**
Date Acquired	**3 Apr 2003 1:23 am**	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

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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:
(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	VB013254.D	Sample Name	3011817
Operator	Skelton	Field ID	StreamSite#04
Date Acquired	20 Mar 2003 2:42 am	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

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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:
(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	**VB013255.D**	Sample Name	**3011818**
Operator	**Skelton**	Field ID	**StreamSite#05**
Date Acquired	**20 Mar 2003 3:21 am**	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

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

Data File	**VB013252.D**	Sample Name	**3011815**
Operator	**Skelton**	Field ID	**StreamSite#07**
Date Acquired	**20 Mar 2003 1:22 am**	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

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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:
(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	**VB013244.D**	Sample Name	**3011807**
Operator	**Skelton**	Field ID	**StreamSite#09**
Date Acquired	**19 Mar 2003 8:03 pm**	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

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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

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

Data File	**VB013248.D**	Sample Name	**3011811**
Operator	**Skelton**	Field ID	**StreamSite#11**
Date Acquired	**19 Mar 2003 10:43 pm**	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	1,1,2-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#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:
(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	VB013246.D	Sample Name	3011809
Operator	Skelton	Field ID	StreamSite#12
Date Acquired	19 Mar 2003 9:23 pm	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

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

Data File	**VB013393.D**	Sample Name	**3013411**
Operator	**Skelton**	Field ID	**StreamSite#13**
Date Acquired	**3 Apr 2003 2:44 am**	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#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/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	**VB013392.D**	Sample Name	**3013410**
Operator	**Skelton**	Field ID	**StreamSite#14**
Date Acquired	**3 Apr 2003 2:03 am**	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

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

Data File	VB013386.D	Sample Name	3013404
Operator	Skelton	Field ID	StreamSite#15
Date Acquired	2 Apr 2003 10:03 pm	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

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4/17/2003 2:37 PM

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:
(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	**VB013250.D**	Sample Name	**3011813**
Operator	**Skelton**	Field ID	**StreamSite#16**
Date Acquired	**20 Mar 2003 12:03 am**	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

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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

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

Data File	**VB013389.D**	Sample Name	**3013407**
Operator	**Skelton**	Field ID	**StreamSite#17**
Date Acquired	**3 Apr 2003 12:03 am**	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#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:
(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	VB013247.D	Sample Name	3011810
Operator	Skelton	Field ID	StreamSite#18
Date Acquired	19 Mar 2003 10:03 pm	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:
(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	**VB013245.D**	Sample Name	**3011808**
Operator	**Skelton**	Field ID	**StreamSite#19**
Date Acquired	**19 Mar 2003 8:44 pm**	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

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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:
(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	**VB013243.D**	Sample Name	**3011806**
Operator	**Skelton**	Field ID	**StreamSite#20**
Date Acquired	**19 Mar 2003 7:24 pm**	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

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4/17/2003 3:24 PM

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

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

Data File	**VB013242.D**	Sample Name	**3011805**
Operator	**Skelton**	Field ID	**StreamSite#21**
Date Acquired	**19 Mar 2003 6:43 pm**	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	1,1,2,2-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

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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

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

Data File	**VB013241.D**	Sample Name	**3011804**
Operator	**Skelton**	Field ID	**StreamSite#22**
Date Acquired	**19 Mar 2003 6:03 pm**	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

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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:
(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	**VB013387.D**	Sample Name	**3013405**
Operator	**Skelton**	Field ID	**StreamSite#23**
Date Acquired	**2 Apr 2003 10:43 pm**	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

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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

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

Data File	**VB013249.D**	Sample Name	**3011812**
Operator	**Skelton**	Field ID	**StreamSite#24**
Date Acquired	**19 Mar 2003 11:23 pm**	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

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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

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

Data File	VB013388.D	Sample Name	3013406
Operator	Skelton	Field ID	StreamSite#25
Date Acquired	2 Apr 2003 11:23 pm	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

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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

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

Data File	**VB013390.D**	Sample Name	**3013408**
Operator	**Skelton**	Field ID	**StreamSite#26**
Date Acquired	**3 Apr 2003 12:43 am**	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

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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

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

Data File	**VB013251.D**	Sample Name	**3011814**
Operator	**Skelton**	Field ID	**StreamSite#27**
Date Acquired	**20 Mar 2003 12:42 am**	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

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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

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

Data File	**VB013253.D**	Sample Name	**3011816**
Operator	**Skelton**	Field ID	**StreamSite#28**
Date Acquired	**20 Mar 2003 2:02 am**	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

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4/17/2003 3:25 PM

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

PCBs

TABULATED ANALYTICAL REPORT
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

mb 031903

MATRIX: Aqueous
Date Extracted: 3/19/03
Ext. Batch: 031903
Filename: PCB10967.D
Date Analyzed: 3/27/03

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 MDL

Initial 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 MDL

Initial 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
ND = Not detected at or above MDL

Initial 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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st Qrtr.**	**Date Extracted:**	**3/19/03**
Client ID:	**Field Blank**	**Ext. Batch:**	**031903**
Lab ID:	**3011802**	**Date Analyzed:**	**3/27/03**
Filename:	**PCB10969.D**	**DILUTION:**	**1**
Lab Project No:	**30118**		
		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. Qrtr.
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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st Qrtr.**	**Date Extracted:**	**3/19/03**
Client ID:	**Dupe**	**Ext. Batch:**	**031903**
Lab ID:	**3011803**	**Date Analyzed:**	**3/27/03**
Filename:	**PCB10970.D**	**DILUTION:**	**1**
Lab Project No:	**30118**		
		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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st. Qrtr.**	**Date Extracted:**	**3/28/03**
Client ID:	**Dupe**	**Ext. Batch:**	**032803**
Lab ID:	**3013403**	**Date Analyzed:**	**3/31/03**
Filename:	**PCB11015.D**	**DILUTION:**	**1**
Lab Project No:	**30134**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st. Qrtr.**	**Date Extracted:**	**3/28/03**
Client ID:	**Stream Site # 03**	**Ext. Batch:**	**032803**
Lab ID:	**3013409**	**Date Analyzed:**	**3/31/03**
Filename:	**PCB11021.D**	**DILUTION:**	**1**
Lab Project No:	**30134**	**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.	**MATRIX:**	Aqueous
Location:	Streams 1st Qrtr. '	**Date Extracted:**	3/20/03
Client ID:	Stream Site # 4	**Ext. Batch:**	032003
Lab ID:	3011817	**Date Analyzed:**	3/28/03
Filename:	PCB10989.D	**DILUTION:**	1
Lab Project No:	30118		
		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 Qrtr. '
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/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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st Qrtr. '**	**Date Extracted:**	**3/20/03**
Client ID:	**Stream Site # 7**	**Ext. Batch:**	**032003**
Lab ID:	**3011815**	**Date Analyzed:**	**3/28/03**
Filename:	**PCB10987.D**	**DILUTION:**	**1**
Lab Project No:	**30118**		
		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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st Qrtr.**	**Date Extracted:**	**3/19/03**
Client ID:	**Stream Site # 11**	**Ext. Batch:**	**031903**
Lab ID:	**3011811**	**Date Analyzed:**	**3/27/03**
Filename:	**PCB10978.D**	**DILUTION:**	**1**
Lab Project No:	**30118**		
		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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st Qrtr.**	**Date Extracted:**	**3/19/03**
Client ID:	**Stream Site # 12**	**Ext. Batch:**	**031903**
Lab ID:	**3011809**	**Date Analyzed:**	**3/27/03**
Filename:	**PCB10976.D**	**DILUTION:**	**1**
Lab Project No:	**30118**		
		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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st. Qrtr.**	**Date Extracted:**	**3/28/03**
Client ID:	**Stream Site # 13**	**Ext. Batch:**	**032803**
Lab ID:	**3013411**	**Date Analyzed:**	**3/31/03**
Filename:	**PCB11023.D**	**DILUTION:**	**1**
Lab Project No:	**30134**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st. Qrtr.**	**Date Extracted:**	**3/28/03**
Client ID:	**Stream Site # 14**	**Ext. Batch:**	**032803**
Lab ID:	**3013410**	**Date Analyzed:**	**3/31/03**
Filename:	**PCB11022.D**	**DILUTION:**	**1**
Lab Project No:	**30134**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st. Qrtr.**	**Date Extracted:**	**3/28/03**
Client ID:	**Stream Site 15**	**Ext. Batch:**	**032803**
Lab ID:	**3013404**	**Date Analyzed:**	**3/31/03**
Filename:	**PCB11016.D**	**DILUTION:**	**1**
Lab Project No:	**30134**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st Qrtr. '**	**Date Extracted:**	**3/19/03**
Client ID:	**Stream Site # 16**	**Ext. Batch:**	**031903**
Lab ID:	**3011813**	**Date Analyzed:**	**3/27/03**
Filename:	**PCB10980.D**	**DILUTION:**	**1**
Lab Project No:	**30118**		
		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.	MATRIX:	Aqueous
Location:	Streams 1st. Qrtr.	Date Extracted:	3/28/03
Client ID:	Stream Site # 17	Ext. Batch:	032803
Lab ID:	3013407	Date Analyzed:	3/31/03
Filename:	PCB11019.D	DILUTION:	1
Lab Project No:	30134	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.	MATRIX:	Aqueous
Location:	Streams 1st Qrtr. '	Date Extracted:	3/19/03
Client ID:	Stream Site # 18	Ext. Batch:	031903
Lab ID:	3011810	Date Analyzed:	3/27/03
Filename:	PCB10977.D	DILUTION:	1
Lab Project No:	30118		
		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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st Qrtr.**	**Date Extracted:**	**3/19/03**
Client ID:	**Stream Site # 19**	**Ext. Batch:**	**031903**
Lab ID:	**3011808**	**Date Analyzed:**	**3/27/03**
Filename:	**PCB10975.D**	**DILUTION:**	**1**
Lab Project No:	**30118**		
		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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st Qrtr. '**	**Date Extracted:**	**3/19/03**
Client ID:	**Stream Site # 20**	**Ext. Batch:**	**031903**
Lab ID:	**3011806**	**Date Analyzed:**	**3/27/03**
Filename:	**PCB10973.D**	**DILUTION:**	**1**
Lab Project No:	**30118**		
		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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st Qrtr. '**	**Date Extracted:**	**3/19/03**
Client ID:	**Stream Site # 21**	**Ext. Batch:**	**031903**
Lab ID:	**3011805**	**Date Analyzed:**	**3/27/03**
Filename:	**PCB10972.D**	**DILUTION:**	**1**
Lab Project No:	**30118**		
		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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st Qrtr. '**	**Date Extracted:**	**3/19/03**
Client ID:	**Stream Site # 22**	**Ext. Batch:**	**031903**
Lab ID:	**3011804**	**Date Analyzed:**	**3/27/03**
Filename:	**PCB10971.D**	**DILUTION:**	**1**
Lab Project No:	**30118**		
		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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st. Qrtr.**	**Date Extracted:**	**3/28/03**
Client ID:	**Stream Site # 23**	**Ext. Batch:**	**032803**
Lab ID:	**3013405**	**Date Analyzed:**	**3/31/03**
Filename:	**PCB11017.D**	**DILUTION:**	**1**
Lab Project No:	**30134**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st Qrtr. '**	**Date Extracted:**	**3/19/03**
Client ID:	**Stream Site # 24**	**Ext. Batch:**	**031903**
Lab ID:	**3011812**	**Date Analyzed:**	**3/27/03**
Filename:	**PCB10979.D**	**DILUTION:**	**1**
Lab Project No:	**30118**		
		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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st. Qrtr.**	**Date Extracted:**	**3/28/03**
Client ID:	**Stream Site # 25**	**Ext. Batch:**	**032803**
Lab ID:	**3013406**	**Date Analyzed:**	**3/31/03**
Filename:	**PCB11018.D**	**DILUTION:**	**1**
Lab Project No:	**30134**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st. Qrtr.**	**Date Extracted:**	**3/28/03**
Client ID:	**Stream Site # 26**	**Ext. Batch:**	**032803**
Lab ID:	**3013408**	**Date Analyzed:**	**3/31/03**
Filename:	**PCB11020.D**	**DILUTION:**	**1**
Lab Project No:	**30134**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st Qrtr. '**	**Date Extracted:**	**3/19/03**
Client ID:	**Stream Site # 27**	**Ext. Batch:**	**031903**
Lab ID:	**3011814**	**Date Analyzed:**	**3/27/03**
Filename:	**PCB10981.D**	**DILUTION:**	**1**
Lab Project No:	**30118**		
		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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st Qrtr. '**	**Date Extracted:**	**3/20/03**
Client ID:	**Stream Site # 28**	**Ext. Batch:**	**032003**
Lab ID:	**3011816**	**Date Analyzed:**	**3/28/03**
Filename:	**PCB10988.D**	**DILUTION:**	**1**
Lab Project No:	**30118**		
		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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 1st Qrtr. '**	**Date Extracted:**	**3/19/03**
Client ID:	**Stream Site # 29**	**Ext. Batch:**	**031903**
Lab ID:	**3011807**	**Date Analyzed:**	**3/27/03**
Filename:	**PCB10974.D**	**DILUTION:**	**1**
Lab Project No:	**30118**		
		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

	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					-
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

SOURCE: 3

Sampling Dates:
07/17/1997 - 03/24/2003

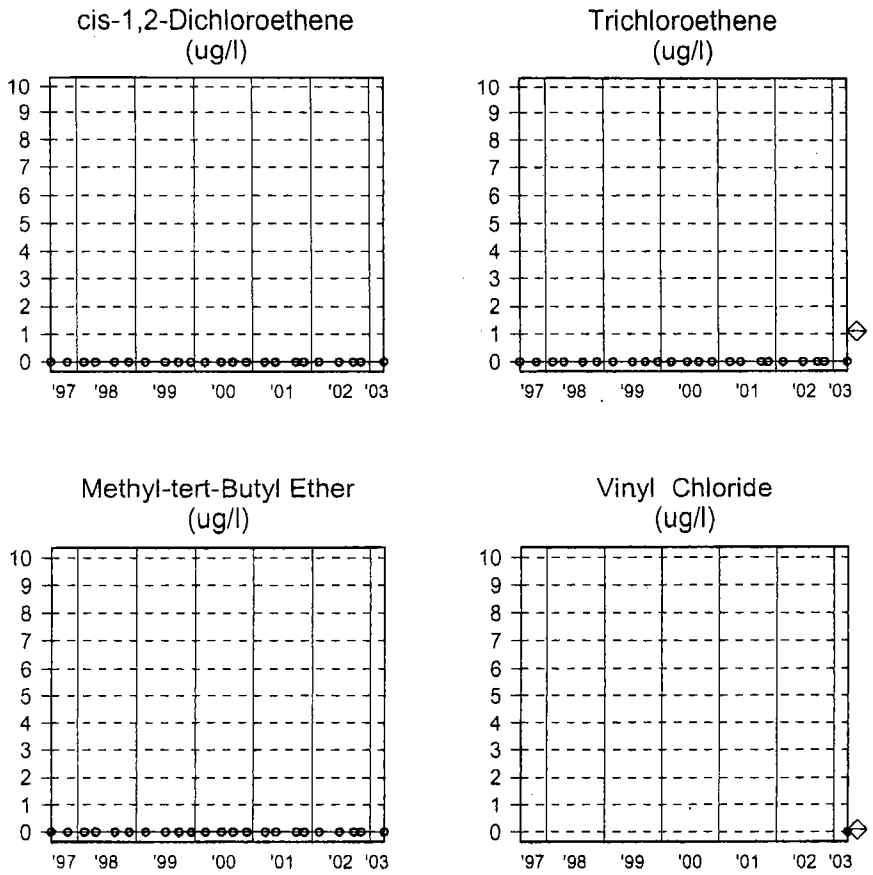
NOTES:

Stream 3 is Fresh-Water.
MeCl limit is 2.49 ug/L.
PCE limit is 0.388 ug/L.

Fort Monmouth

GW Monitoring
Streams

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 3

Sampling Dates:
07/17/1997 - 03/24/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 1 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-02-2003 X:\MtechData\Streams\STREAMS.WSF

	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	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

SOURCE: 4

Sampling Dates:
04/08/1997 - 03/13/2003

NOTES:

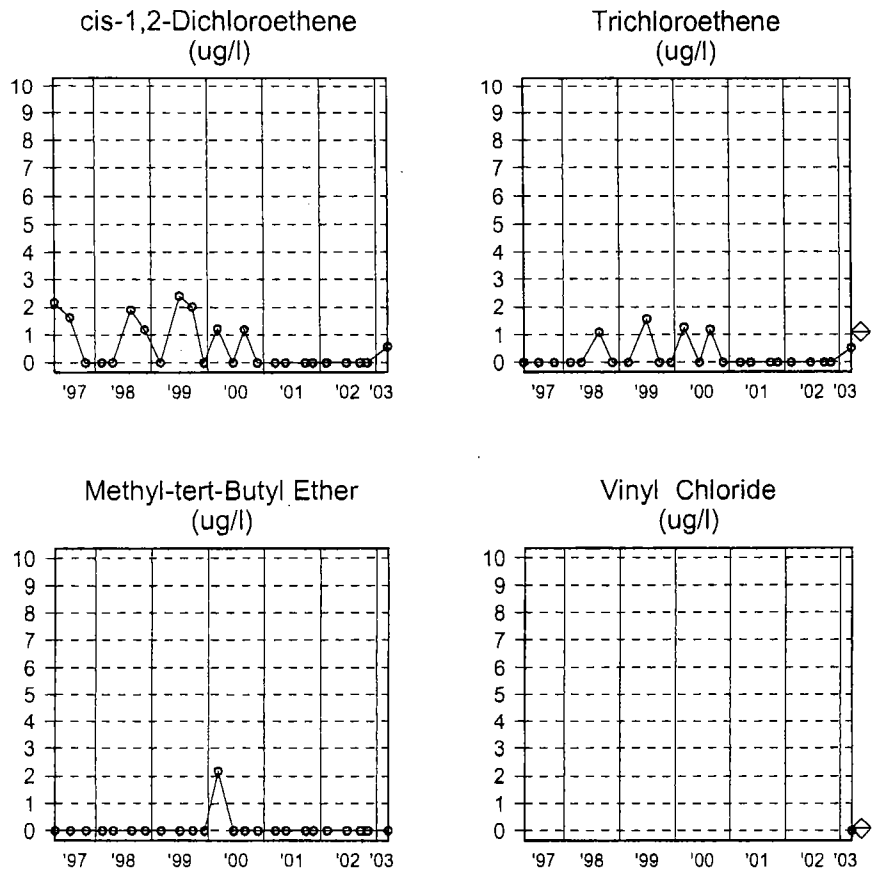
PAGE 1 OF 1
Stream 4 is Salt-Water.
MTBE limit is NLE
cis-1,2-Di limit is NLE
TCE limit is 81
PCE limit is 4.29

Fort Monmouth

GW Monitoring
Streams

Source 2 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 4

Sampling Dates:
04/08/1997 - 03/13/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 2 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	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:

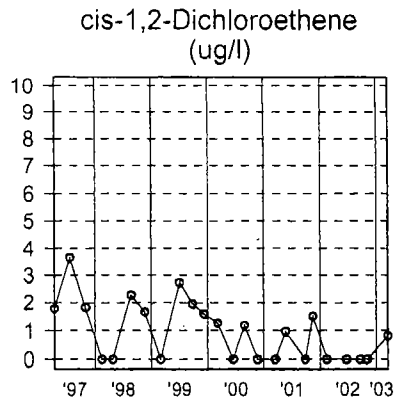
Page 1 of 1
Stream 5 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.

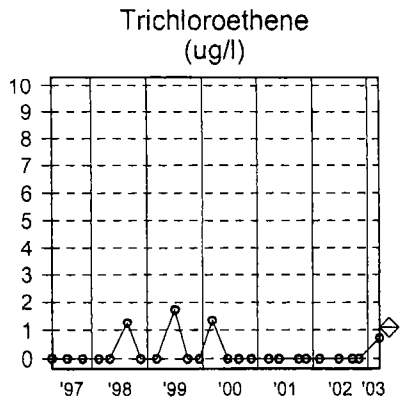
Fort Monmouth

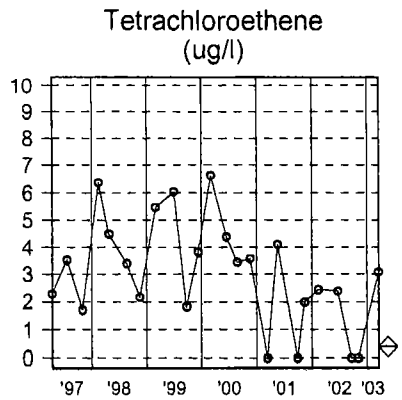
GW Monitoring
Streams

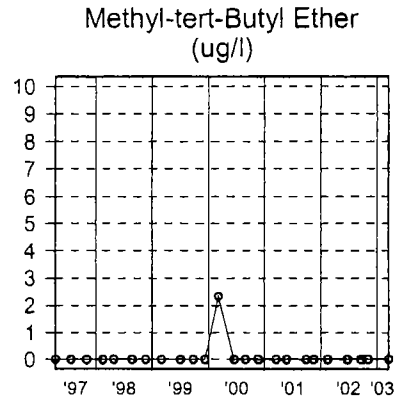
Source 3 of 23

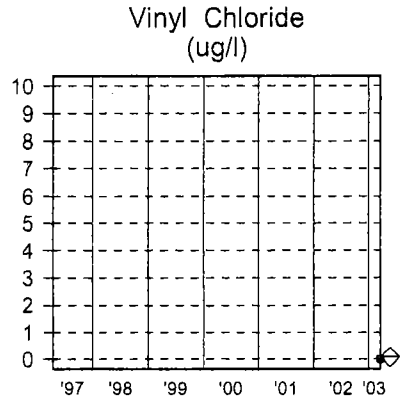
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











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
SELFM-PW-EV

	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	ND	ND	ND	ND						
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.

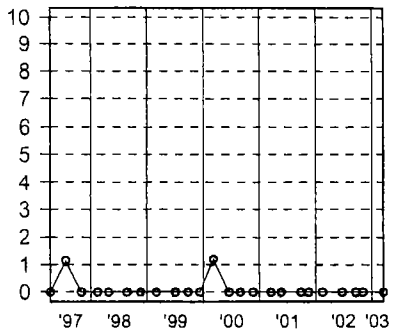
Fort Monmouth

GW Monitoring
Streams

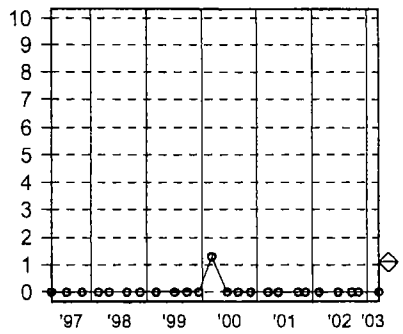
Source 4 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

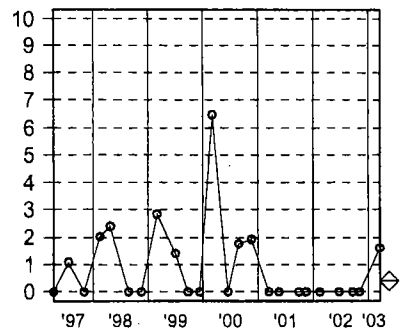
cis-1,2-Dichloroethene
(ug/l)



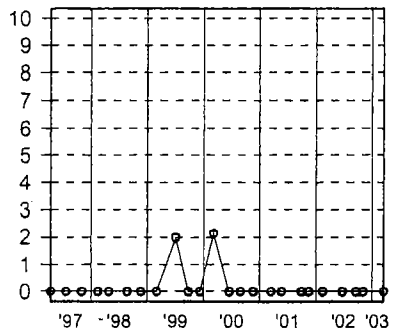
Trichloroethene
(ug/l)



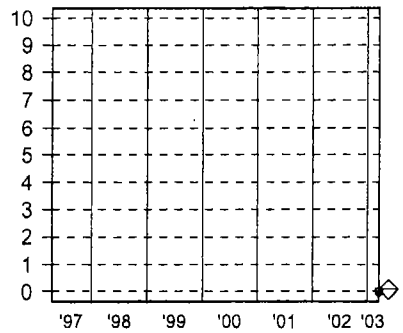
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 7

Sampling Dates:
04/08/1997 - 03/13/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 4 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	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						-
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.

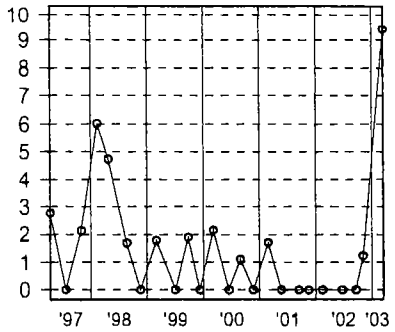
Fort Monmouth

GW Monitoring
Streams

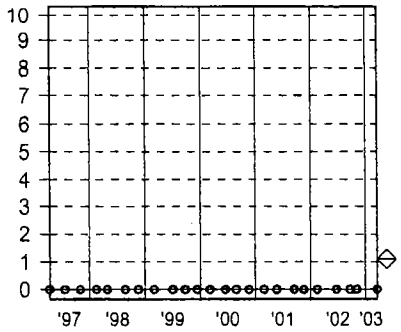
Source 5 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

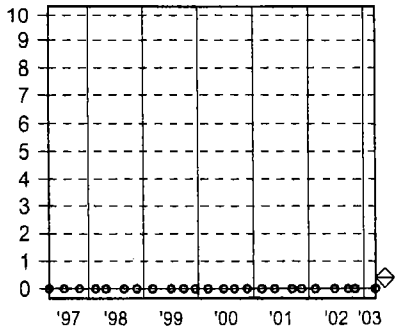
cis-1,2-Dichloroethene
(ug/l)



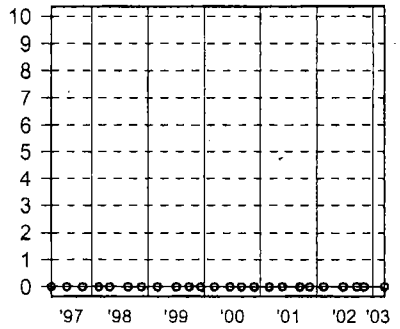
Trichloroethene
(ug/l)



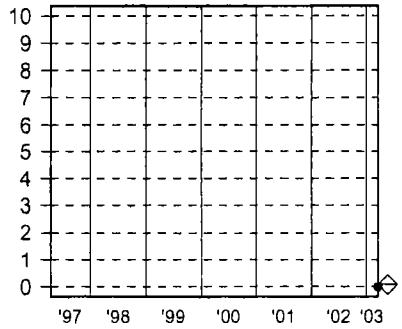
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 9

Sampling Dates:
04/08/1997 - 03/13/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 5 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	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:

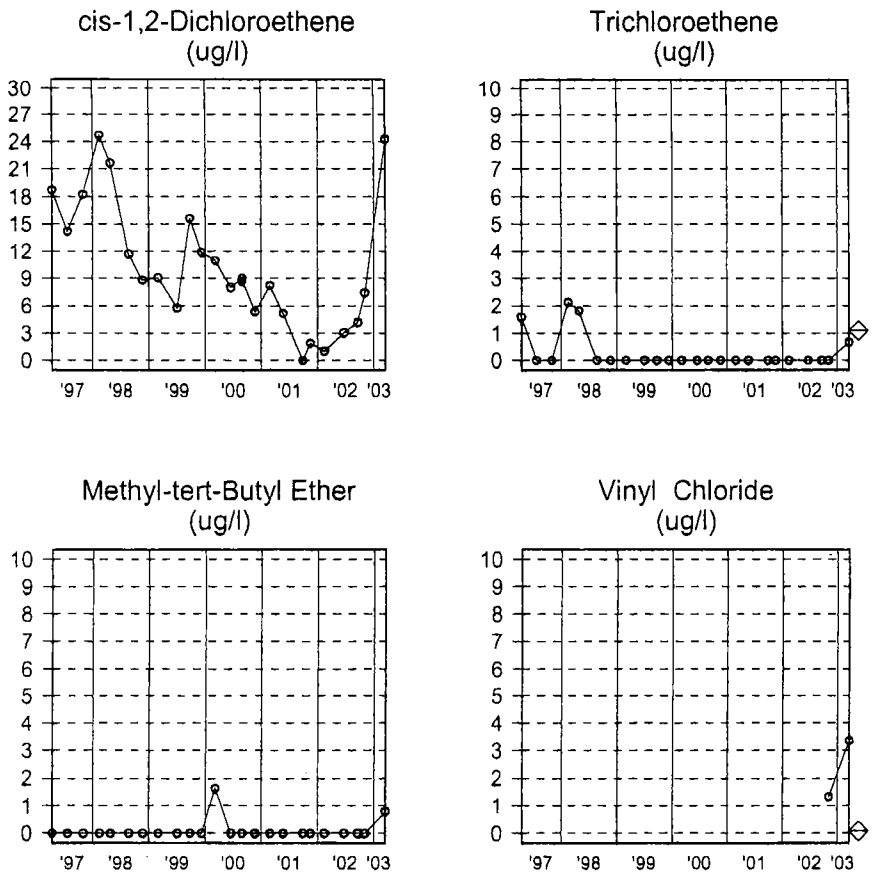
Page 1 of1
Stream 11 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09 ug/L.
MTBE limit is NLE.

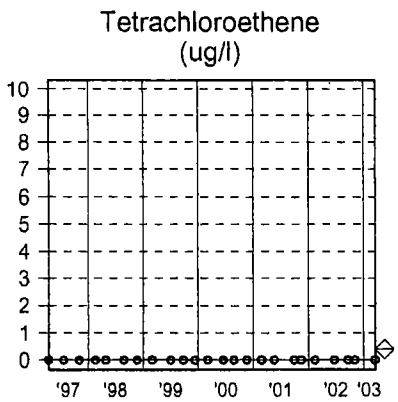
Fort Monmouth

GW Monitoring
Streams

Source 6 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 11

Sampling Dates:
04/08/1997 - 03/13/2003

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

05-02-2003 X:\MtechData\Streams\STREAMS.WSF

	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						
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

SOURCE: 12

Sampling Dates:
04/08/1997 - 03/13/2003

NOTES:

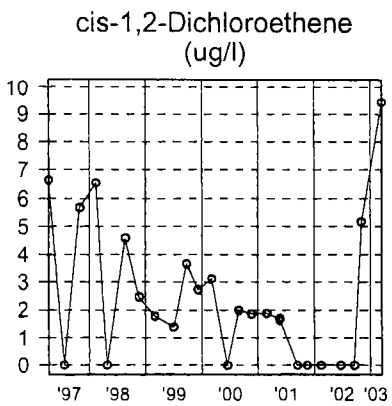
Page 1 of 1
Stream 12 is Fresh-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

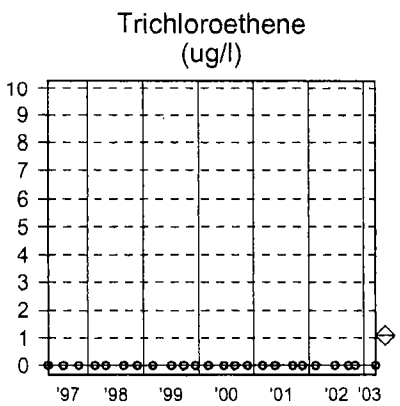
Fort Monmouth

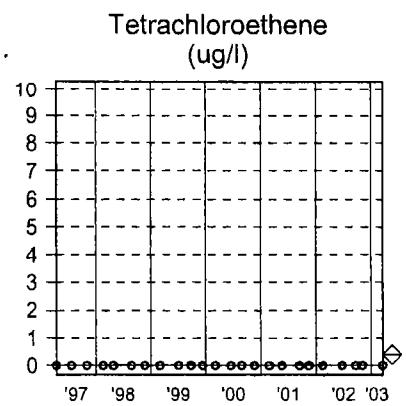
GW Monitoring
Streams

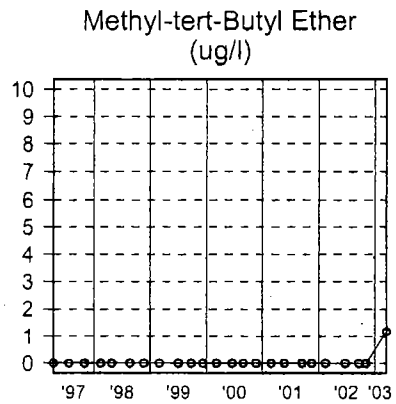
Source 7 of 23

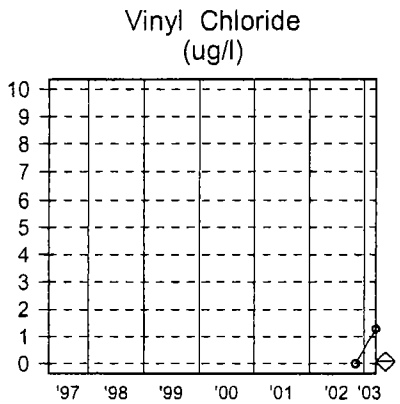
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 12

Sampling Dates:
04/08/1997 - 03/13/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 7 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-02-2003 X:\MtechData\Streams\STREAMS.WSF

	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	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	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.

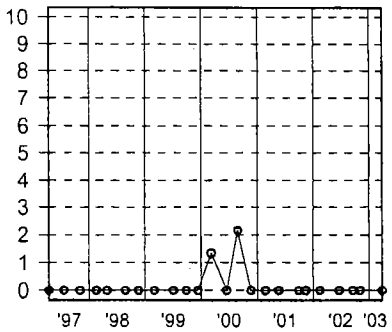
Fort Monmouth

GW Monitoring
Streams

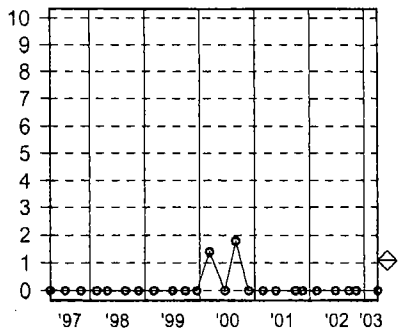
Source 8 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

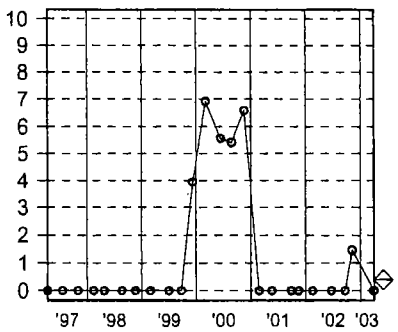
cis-1,2-Dichloroethene
(ug/l)



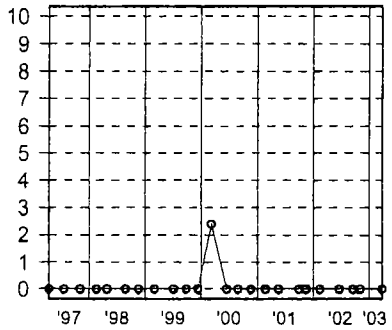
Trichloroethene
(ug/l)



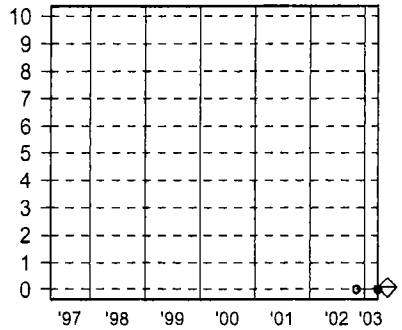
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 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

	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	ND	ND	ND	ND						
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.

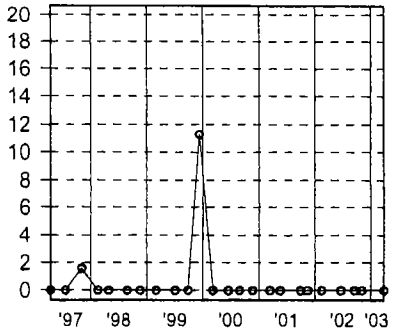
Fort Monmouth

GW Monitoring
Streams

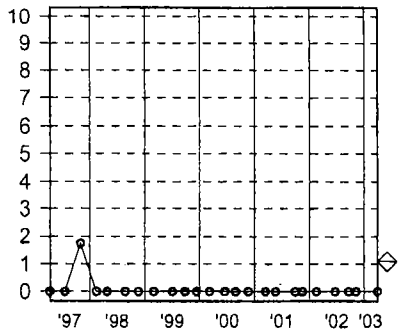
Source 9 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

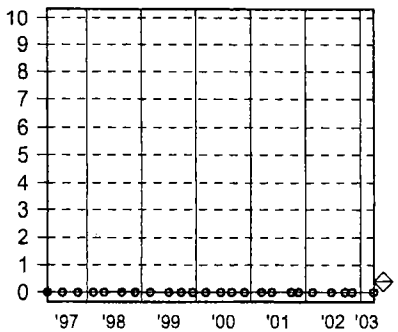
cis-1,2-Dichloroethene
(ug/l)



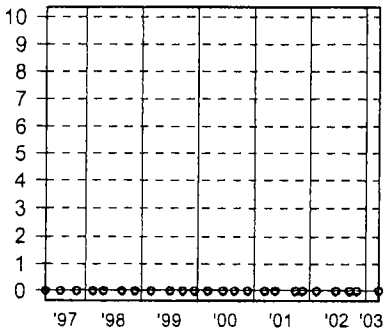
Trichloroethene
(ug/l)



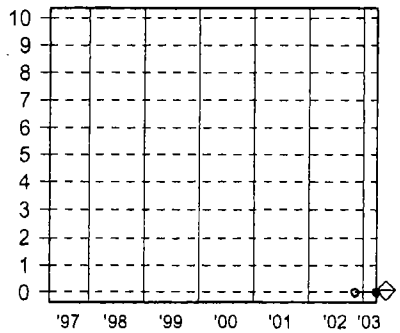
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 14

Sampling Dates:
04/08/1997 - 03/24/2003

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

	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	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:

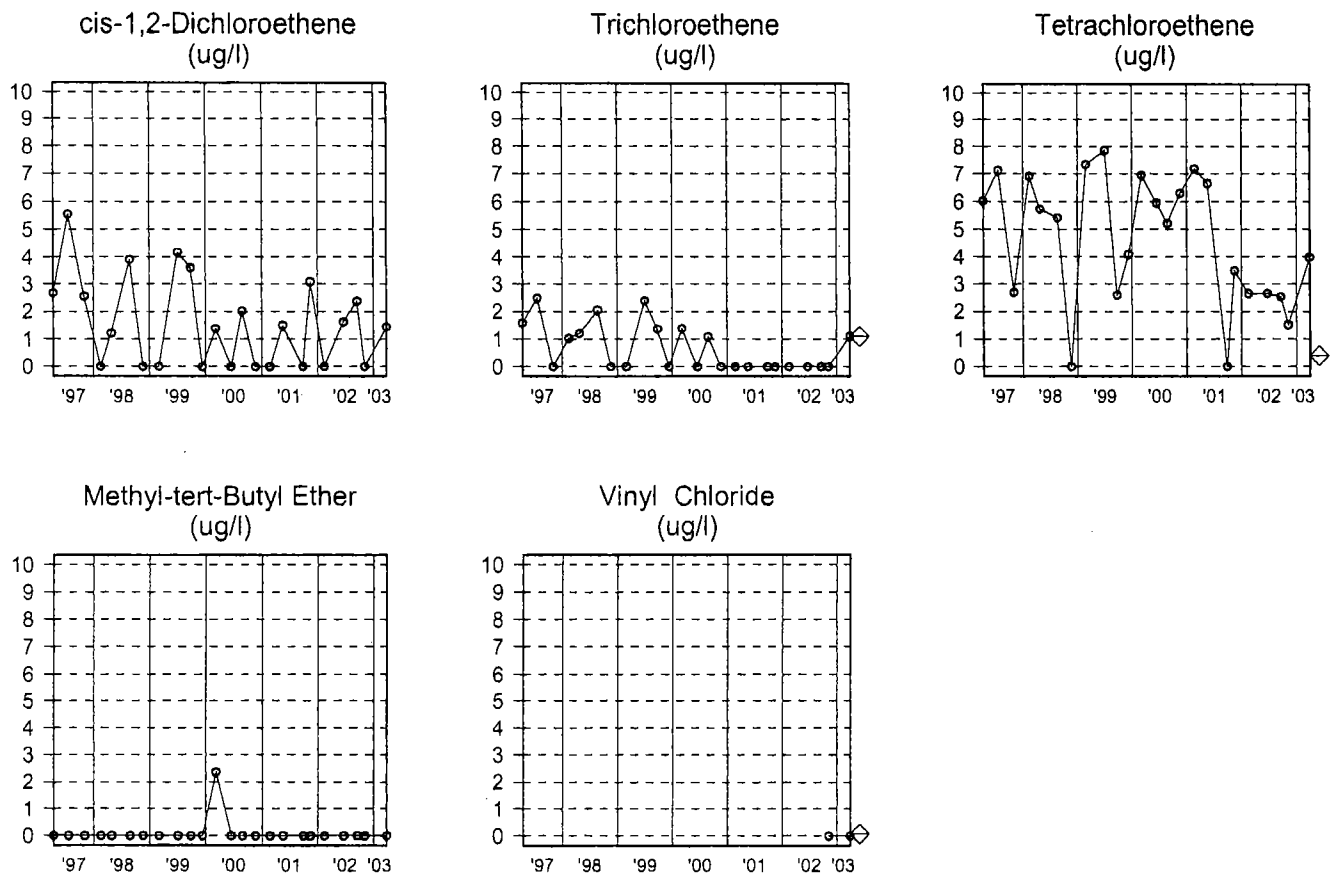
Page 1 of 1
Stream 15 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09 ug/L.
PCE limit is 0.388 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 10 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 15

Sampling Dates:
04/08/1997 - 03/24/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 10 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	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

SOURCE: 16

Sampling Dates:
04/08/1997 - 03/13/2003

NOTES:

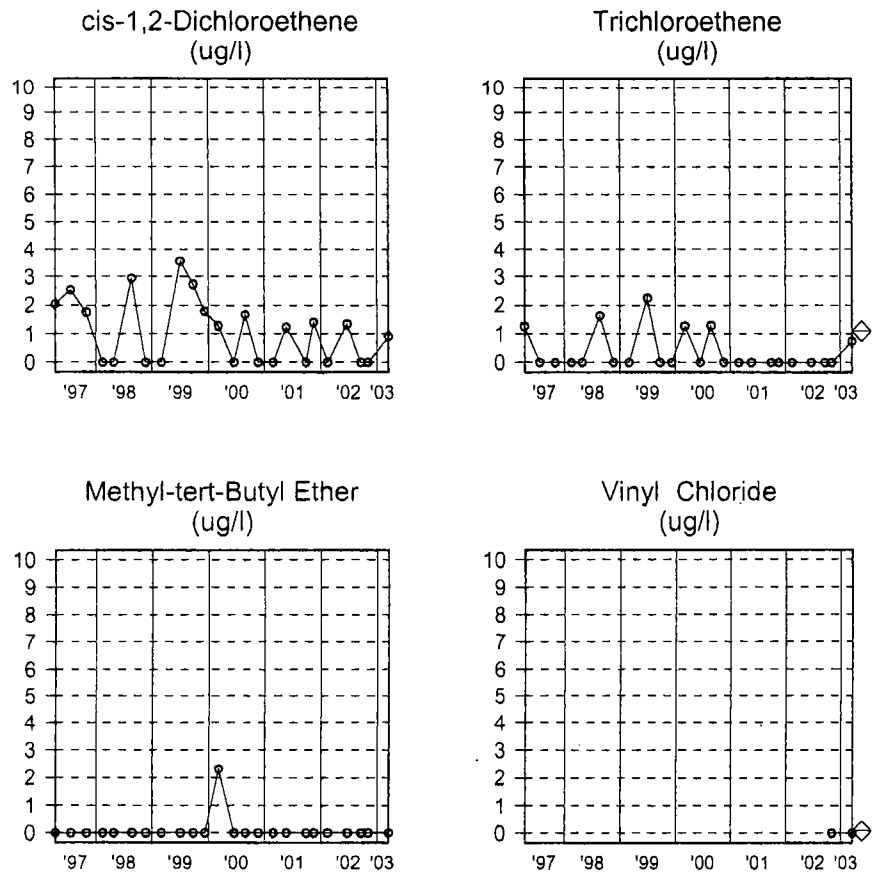
Page 1 of 1
Stream 16 is Salt-Water.
cis-1,2-di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 11 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 16

Sampling Dates:
04/08/1997 - 03/13/2003

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

05-02-2003 X:\MtechData\Streams\STREAMS.WSF

	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	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	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:

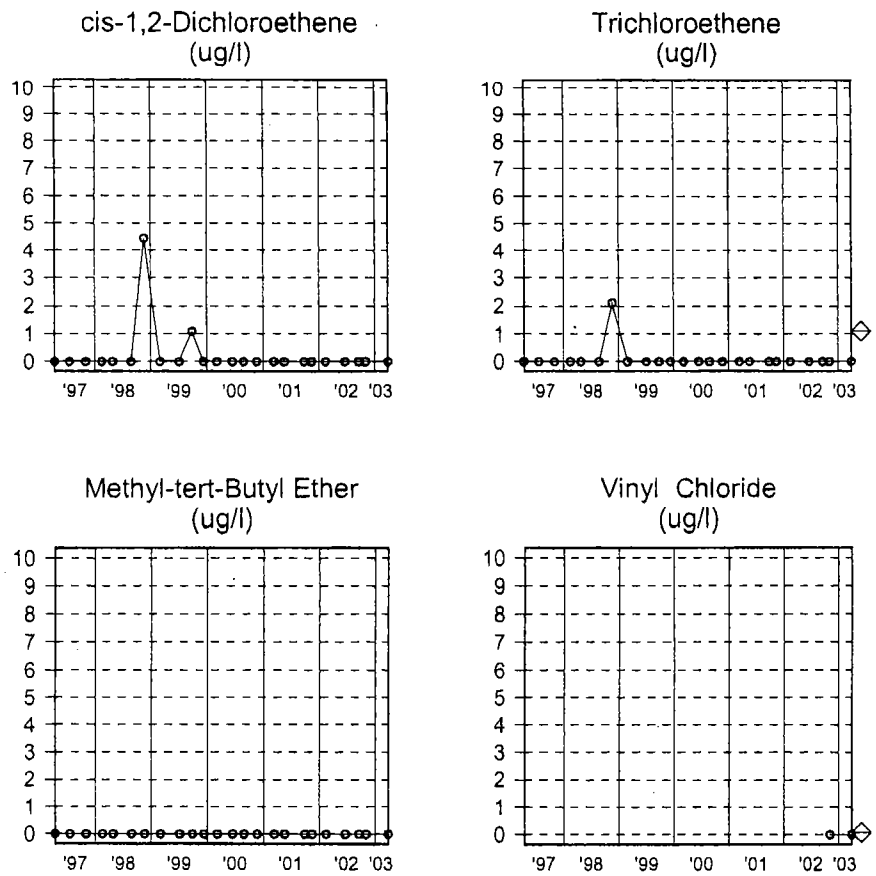
Page 1 of 1
stream 17 is Salt-Water.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
Acetone limit is NLE.
Chlorobenzene limit is 21000 ug/L.

Fort Monmouth

GW Monitoring
Streams

Source 12 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 17

Sampling Dates:
04/08/1997 - 03/24/2003

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

	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	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.

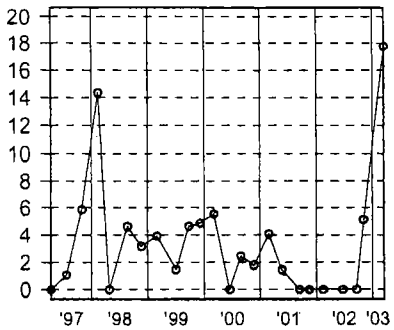
Fort Monmouth

GW Monitoring
Streams

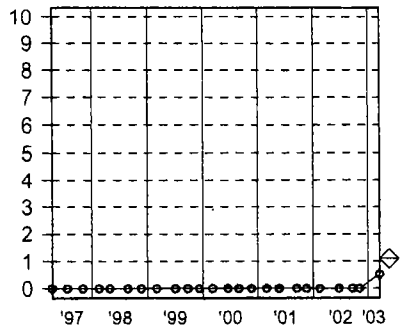
Source 13 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

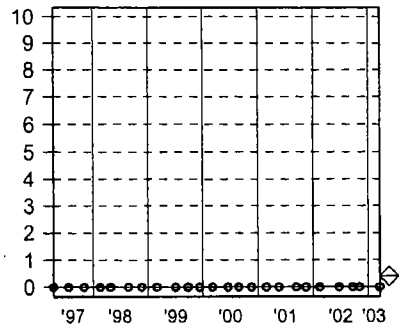
cis-1,2-Dichloroethene
(ug/l)



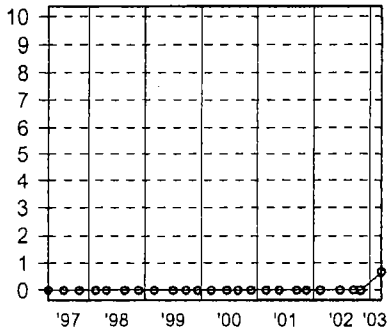
Trichloroethene
(ug/l)



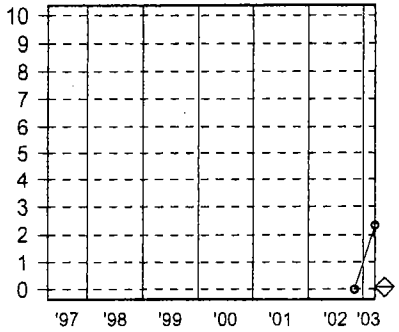
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 18

Sampling Dates:
04/08/1997 - 03/13/2003

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

	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	6.44	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:

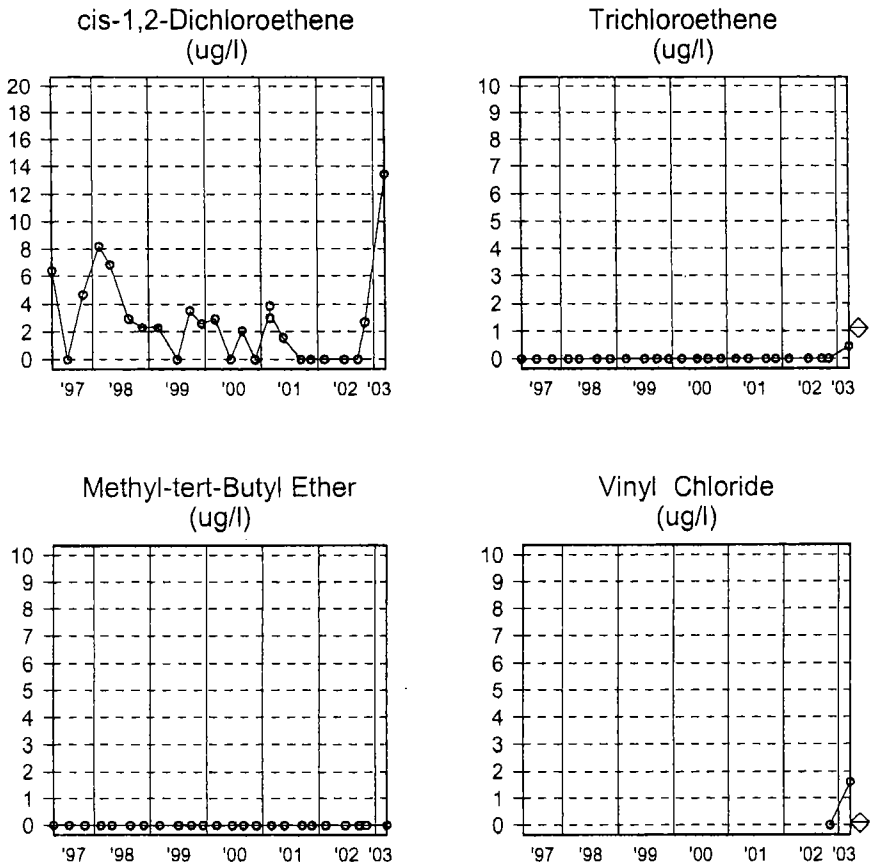
Page 1 of 1
Stream 19 is Salt-Water.
cis-1,2-Di limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 14 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 19

Sampling Dates:
04/08/1997 - 03/13/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 14 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	ND	ND	ND	ND						
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:

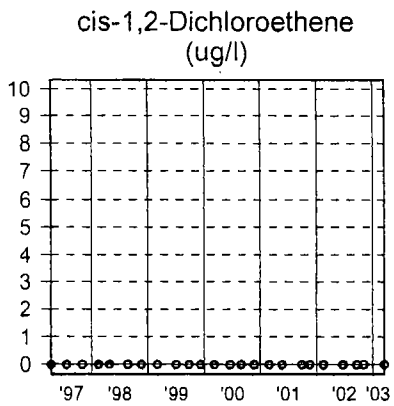
Page 1 of 1
Stream20 is Salt-Water.
Ethylben limit is 27900 ug/L.
MTBE limit is NLE.

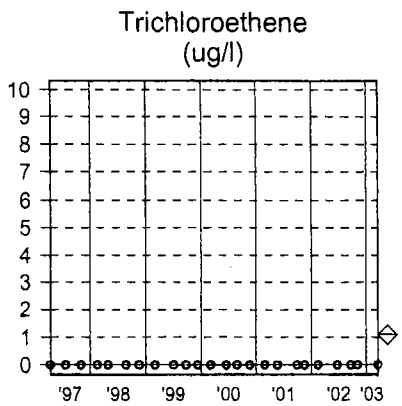
Fort Monmouth

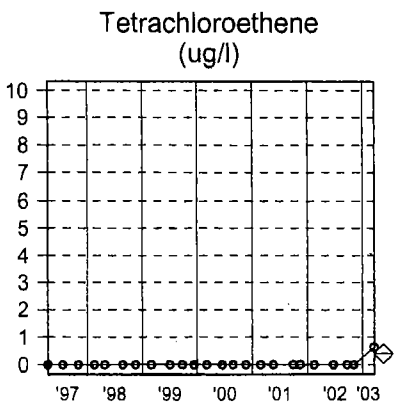
GW Monitoring
Streams

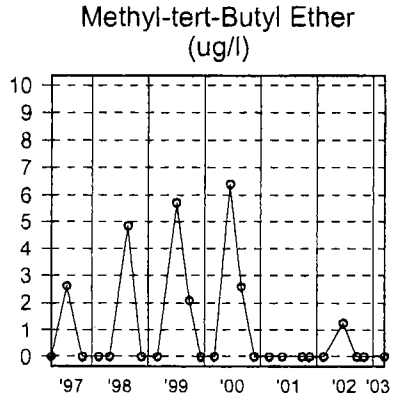
Source 15 of 23

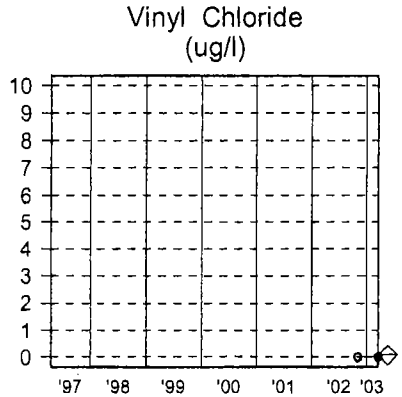
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 20

Sampling Dates:
04/08/1997 - 03/13/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 15 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-02-2003 X:\MtechData\Streams\STREAMS.WSF

	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	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

SOURCE: 21

Sampling Dates:
04/08/1997 - 03/13/2003

NOTES:

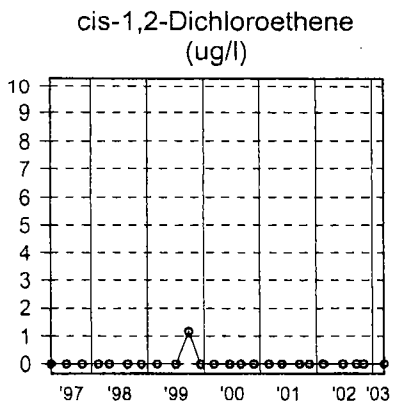
Page 1 of 1
Sream 21 is Salt-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.
MTBE limit is NLE.

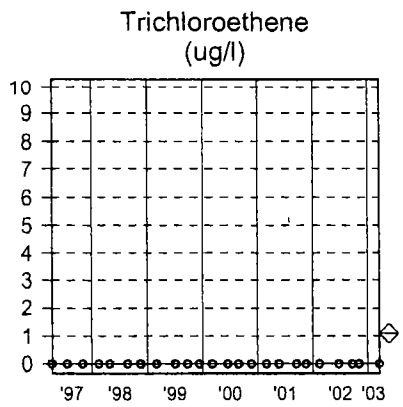
Fort Monmouth

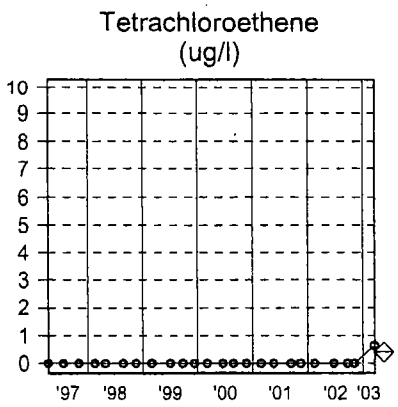
GW Monitoring
Streams

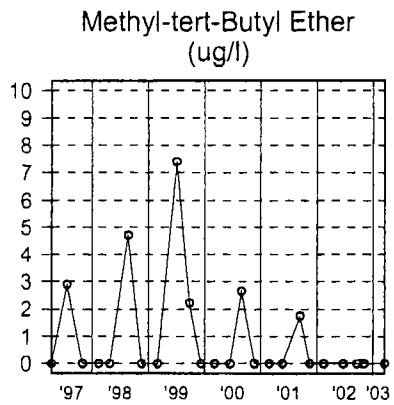
Source 16 of 23

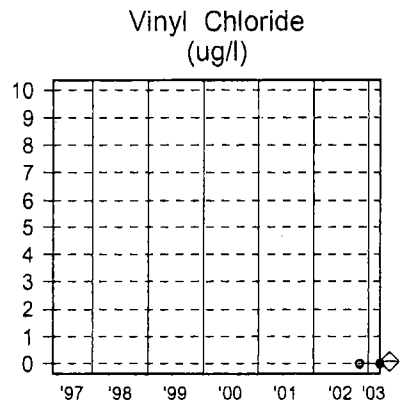
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 21

Sampling Dates:
04/08/1997 - 03/13/2003

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

05-02-2003 X:\MtechData\Streams\STREAMS.WSF

	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	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	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

NOTES:

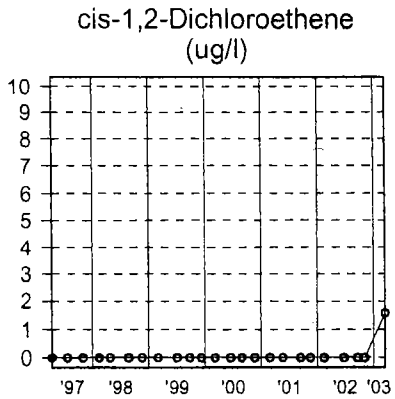
Page 1 of 1
Stream 22 is Salt-Water.
Acetone limit is NLE.
MTBE limit is NLE.

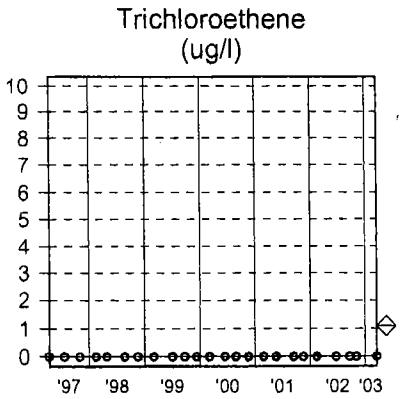
Fort Monmouth

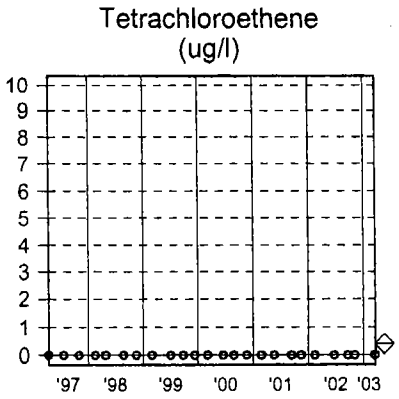
GW Monitoring
Streams

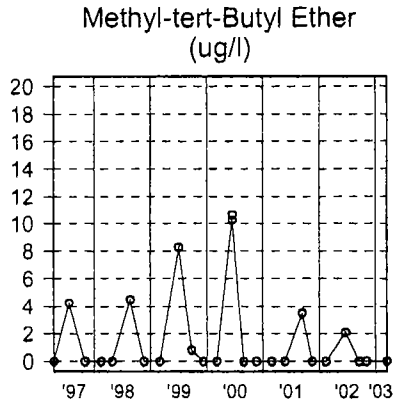
Source 17 of 23

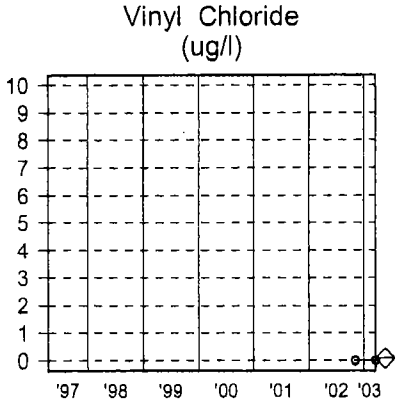
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 22

Sampling Dates:
04/08/1997 - 03/13/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 17 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-02-2003 X:\MtechData\Streams\STREAMS.WSF

	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

SOURCE: 23

Sampling Dates:
06/12/2000 - 03/24/2003

NOTES:

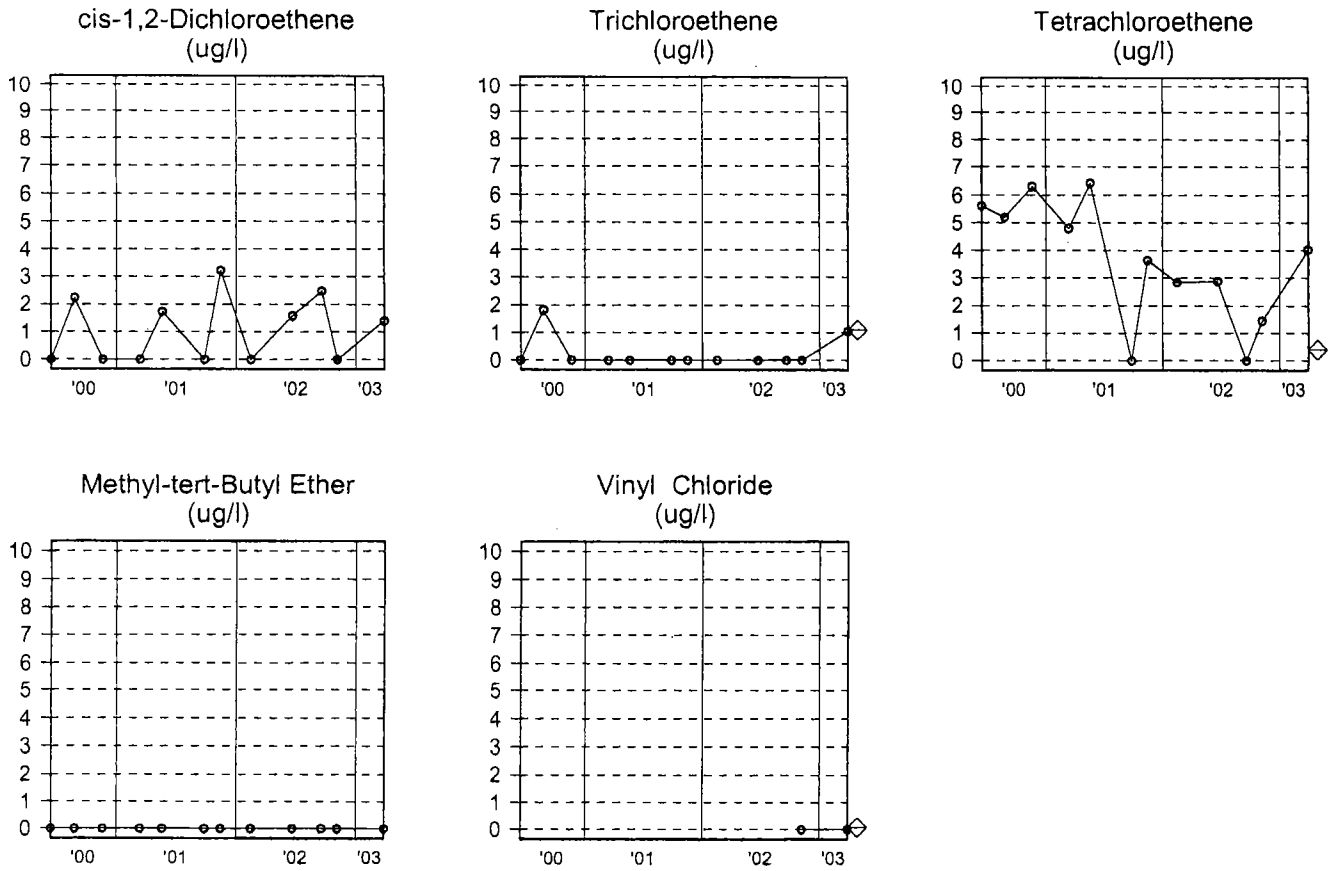
Page 1 of 1
Stream 23 is Fresh-Water

Fort Monmouth

GW Monitoring
Streams

Source 18 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 23

Sampling Dates:
06/12/2000 - 03/24/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 18 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	4.72	ND						
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:

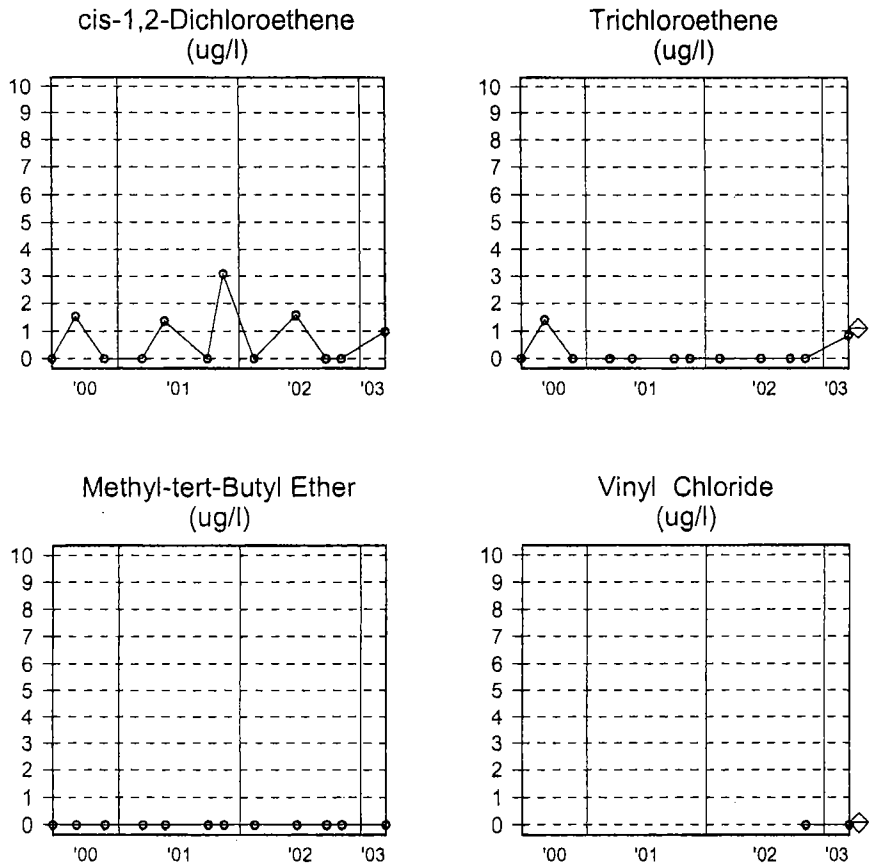
Page 1 of 2
Stream 24 is Fresh-Water

Fort Monmouth

GW Monitoring
Streams

Source 19 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 24

Sampling Dates:
06/12/2000 - 03/13/2003

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

	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	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

SOURCE: 25

Sampling Dates:
06/12/2000 - 03/24/2003

NOTES:

Page 1 of 1
Stream 25 is Salt-Water.

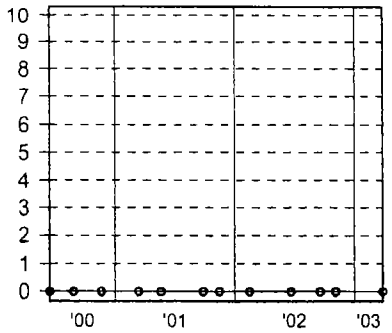
Fort Monmouth

GW Monitoring
Streams

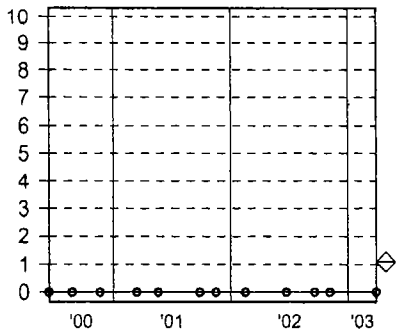
Source 20 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

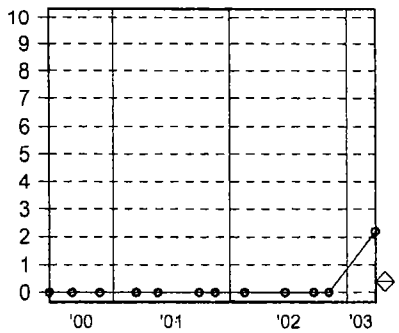
cis-1,2-Dichloroethene
(ug/l)



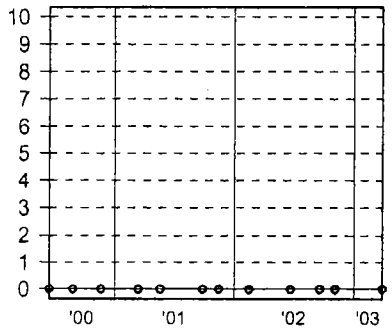
Trichloroethene
(ug/l)



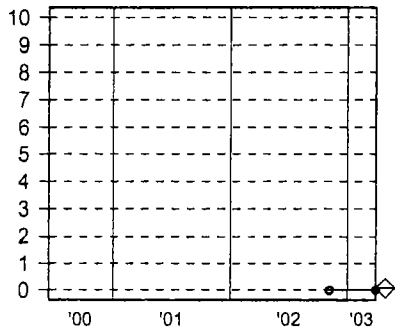
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 25

Sampling Dates:
06/12/2000 - 03/24/2003

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

05-02-2003 X:\MtechData\Streams\STREAMS.WSF

	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	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: 26

Sampling Dates:
06/12/2000 - 03/24/2003

NOTES:

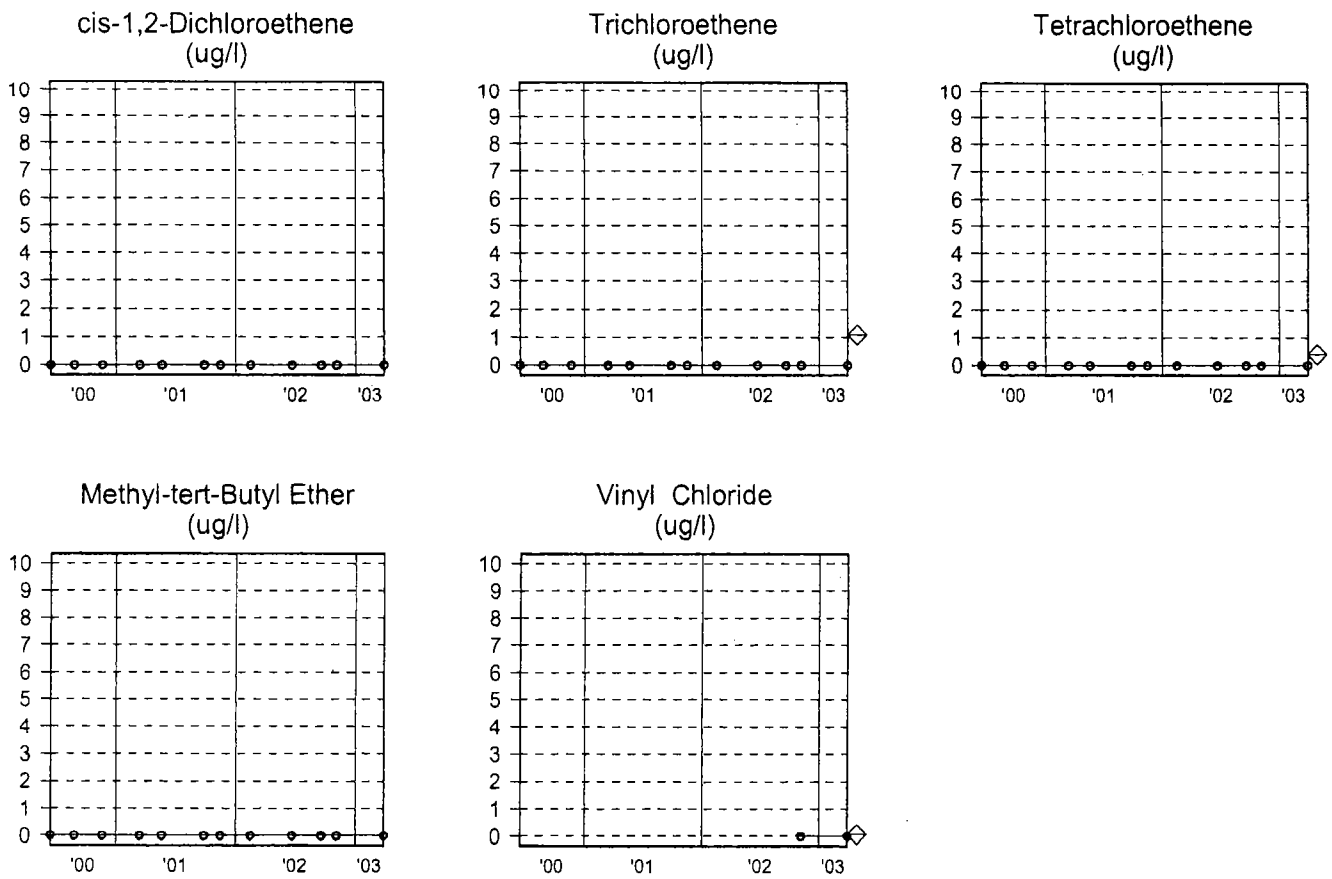
Page 1 of 1
Stream 26 is Fresh-Water

Fort Monmouth

GW Monitoring
Streams

Source 21 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 26

Sampling Dates:
06/12/2000 - 03/24/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 21 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-02-2003 X:\MtechData\Streams\STREAMS.WSF

	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	ND	ND						
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

SOURCE: 27

Sampling Dates:
06/12/2000 - 03/13/2003

NOTES:

Page 1 of 1
Stream 27 is Salt Water.

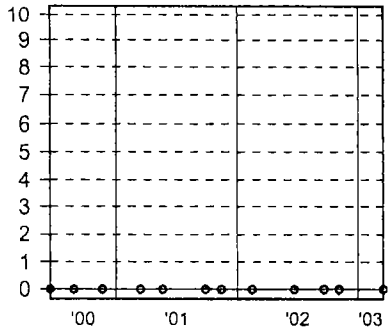
Fort Monmouth

GW Monitoring
Streams

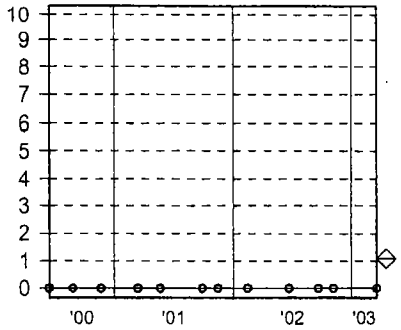
Source 22 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

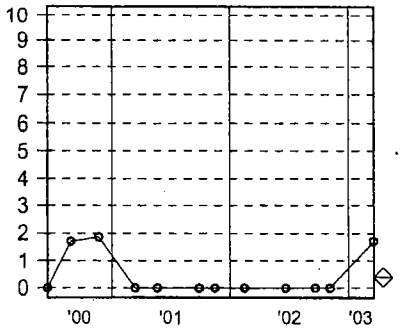
cis-1,2-Dichloroethene
(ug/l)



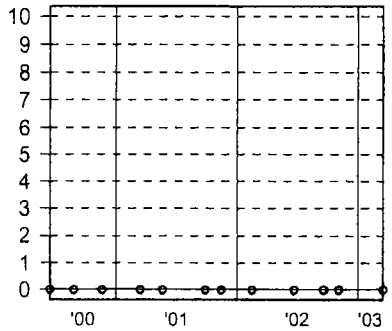
Trichloroethene
(ug/l)



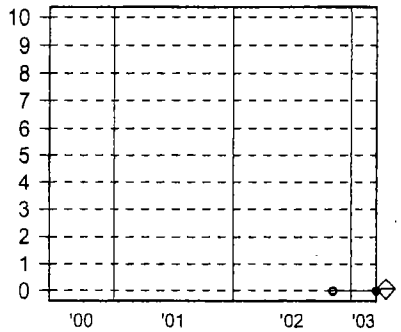
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 27

Sampling Dates:
06/12/2000 - 03/13/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 22 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-02-2003 X:\MtechData\Streams\STREAMS.WSF

	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	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

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
SELFM-PW-EV

	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	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

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

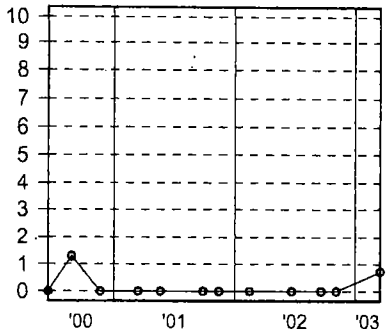
Fort Monmouth

GW Monitoring
Streams

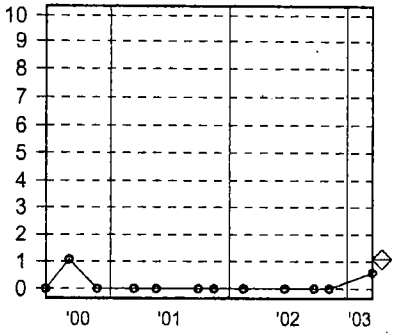
Source 23 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

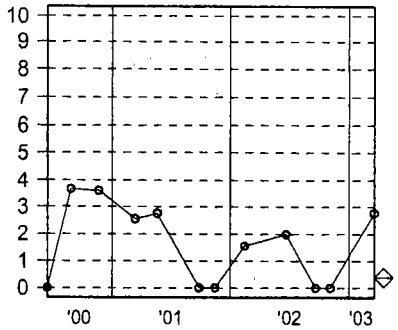
cis-1,2-Dichloroethene
(ug/l)



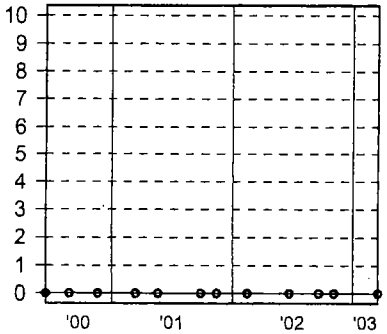
Trichloroethene
(ug/l)



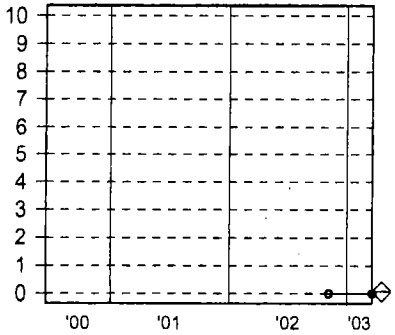
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 28

Sampling Dates:
06/12/2000 - 03/13/2003

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

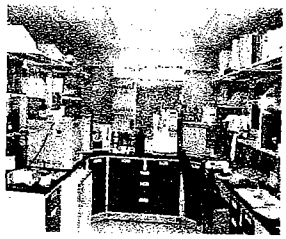
FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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: 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

6-16-03

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

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	Sample Name	MB 30May03
Operator	Skelton	Field ID	MB 30May03
Date Aquired	30-May-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

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

Data File	**VC009516.D**	Sample Name	**MB 30May03**
Operator	**Skelton**	Field ID	**MB 30May03**
Date Aquired	**30-May-03**	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

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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

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

Data File	**VC009553.D**	Sample Name	**MB 02Jun03**
Operator	**Skelton**	Field ID	**MB 02Jun03**
Date Aquired	**2-Jun-03**	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
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R.L. = Recovery Limits
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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461
Freshwater Results

Data File	**VC009553.D**	Sample Name	**MB 02Jun03**
Operator	**Skelton**	Field ID	**MB 02Jun03**
Date Aquired	**2-Jun-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
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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

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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:
(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 Number #13461
SaltWater Results

Data File	**VC009522.D**	Sample Name	**3024701**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**30-May-03**	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

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

Data File	**VC009522.D**	Sample Name	**3024701**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**30-May-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: **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

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

Data File	**VC009523.D**	Sample Name	**3024702**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**30-May-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

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

Data File	**VC009523.D**	Sample Name	**3024702**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**30-May-03**	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

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

Data File	**VC009524.D**	Sample Name	**3024703**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**30-May-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

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

Data File	**VC009524.D**	Sample Name	**3024703**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**30-May-03**	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

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6/5/2003 3:09 PM

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:
(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 Number #13461
SaltWater Results

Data File	**VC009539.D**	Sample Name	**3024716**
Operator	**Skelton**	Field ID	**SS#04**
Date Aquired	**31-May-03**	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

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

Data File	**VC009538.D**	Sample Name	**3024715**
Operator	**Skelton**	Field ID	**SS#05**
Date Aquired	**31-May-03**	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

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

Data File	VC009536.D	Sample Name	3024713
Operator	Skelton	Field ID	SS#13
Date Aquired	31-May-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#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:
(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 Number #13461
Freshwater Results

Data File	**VC009535.D**	Sample Name	**3024712**
Operator	**Skelton**	Field ID	**SS#15**
Date Aquired	**31-May-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	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:
(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 Number #13461
SaltWater Results

Data File	VC009537.D	Sample Name	3024714
Operator	Skelton	Field ID	SS#16
Date Aquired	31-May-03	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:
(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 Number #13461
SaltWater Results

Data File	**VC009525.D**	Sample Name	**3024704**
Operator	**Skelton**	Field ID	**SS#22**
Date Aquired	**30-May-03**	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

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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

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

Data File	**VC009528.D**	Sample Name	**3024705**
Operator	**Skelton**	Field ID	**SS#21**
Date Aquired	**30-May-03**	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

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

Data File	**VC009529.D**	Sample Name	**3024706**
Operator	**Skelton**	Field ID	**SS#20**
Date Aquired	**30-May-03**	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:
(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 Number #13461
SaltWater Results

Data File	**VC009530.D**	Sample Name	**3024707**
Operator	**Skelton**	Field ID	**SS#09**
Date Aquired	**31-May-03**	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

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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

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

Data File	**VC009531.D**	Sample Name	**3024708**
Operator	**Skelton**	Field ID	**SS#19**
Date Aquired	**31-May-03**	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

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

Data File	**VC009532.D**	Sample Name	**3024709**
Operator	**Skelton**	Field ID	**SS#12**
Date Aquired	**31-May-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	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

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

Data File	**VC009533.D**	Sample Name	**3024710**
Operator	**Skelton**	Field ID	**SS#18**
Date Aquired	**31-May-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	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

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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

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

Data File	**VC009534.D**	Sample Name	**3024711**
Operator	**Skelton**	Field ID	**SS#11**
Date Aquired	**31-May-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	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

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

Data File	VC009540.D	Sample Name	3024717
Operator	Skelton	Field ID	SS#07
Date Aquired	31-May-03	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

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

Data File	**VC009541.D**	Sample Name	**3024718**
Operator	**Skelton**	Field ID	**SS#17**
Date Aquired	**31-May-03**	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

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

Data File	VC009542.D	Sample Name	3024719
Operator	Skelton	Field ID	SS#03
Date Aquired	31-May-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

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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

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

Data File	**VC009543.D**	Sample Name	**3024720**
Operator	**Skelton**	Field ID	**SS#14**
Date Aquired	**31-May-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#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:
(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 Number #13461
SaltWater Results

Data File	VC009544.D	Sample Name	3024721
Operator	Skelton	Field ID	SS#23
Date Aquired	31-May-03	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:
(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 Number #13461
SaltWater Results

Data File	VC009545.D	Sample Name	3024722
Operator	Skelton	Field ID	SS#24
Date Aquired	31-May-03	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:
(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 Number #13461
SaltWater Results

Data File	VC009546.D	Sample Name	3024723
Operator	Skelton	Field ID	SS#25
Date Aquired	31-May-03	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#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/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 Number #13461
SaltWater Results

Data File	**VC009557.D**	Sample Name	**3024724**
Operator	**Skelton**	Field ID	**SS#26**
Date Aquired	**2-Jun-03**	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
SaltWater Results

Data File	**VC009558.D**	Sample Name	**3024725**
Operator	**Skelton**	Field ID	**SS#27**
Date Aquired	**2-Jun-03**	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

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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

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

Data File	VC009559.D	Sample Name	3024726
Operator	Skelton	Field ID	SS#28
Date Aquired	2-Jun-03	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

U.S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

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.

CAS #	COMPOUNDS	RESULTS (ug/L)	MDL (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.

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.

CAS #	COMPOUNDS	RESULTS (ug/L)	MDL (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 Qrtr. '03
Field ID: FIELDBLANK
Lab ID: 3024702
Filename: 01349.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qrtr. '03
Field ID: Dupe
Lab ID: 3024703
Filename: 01350.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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.

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 Qrtr. '03
Field ID: SS# 04
Lab ID: 3024716
Filename: 01402B.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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.

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 Qrtr. '03
Field ID: SS# 05
Lab ID: 3024715
Filename: 01401B.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qrtr. '03
Field ID: SS# 13
Lab ID: 3024713
Filename: 01399B.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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.

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 Qrtr. '03
Field ID: SS# 15
Lab ID: 3024712
Filename: 01398B.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qrtr. '03
Field ID: SS# 16
Lab ID: 3024714
Filename: 01400B.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qrtr. '03
Field ID: SS# 22
Lab ID: 3024704
Filename: 01351.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client:	U.S. Army, DPW, SELFM-PW-EV	**Location:**	Streams, 2nd Qrtr. '03
Project Name:	Streams, 2nd Qrtr. '03	**MATRIX:**	Aqueous
Field ID:	SS# 21	**Ext. Batch:**	052303
Lab ID:	3024705	**Date Extracted:**	5/23/2003
Filename:	01352.D	**Date Analyzed:**	30-May-03
Lab Project :	30247	**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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Report of Analysis
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qrtr. '03
Field ID: SS# 20
Lab ID: 3024706
Filename: 01353.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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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Report of Analysis
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qrtr. '03
Field ID: SS# 09
Lab ID: 3024707
Filename: 01354.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qrtr. '03
Field ID: SS# 19
Lab ID: 3024708
Filename: 01363.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qrtr. '03
Field ID: SS# 12
Lab ID: 3024709
Filename: 01364.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qrtr. '03
Field ID: SS# 18
Lab ID: 3024710
Filename: 01365.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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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Report of Analysis
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qrtr. '03
Field ID: SS# 11
Lab ID: 3024711
Filename: 01366.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qrtr. '03
Field ID: SS# 07
Lab ID: 3024717
Filename: 01403B.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qrtr. '03
Field ID: SS# 17
Lab ID: 3024718
Filename: 01404B.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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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Report of Analysis
NJDEP Certification # 13461
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qrtr. '03
Field ID: SS# 03
Lab ID: 3024719
Filename: 01405B.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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.

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 Qrtr. '03
Field ID: SS# 14
Lab ID: 3024720
Filename: 01406B.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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.

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 Qrtr. '03
Field ID: SS# 23
Lab ID: 3024721
Filename: 01407B.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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
EPA Method 608
PESTICIDES/PCB

Client:	U.S. Army, DPW, SELFM-PW-EV	Location:	Streams, 2nd Qrtr. '03
Project Name:	Streams, 2nd Qrtr. '03	MATRIX:	Aqueous
Field ID:	SS# 24	Ext. Batch:	052703
Lab ID:	3024722	Date Extracted:	5/27/2003
Filename:	01408B.D	Date Analyzed:	03-Jun-03
Lab Project :	30247	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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qrtr. '03
Field ID: SS# 25
Lab ID: 3024723
Filename: 01409B.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qrtr. '03
Field ID: SS# 26
Lab ID: 3024724
Filename: 01410B.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: Streams, 2nd Qrtr. '03
Field ID: SS# 27
Lab ID: 3024725
Filename: 01411B.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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.

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 Qrtr. '03
Field ID: SS# 28
Lab ID: 3024726
Filename: 01412B.D
Lab Project : 30247

Location: Streams, 2nd Qrtr. '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 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.

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
324723	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

6-16-03

Daniel K. Wright
Laboratory Director

	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					-
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

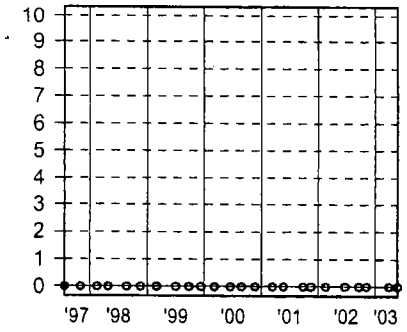
Fort Monmouth

GW Monitoring
Streams

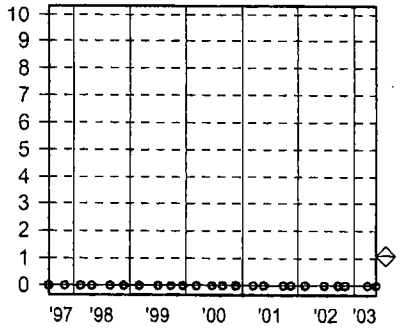
Source 1 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

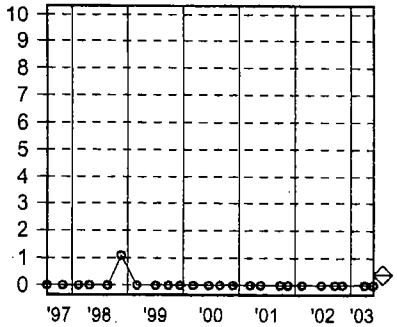
cis-1,2-Dichloroethene
(ug/l)



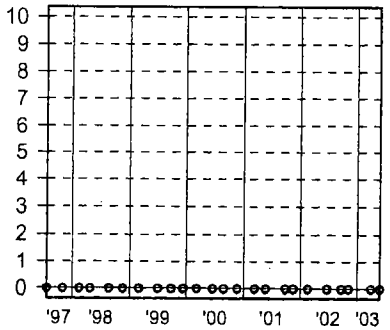
Trichloroethene
(ug/l)



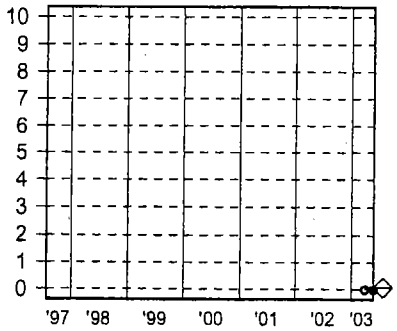
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 3

Sampling Dates:
07/17/1997 - 05/21/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 1 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	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

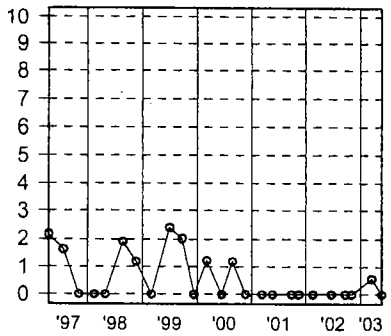
Fort Monmouth

GW Monitoring
Streams

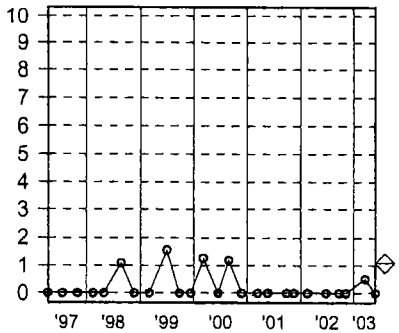
Source 2 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

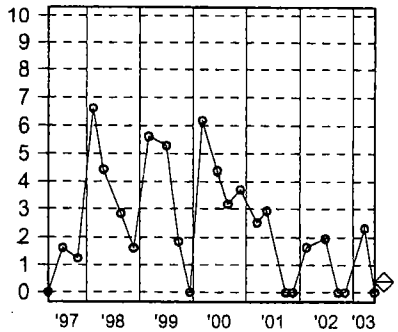
cis-1,2-Dichloroethene
(ug/l)



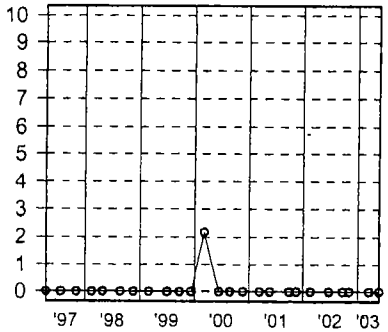
Trichloroethene
(ug/l)



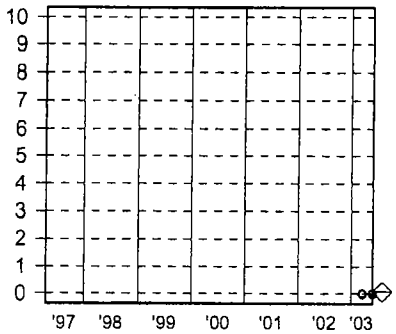
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 4

Sampling Dates:
04/08/1997 - 05/21/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 2 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	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:

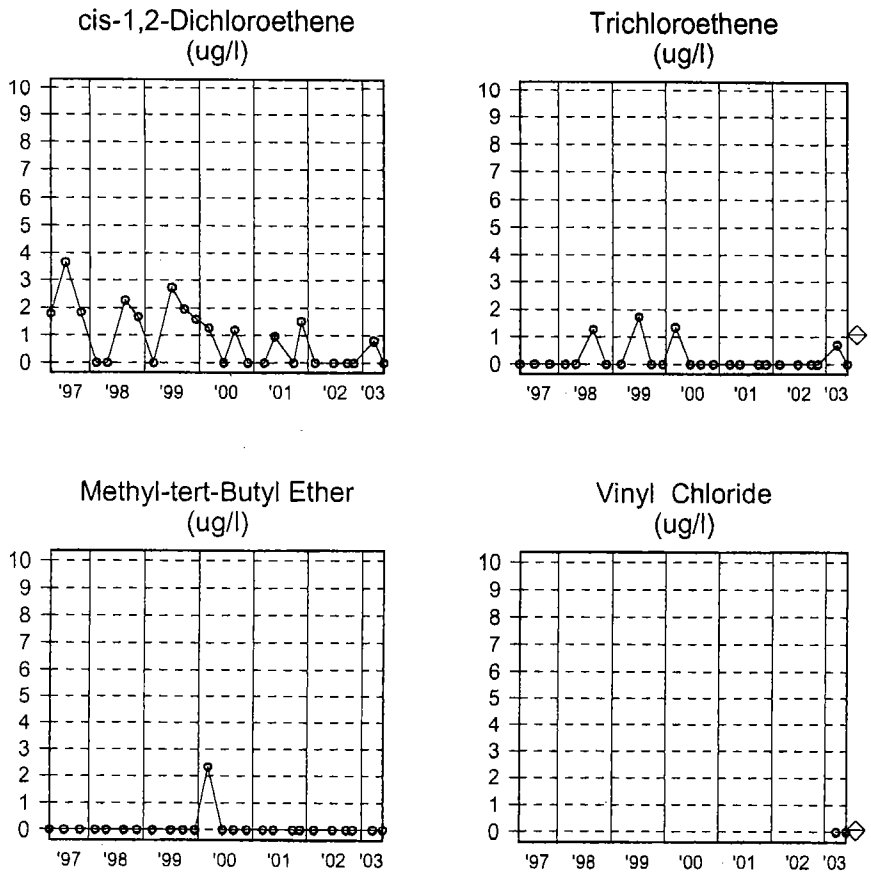
Page 1 of 1
Stream 5 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 3 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 5

Sampling Dates:
04/08/1997 - 05/21/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 3 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-13-2003 X:\MtechData\Streams\STREAMS.WSF

	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	ND	ND	ND	ND						
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:

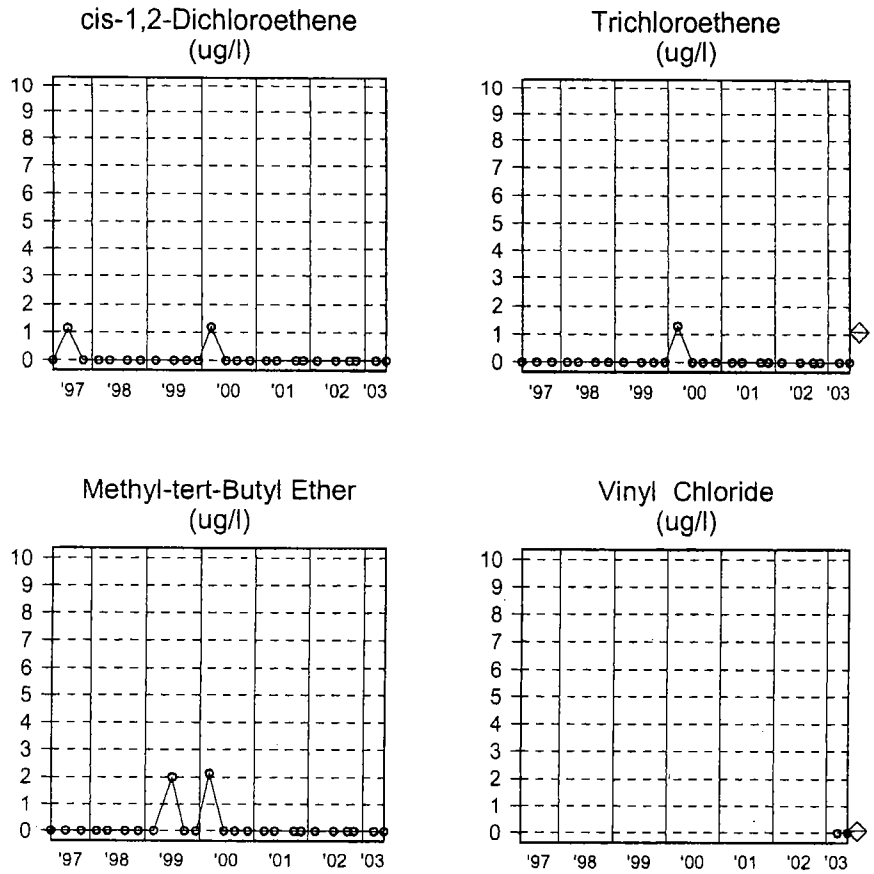
Page 1 of 1
Stream 7 is Salt-Water.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.
Acetone limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 4 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 7

Sampling Dates:
04/08/1997 - 05/21/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 4 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-13-2003 X:\MtechData\Streams\STREAMS.WSF

	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	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						-
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
05/21/2003	FMETL	1.48	ND	ND	ND	ND					V,P

SOURCE: 9

Sampling Dates:
04/08/1997 - 05/21/2003

NOTES:

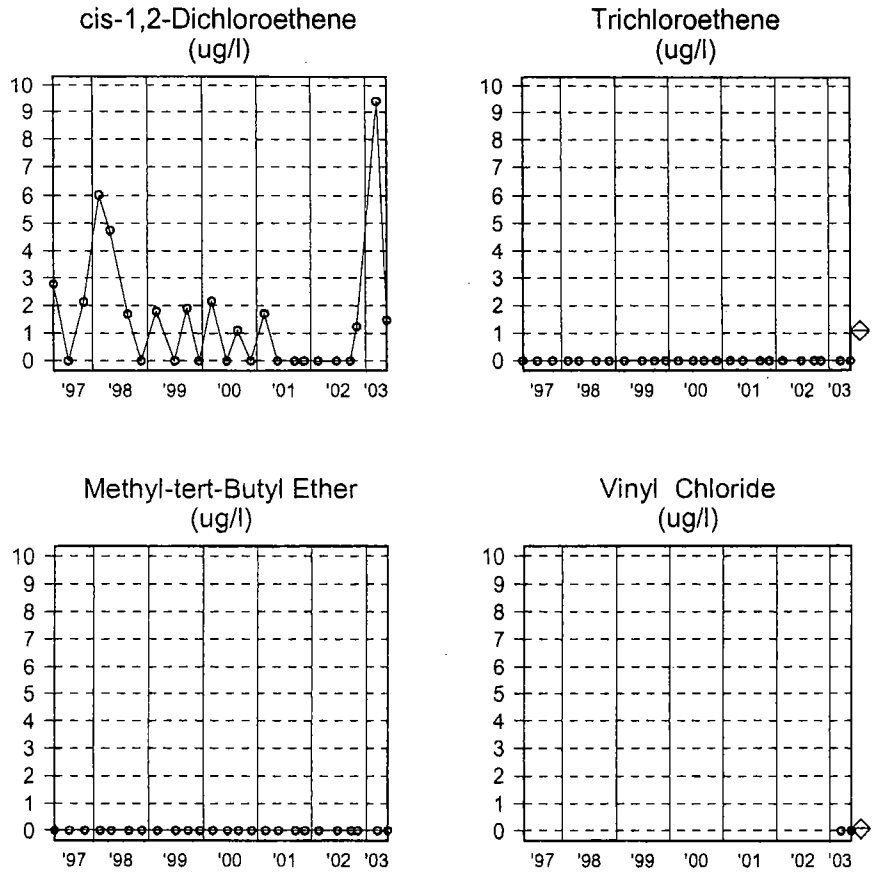
PAGE 1 OF 1
Stream 9 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 5 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 9

Sampling Dates:
04/08/1997 - 05/21/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 5 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-13-2003 X:\MtechData\Streams\STREAMS.WSF

	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	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

SOURCE: 11

Sampling Dates:
04/08/1997 - 05/21/2003

NOTES:

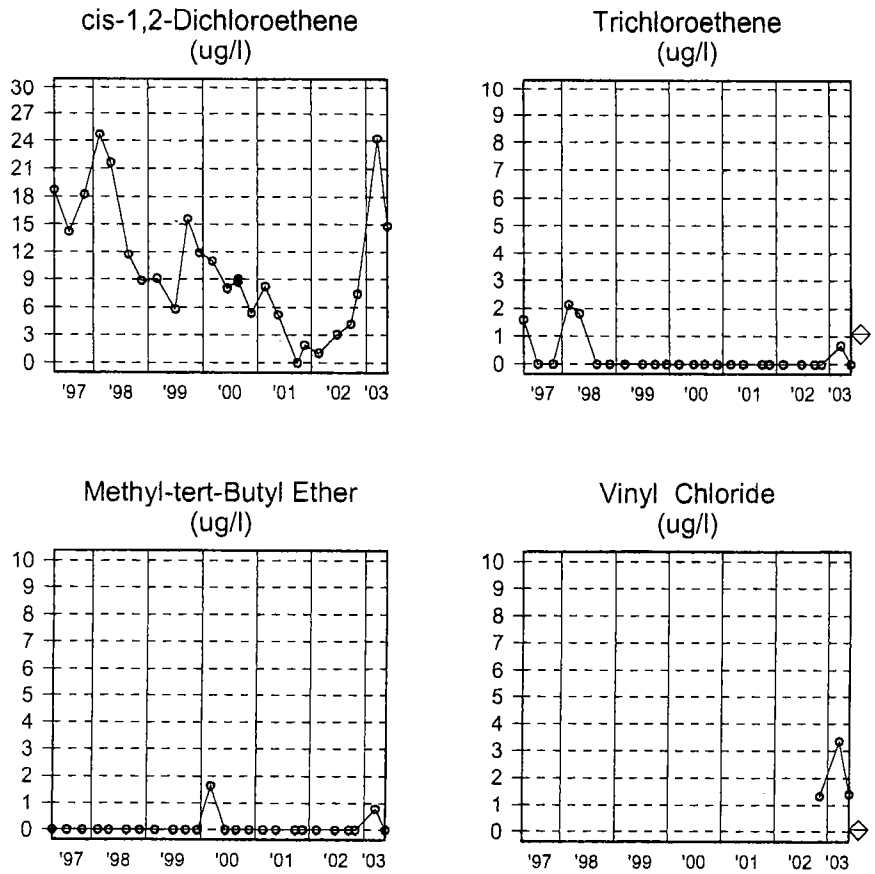
Page 1 of1
Stream 11 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 6 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 11

Sampling Dates:
04/08/1997 - 05/21/2003

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

	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						
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

SOURCE: 12

Sampling Dates:
04/08/1997 - 05/21/2003

NOTES:

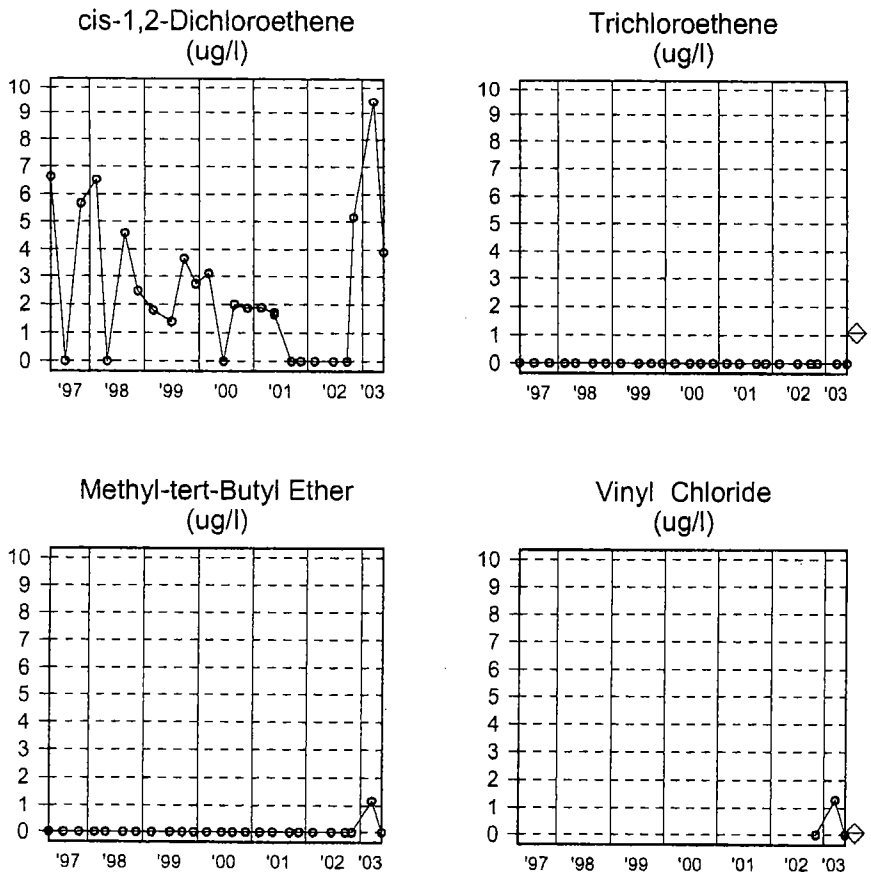
Page 1 of 1
Stream 12 is Fresh-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 7 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



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
SELFM-PW-EV

06-13-2003 X:\MtechData\Streams\STREAMS.WSF

	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	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	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:

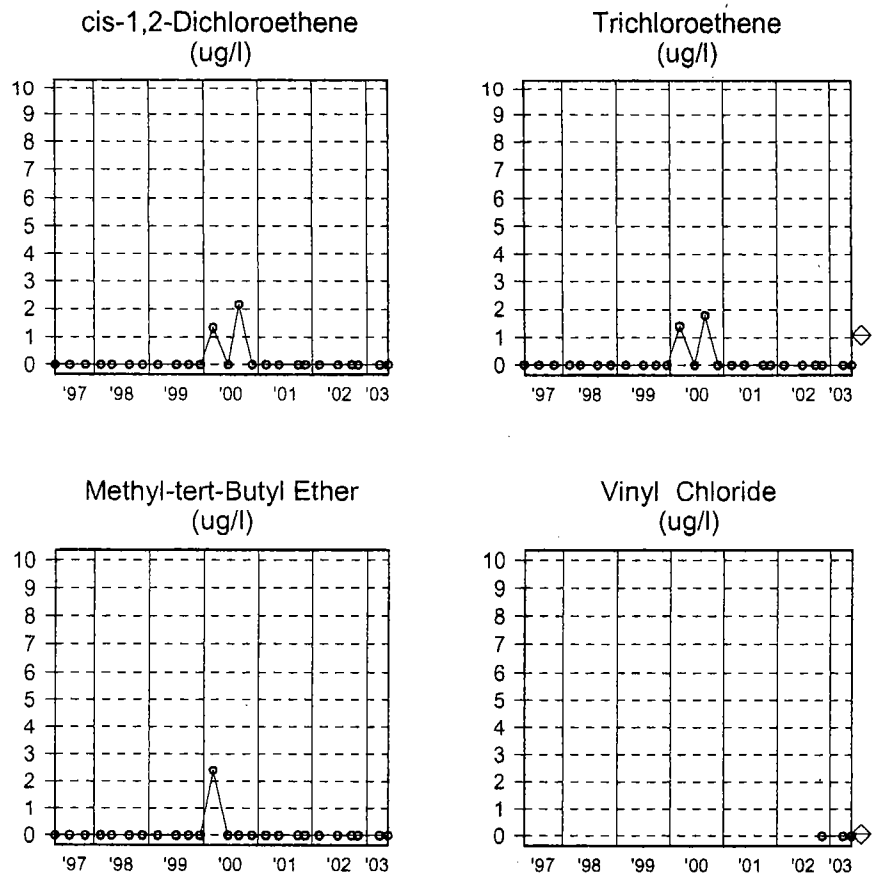
Page 1 of 1
Stream 13 is Fresh-Water.
MeCl limit is 2.49 ug/L.
cis-1,2-Di limit is NLE.
TCE limit is 1.09.
PCE limit is 0.388 ug/L.
Acetone limit is NLE.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 8 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 13

Sampling Dates:
04/08/1997 - 05/21/2003

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

06-13-2003 X:\MtechData\Streams\STREAMS.WSF

	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	ND	ND	ND	ND						
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

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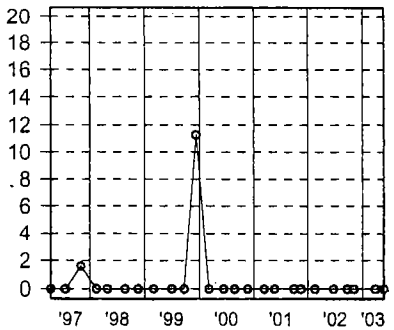
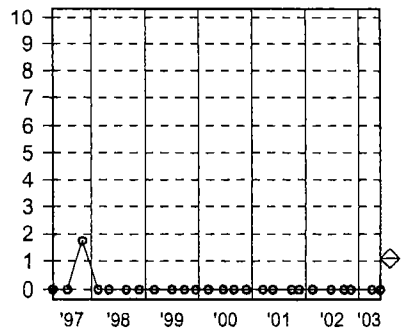
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

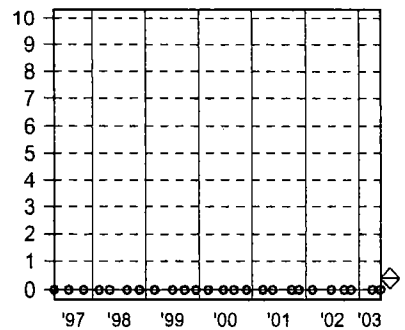
cis-1,2-Dichloroethene
(ug/l)



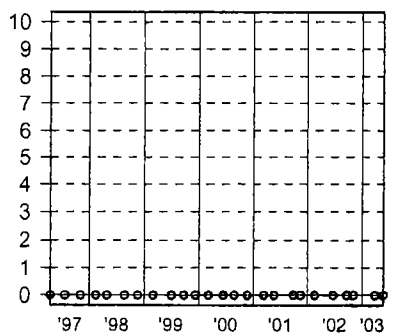
Trichloroethene
(ug/l)



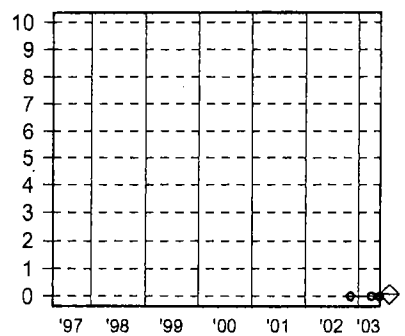
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 14

Sampling Dates:
04/08/1997 - 05/21/2003

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

	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	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

SOURCE: 15

Sampling Dates:
04/08/1997 - 05/21/2003

NOTES:

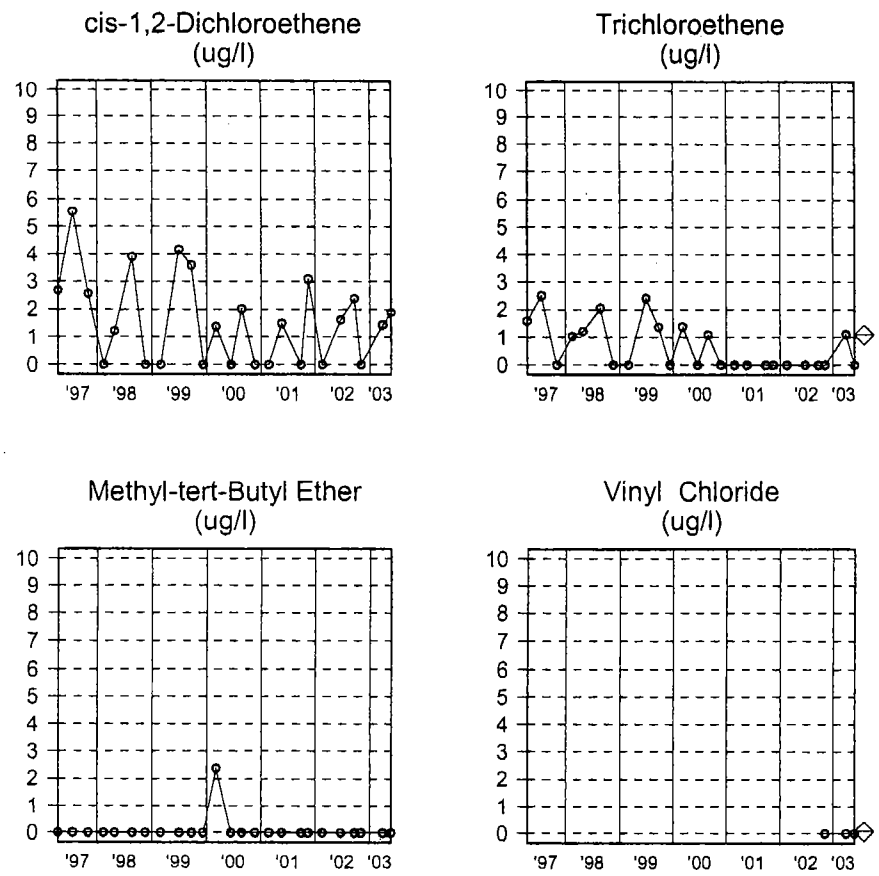
Page 1 of 1
Stream 15 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09 ug/L.
PCE limit is 0.388 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 10 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 15

Sampling Dates:
04/08/1997 - 05/21/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 10 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-13-2003 X:\MtechData\Streams\STREAMS.WSF

	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	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:

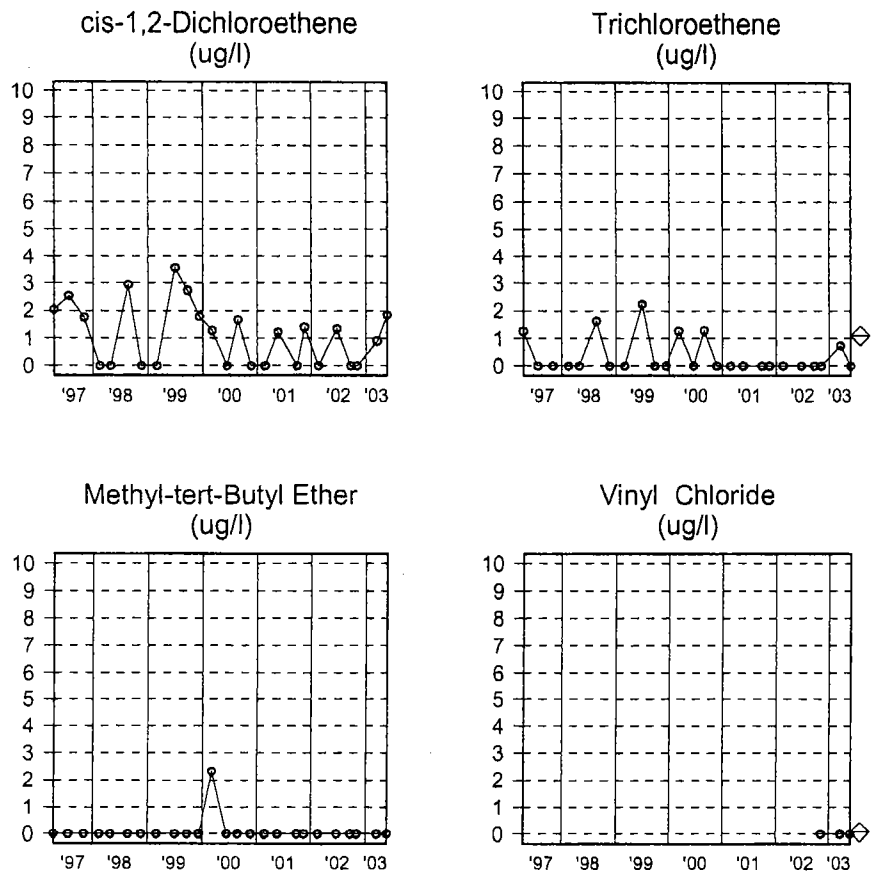
Page 1 of 1
Stream 16 is Salt-Water.
cis-1,2-di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 11 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 16

Sampling Dates:
04/08/1997 - 05/21/2003

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

06-13-2003 X:\MtechData\Streams\STREAMS.WSF

	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	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	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:

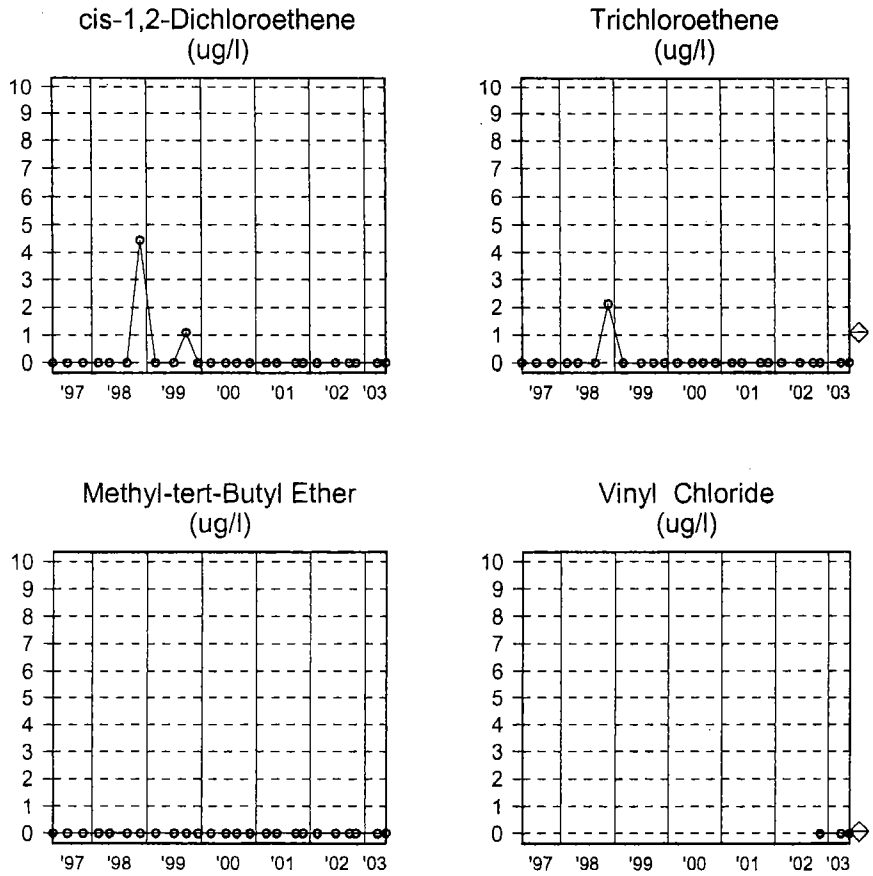
Page 1 of 1
stream 17 is Salt-Water.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
Acetone limit is NLE.
Chlorobenzene limit is 21000 ug/L.

Fort Monmouth

GW Monitoring
Streams

Source 12 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 17

Sampling Dates:
04/08/1997 - 05/21/2003

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

	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	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:

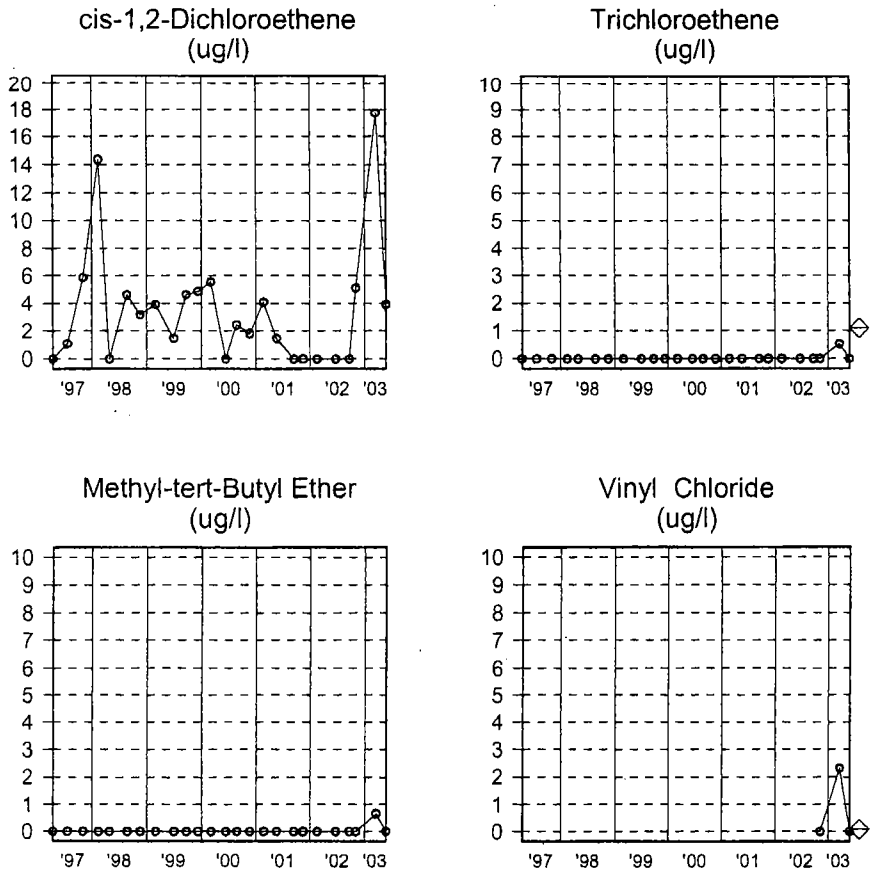
Page 1 of 1
Stream 18 is Fresh-Water.
cis-1,2-Di limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 13 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 18

Sampling Dates:
04/08/1997 - 05/21/2003

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

	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	6.44	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:

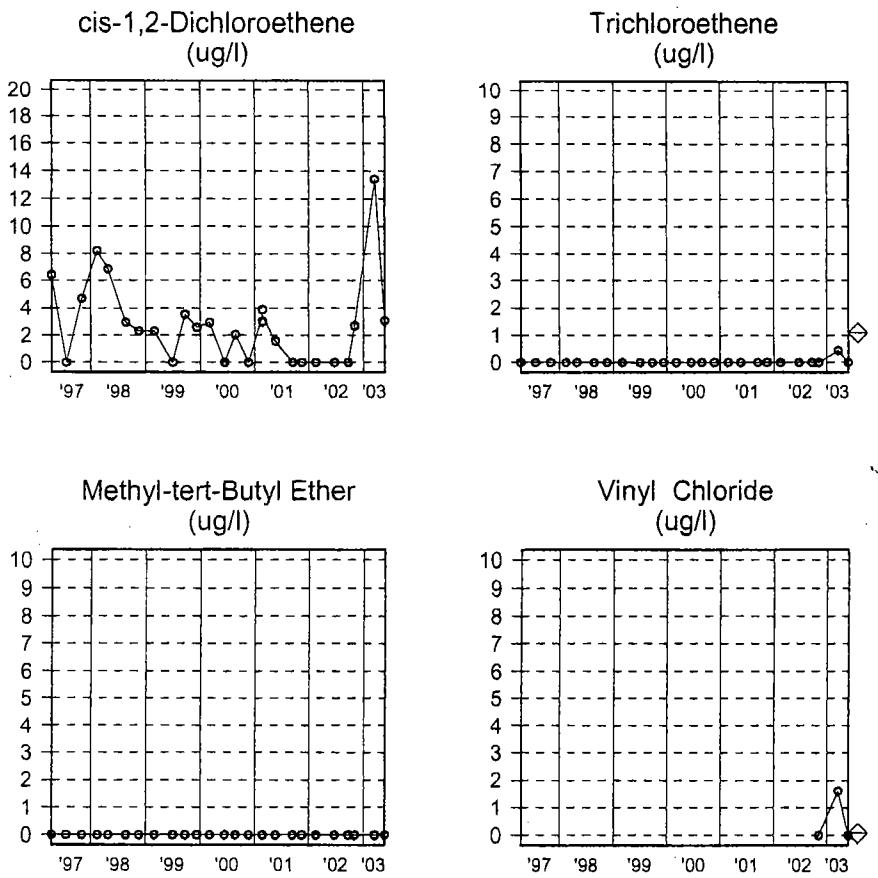
Page 1 of 1
Stream 19 is Salt-Water.
cis-1,2-Di limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 14 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 19

Sampling Dates:
04/08/1997 - 05/21/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 14 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	ND	ND	ND	ND						
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
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
Stream20 is Salt-Water.
Ethylben limit is 27900 ug/L.
MTBE limit is NLE.

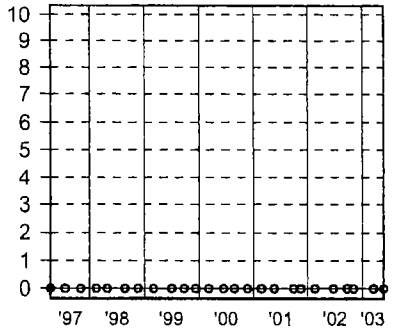
Fort Monmouth

GW Monitoring
Streams

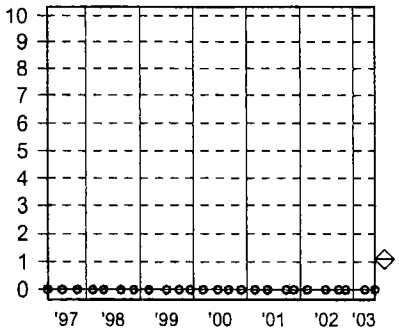
Source 15 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

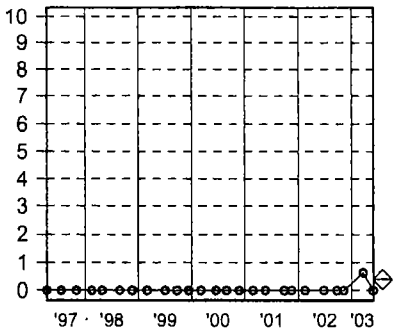
cis-1,2-Dichloroethene
(ug/l)



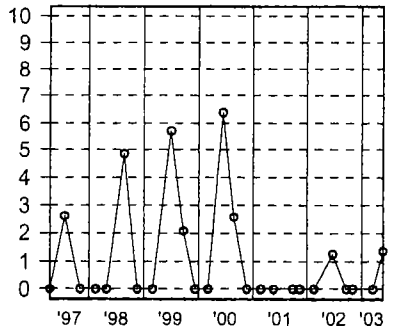
Trichloroethene
(ug/l)



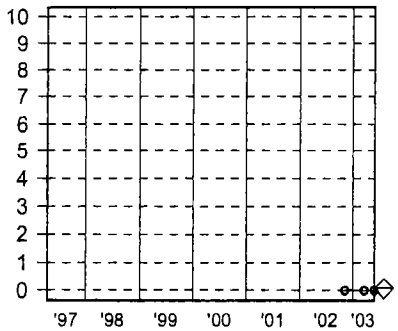
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 20

Sampling Dates:
04/08/1997 - 05/21/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 15 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	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

SOURCE: 21

Sampling Dates:
04/08/1997 - 05/21/2003

NOTES:

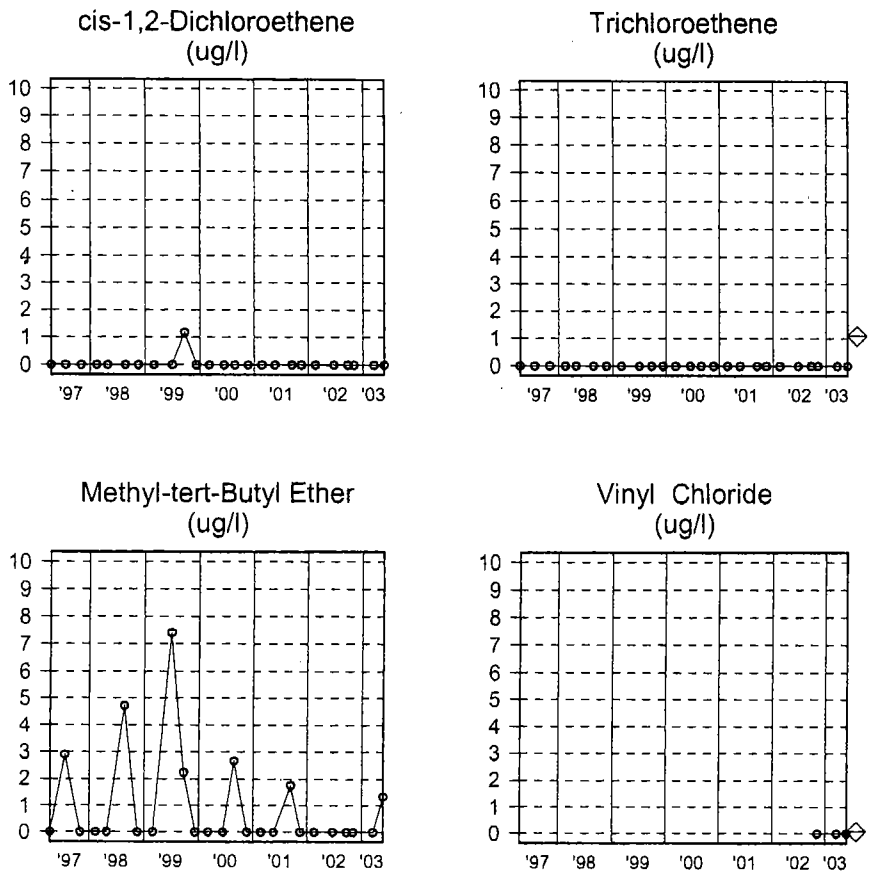
Page 1 of 1
Sream 21 is Salt-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 16 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-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
SELFM-PW-EV

	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	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	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

NOTES:

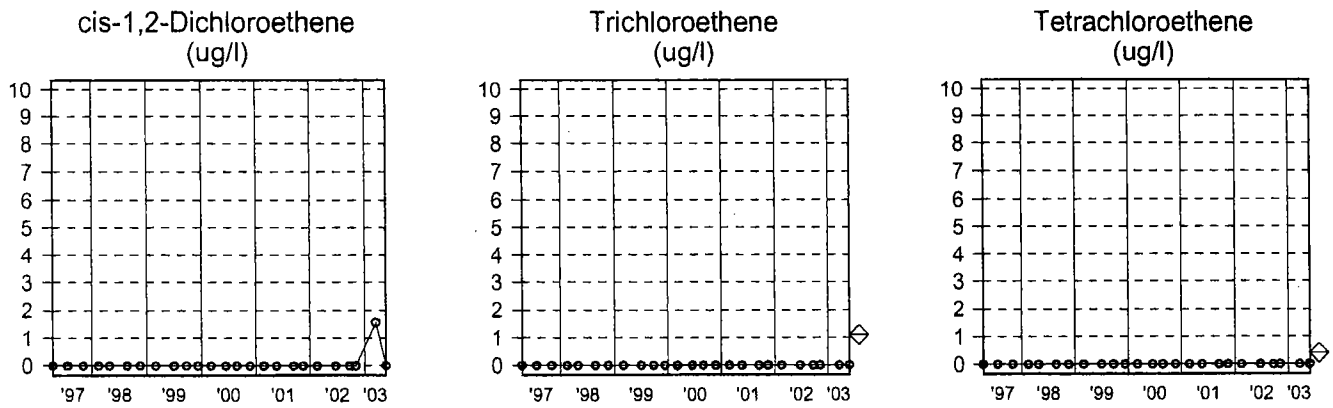
Page 1 of 1
Stream 22 is Salt-Water.
Acetone limit is NLE.
MTBE limit is NLE.

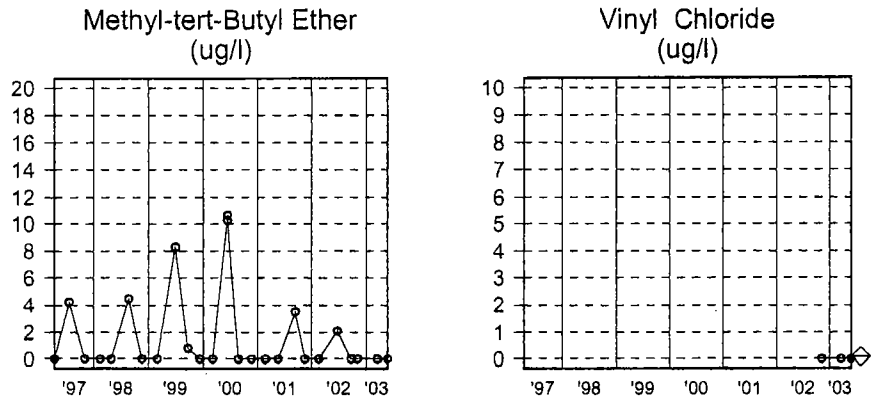
Fort Monmouth

GW Monitoring
Streams

Source 17 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 22

Sampling Dates:
04/08/1997 - 05/21/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 17 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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

SOURCE: 23

Sampling Dates:
06/12/2000 - 05/21/2003

NOTES:

Page 1 of 1
Stream 23 is Fresh-Water

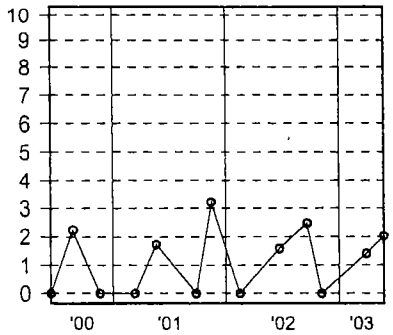
Fort Monmouth

GW Monitoring
Streams

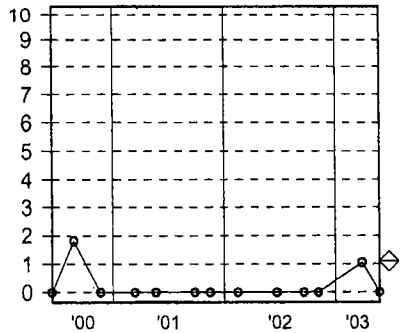
Source 18 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

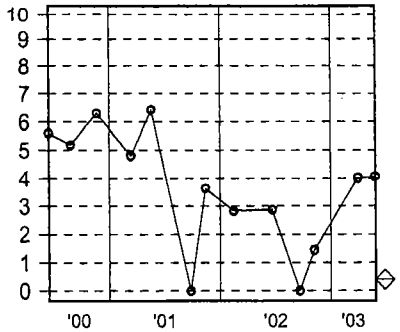
cis-1,2-Dichloroethene
(ug/l)



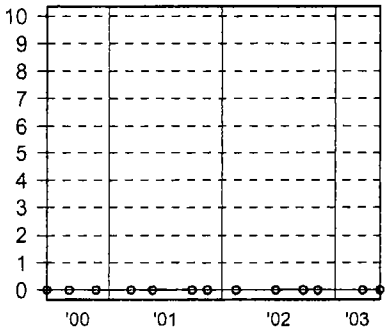
Trichloroethene
(ug/l)



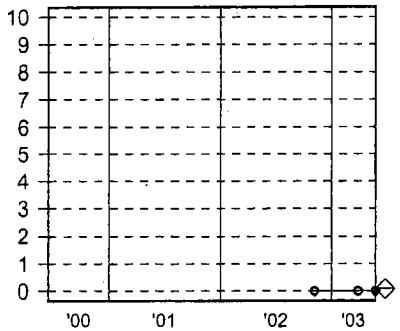
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 23

Sampling Dates:
06/12/2000 - 05/21/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 18 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-13-2003 X:\MtechData\Streams\STREAMS.WSF

	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	4.72	ND						
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
05/21/2003	FMETL	1.98	ND	3.94	ND	ND					V,P

SOURCE: 24

Sampling Dates:
06/12/2000 - 05/21/2003

NOTES:

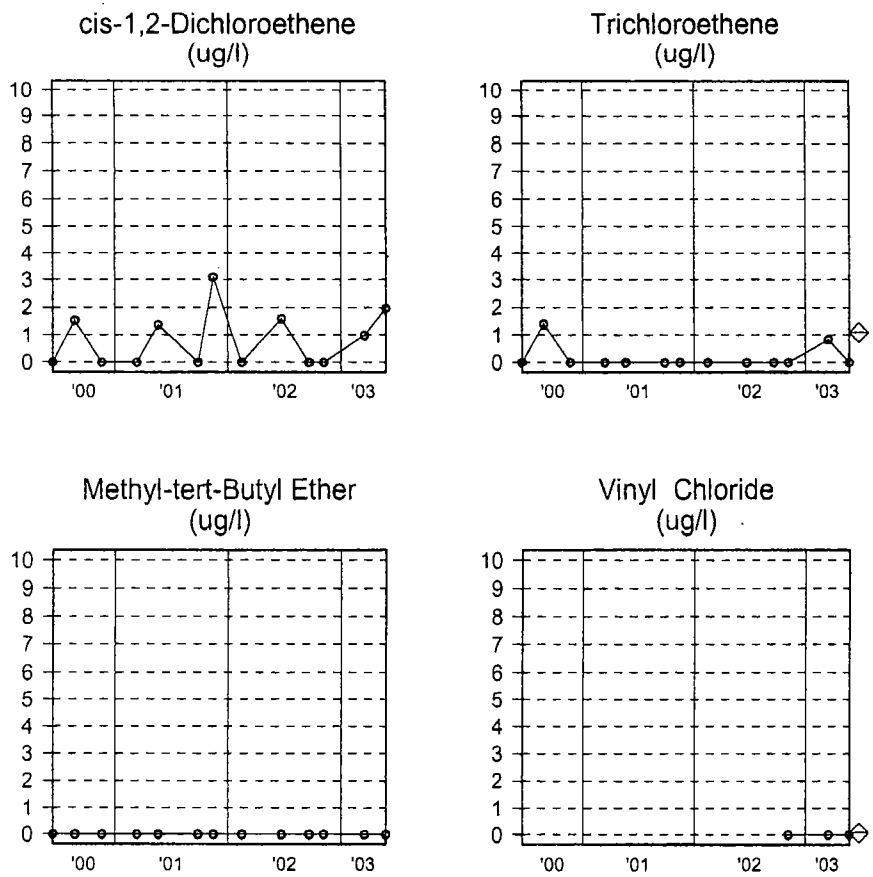
Page 1 of 2
Stream 24 is Fresh-Water

Fort Monmouth

GW Monitoring
Streams

Source 19 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 24

Sampling Dates:
06/12/2000 - 05/21/2003

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

	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	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

SOURCE: 25

Sampling Dates:
06/12/2000 - 05/21/2003

NOTES:

Page 1 of 1
Stream 25 is Salt-Water.

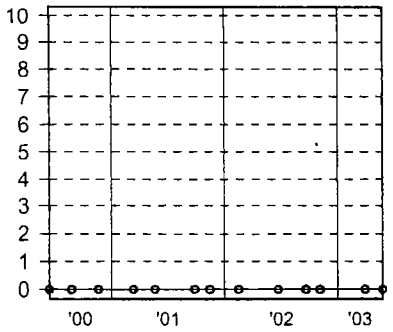
Fort Monmouth

GW Monitoring
Streams

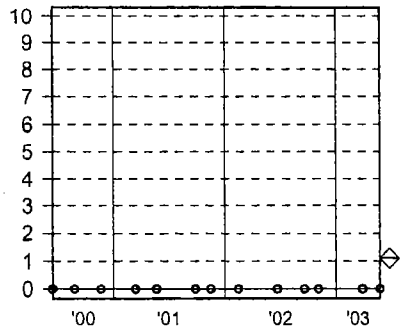
Source 20 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

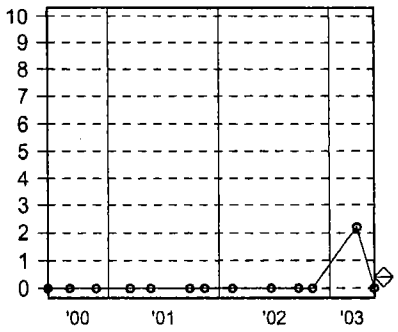
cis-1,2-Dichloroethene
(ug/l)



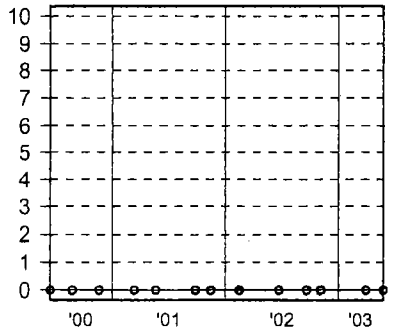
Trichloroethene
(ug/l)



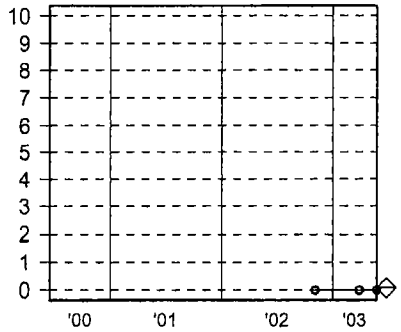
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 25

Sampling Dates:
06/12/2000 - 05/21/2003

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

	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	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: 26

Sampling Dates:
06/12/2000 - 05/21/2003

NOTES:

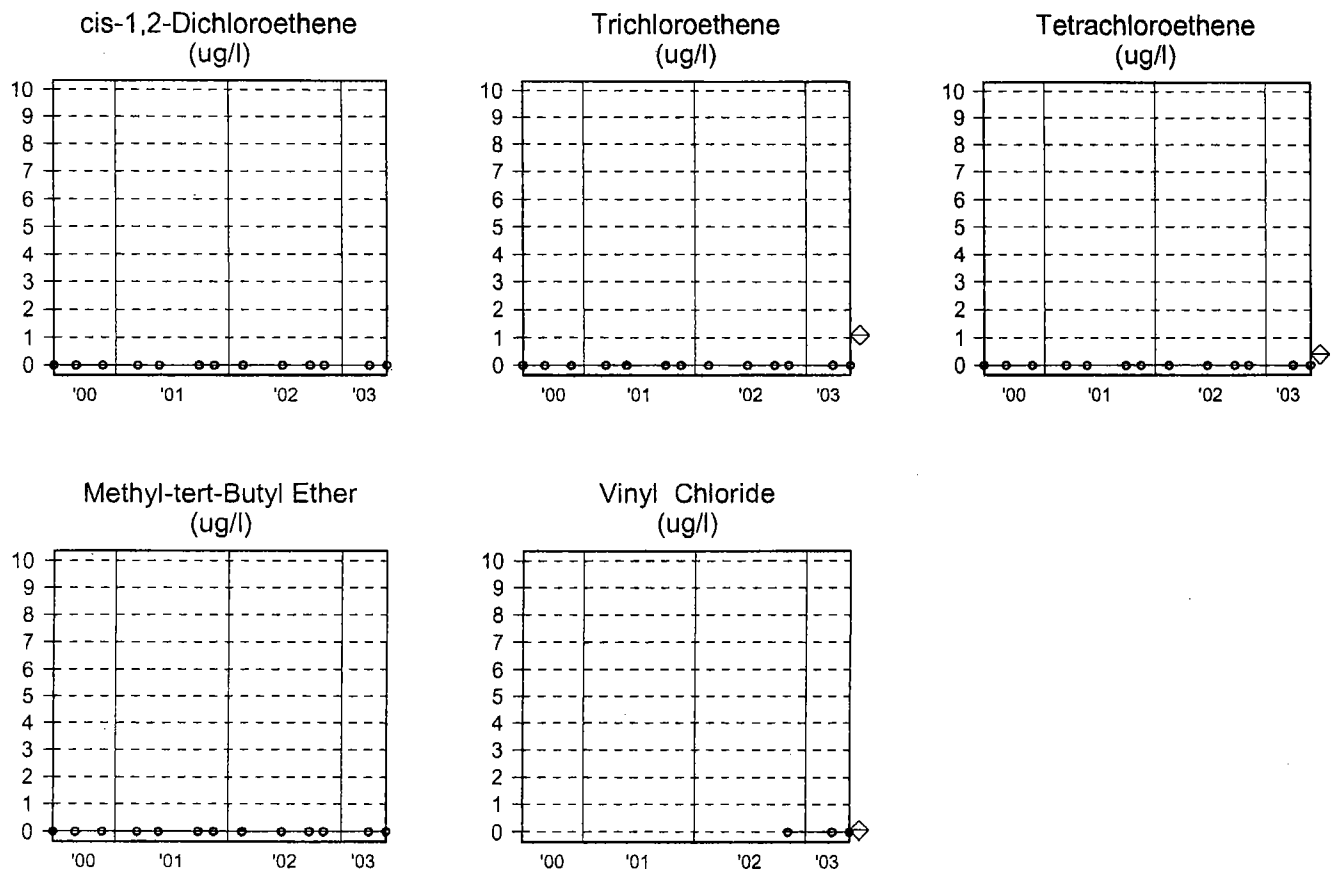
Page 1 of 1
Stream 26 is Fresh-Water

Fort Monmouth

GW Monitoring
Streams

Source 21 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 26

Sampling Dates:
06/12/2000 - 05/21/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 21 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	ND	ND						
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

SOURCE: 27

Sampling Dates:
06/12/2000 - 05/21/2003

NOTES:

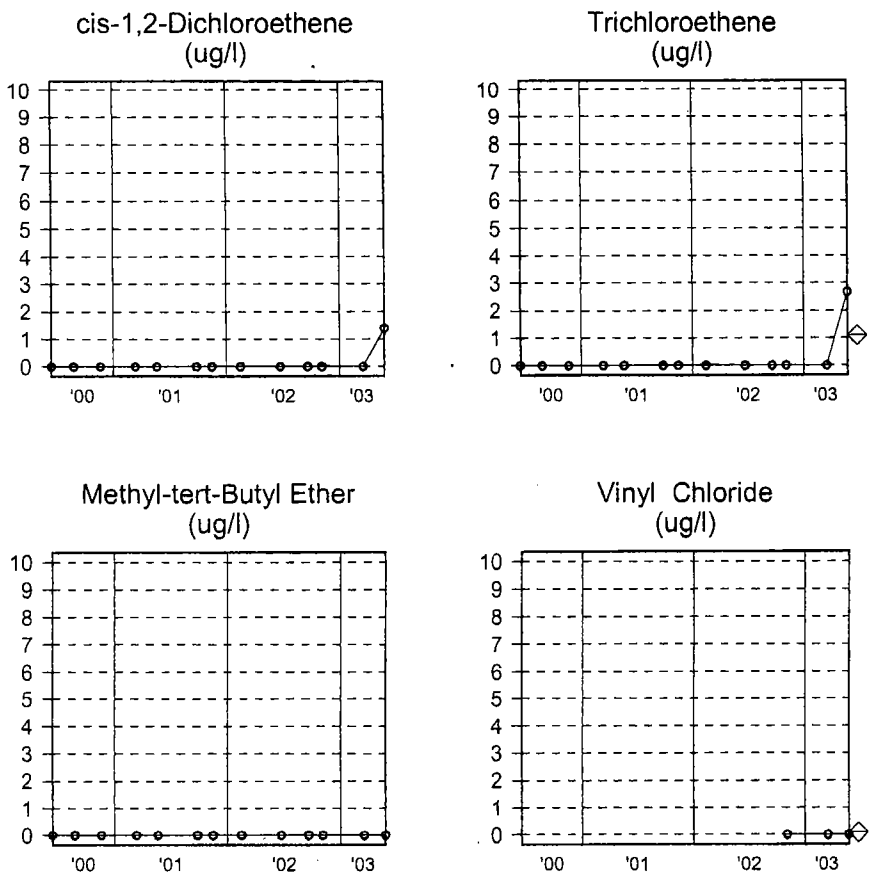
Page 1 of 1
Stream 27 is Salt Water.

Fort Monmouth

GW Monitoring
Streams

Source 22 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 27

Sampling Dates:
06/12/2000 - 05/21/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 22 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-13-2003 X:\MtechData\Streams\STREAMS.WSF

	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	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
05/21/2003	FMETL	1.50	ND	2.58	ND	ND					V,P

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

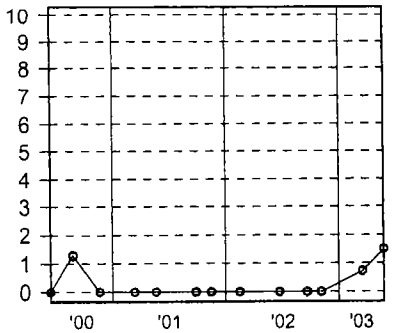
Fort Monmouth

GW Monitoring
Streams

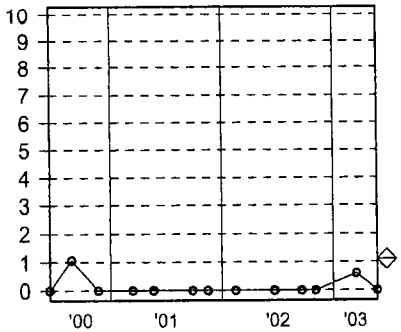
Source 23 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

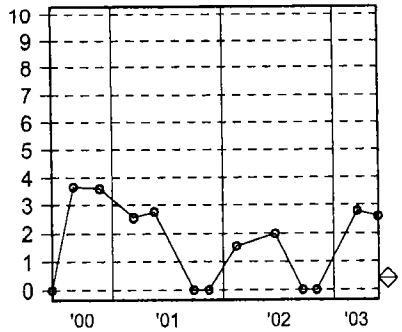
cis-1,2-Dichloroethene
(ug/l)



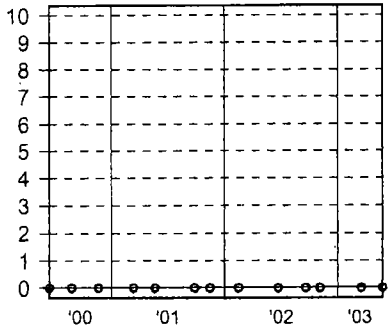
Trichloroethene
(ug/l)



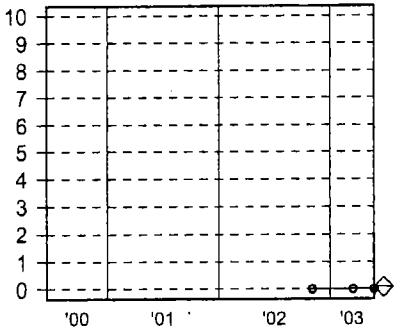
Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Vinyl Chloride
(ug/l)



SOURCE: 28

Sampling Dates:
06/12/2000 - 05/21/2003

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

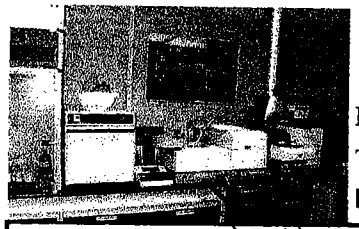
10-29-03
Daniel Wright/Date
Laboratory Director

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

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST	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
TARGET COMPOUND LIST	Federal Register 40 CFR Part 136 Appendix A
Base/Neutrals and Acid Extractables by GC/MS	625
Purgeable Organcis 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@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: 426223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: Streams
3rd Qtr '03

Samplers Name / Company: Corey McCormack, TVS

Comments: HCL/HNO_3/4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOTIS	T. Coli	PCB	NH_3/NO_3	PO_4/SO_4	Temp. °C	pH (su)	Dissolved Oxygen	Remarks / Preservation Method	
30592 01	Trip	9/17/03	0721	AQ	2	✓					—	—	—		
02	Field Blank		0730		5	✓		✓	✓	✓	—	—	—	Salinity	
03	Dupe		—		6	✓	✓	✓	✓	✓	—	—	—	%	D 20/20
04	Stream Site #22 *		0739		6	✓	✓	✓	✓	✓	9.71	7.76	8.53	1.015	18
05	#21		0750			✓	✓	✓	✓	✓	9.70	7.79	8.63	1.016	19
06	#20		0756			✓	✓	✓	✓	✓	9.71	7.80	8.64	1.016	19
07	#09		0805			✓	✓	✓	✓	✓	8.81	7.84	8.31	1.011	14
08	#19		0816			✓	✓	✓	✓	✓	8.76	7.86	8.59	1.001	2
09	#12		0825			✓	✓	✓	✓	✓	9.11	7.76	7.91	1.000	0
10	#18		0832			✓	✓	✓	✓	✓	9.11	7.78	7.87	1.000	0
11	#11		0841			✓	✓	✓	✓	✓	9.37	7.84	8.39	1.000	0
12	#27		0949			✓	✓	✓	✓	✓	9.45	7.91	8.11	1.008	10
13	#07		0957			✓	✓	✓	✓	✓	9.76	7.86	8.09	1.007	9
14	#28		~~0949~~ 1009			✓	✓	✓	✓	✓	9.63	7.89	8.10	1.007	9

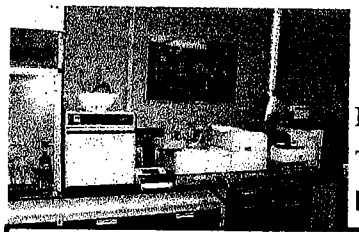
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	9/17/03 1127	[illegible]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Tide: H→L

print legibly

COC.XLS6/17/2003



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
Phone #: K26223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: Streams
3rd Qrtr 03

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters: VOC+15, T. Coli, PCB, NH_3/NO_3, PO_4/SO_4, °C Temp, pH su, Dissolved Oxygen

Comments: HCL/HNO_3/24°C

LIMS/Work Order #		Sample Location	Date	Time	Sample Type	# bottles	VOC+15	T. Coli	PCB	NH_3/NO_3	PO_4/SO_4	Temp °C	pH su	Dissolved Oxygen	Remarks / Preservation Method	
30592	15	Stream Site #04	9/17/03	1017	AQ	6	✓	✓	✓	✓	✓	8.90	7.80	7.98	1.004	8
	16	#05		0938			✓	✓	✓	✓	✓	9.07	7.65	7.93	1.003	7
	17	#16		0855			✓	✓	✓	✓	✓	8.86	7.53	7.91	1.003	7
	18	#24		0906			✓	✓	✓	✓	✓	8.87	7.55	7.86	1.002	6
	19	#23		0919			✓	✓	✓	✓	✓	8.89	7.57	7.89	1.000	1
	20	#15		0927			✓	✓	✓	✓	✓	8.88	7.55	7.76	1.000	0
	21	#25		1029			✓	✓	✓	✓	✓	8.83	7.79	7.83	1.005	8
	22	#17		1037			✓	✓	✓	✓	✓	8.79	7.81	7.89	1.005	8
	23	#26		1045			✓	✓	✓	✓	✓	9.17	7.76	7.88	1.004	7
	24	#03		1057			✓	✓	✓	✓	✓	8.71	7.75	7.86	1.003	7
	25	#14		1110			✓	✓	✓	✓	✓	8.76	7.76	7.88	1.000	0
	26	#13		1118			✓	✓	✓	✓	✓	8.74	7.53	8.00	1.000	0

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	9/17/03 1127	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
		[signature]			

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

Remarks: Tide: H->L

print legibly

COC.XLS6/17/2003

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
SaltWater Results

Data File	**VC010380.D**	Sample Name	**MB 23Sept03**
Operator	**Skelton**	Field ID	**MB 23Sept03**
Date Aquired	**23-Sep-03**	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

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9/24/2003 12:04 PM

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

Data File	**VC010380.D**	Sample Name	**MB 23Sept03**
Operator	**Skelton**	Field ID	**MB 23Sept03**
Date Aquired	**23-Sep-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: **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

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

Data File	**VC010386.D**	Sample Name	**3059201**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**23-Sep-03**	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

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

Data File	**VC010386.D**	Sample Name	**3059201**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**23-Sep-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	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

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

Data File	**VC010387.D**	Sample Name	**3059202**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**23-Sep-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	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
SaltWater Results

Data File	**VC010387.D**	Sample Name	**3059202**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**23-Sep-03**	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

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

Data File	**VC010388.D**	Sample Name	**3059203**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**23-Sep-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

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

Data File	**VC010388.D**	Sample Name	**3059203**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**23-Sep-03**	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

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

Data File	**VC010409.D**	Sample Name	**3059224**
Operator	**Skelton**	Field ID	**StreamSite#03**
Date Aquired	**24-Sep-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

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

Data File	**VC010400.D**	Sample Name	**3059215**
Operator	**Skelton**	Field ID	**StreamSite#04**
Date Aquired	**23-Sep-03**	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

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

Data File	**VC010401.D**	Sample Name	**3059216**
Operator	**Skelton**	Field ID	**StreamSite#05**
Date Aquired	**23-Sep-03**	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

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

Data File	**VC010398.D**	Sample Name	**3059213**
Operator	**Skelton**	Field ID	**StreamSite#07**
Date Aquired	**23-Sep-03**	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

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

Data File	**VC010392.D**	Sample Name	**3059207**
Operator	**Skelton**	Field ID	**StreamSite#09**
Date Aquired	**23-Sep-03**	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

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

Data File	**VC010396.D**	Sample Name	**3059211**
Operator	**Skelton**	Field ID	**StreamSite#11**
Date Aquired	**23-Sep-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	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

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

Data File	**VC010394.D**	Sample Name	**3059209**
Operator	**Skelton**	Field ID	**StreamSite#12**
Date Aquired	**23-Sep-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	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

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

Data File	**VC010411.D**	Sample Name	**3059226**
Operator	**Skelton**	Field ID	**StreamSite#13**
Date Aquired	**24-Sep-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#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

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

Data File	**VC010410.D**	Sample Name	**3059225**
Operator	**Skelton**	Field ID	**StreamSite#14**
Date Aquired	**24-Sep-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#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

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

Data File	VC010405.D	Sample Name	3059220
Operator	Skelton	Field ID	StreamSite#15
Date Aquired	24-Sep-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	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

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

Data File	**VC010402.D**	Sample Name	**3059217**
Operator	**Skelton**	Field ID	**StreamSite#16**
Date Aquired	**24-Sep-03**	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

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

Data File	**VC010407.D**	Sample Name	**3059222**
Operator	**Skelton**	Field ID	**StreamSite#17**
Date Aquired	**24-Sep-03**	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

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

Data File	**VC010395.D**	Sample Name	**3059210**
Operator	**Skelton**	Field ID	**StreamSite#18**
Date Aquired	**23-Sep-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	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

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

Data File	**VC010393.D**	Sample Name	**3059208**
Operator	**Skelton**	Field ID	**StreamSite#19**
Date Aquired	**23-Sep-03**	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

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

Data File	**VC010391.D**	Sample Name	**3059206**
Operator	**Skelton**	Field ID	**StreamSite#20**
Date Aquired	**23-Sep-03**	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

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

Data File	**VC010390.D**	Sample Name	**3059205**
Operator	**Skelton**	Field ID	**StreamSite#21**
Date Aquired	**23-Sep-03**	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

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

Data File	**VC010389.D**	Sample Name	**3059204**
Operator	**Skelton**	Field ID	**StreamSite#22**
Date Aquired	**23-Sep-03**	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
SaltWater Results

Data File	**VC010404.D**	Sample Name	**3059219**
Operator	**Skelton**	Field ID	**StreamSite#23**
Date Aquired	**24-Sep-03**	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

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

Data File	**VC010403.D**	Sample Name	**3059218**
Operator	**Skelton**	Field ID	**StreamSite#24**
Date Aquired	**24-Sep-03**	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	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	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

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

Data File	**VC010406.D**	Sample Name	**3059221**
Operator	**Skelton**	Field ID	**StreamSite#25**
Date Aquired	**24-Sep-03**	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

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

Data File	**VC010408.D**	Sample Name	**3059223**
Operator	**Skelton**	Field ID	**StreamSite#26**
Date Aquired	**24-Sep-03**	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

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

Data File	**VC010397.D**	Sample Name	**3059212**
Operator	**Skelton**	Field ID	**StreamSite#27**
Date Aquired	**23-Sep-03**	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	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	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

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

Data File	**VC010399.D**	Sample Name	**3059214**
Operator	**Skelton**	Field ID	**StreamSite#28**
Date Aquired	**23-Sep-03**	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

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
ND = Not detected at or above MDL

Initial Vol..(ml)) 1000
Final Vol.(ml) 10

COMMENTS:

TABULATED ANALYTICAL REPORT
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

mb 091903

MATRIX: Aqueous
Date Extracted: 9/19/2003
Ext. Batch: 091903
Filename: PCB12868.D
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 MDL

Initial 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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/18/2003**
Client ID:	**FIELDBLANK**	**Ext. Batch:**	**091803**
Lab ID:	**3059202**	**Date Analyzed:**	**9/18/2003**
Filename:	**PCB12519.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/18/2003**
Client ID:	**Dupe**	**Ext. Batch:**	**091803**
Lab ID:	**3059203**	**Date Analyzed:**	**9/18/2003**
Filename:	**PCB12520.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/19/2003**
Client ID:	**Stream Site # 03**	**Ext. Batch:**	**091903**
Lab ID:	**3059224**	**Date Analyzed:**	**10/24/2003**
Filename:	**PCB12873.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/18/2003**
Client ID:	**Stream Site # 04**	**Ext. Batch:**	**091803**
Lab ID:	**3059215**	**Date Analyzed:**	**9/18/2003**
Filename:	**PCB12532.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/18/2003**
Client ID:	**Stream Site # 05**	**Ext. Batch:**	**091803**
Lab ID:	**3059216**	**Date Analyzed:**	**9/18/2003**
Filename:	**PCB12533.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/18/2003**
Client ID:	**Stream Site # 07**	**Ext. Batch:**	**091803**
Lab ID:	**3059213**	**Date Analyzed:**	**9/18/2003**
Filename:	**PCB12530.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/18/2003**
Client ID:	**Stream Site # 09**	**Ext. Batch:**	**091803**
Lab ID:	**3059207**	**Date Analyzed:**	**9/18/2003**
Filename:	**PCB12524.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/18/2003**
Client ID:	**Stream Site # 11**	**Ext. Batch:**	**091803**
Lab ID:	**3059211**	**Date Analyzed:**	**9/18/2003**
Filename:	**PCB12528.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/18/2003**
Client ID:	**Stream Site # 12**	**Ext. Batch:**	**091803**
Lab ID:	**3059209**	**Date Analyzed:**	**9/18/2003**
Filename:	**PCB12526.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/19/2003**
Client ID:	**Stream Site # 13**	**Ext. Batch:**	**091903**
Lab ID:	**3059226**	**Date Analyzed:**	**10/24/2003**
Filename:	**PCB12875.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/19/2003**
Client ID:	**Stream Site # 14**	**Ext. Batch:**	**091903**
Lab ID:	**3059225**	**Date Analyzed:**	**10/24/2003**
Filename:	**PCB12874.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/18/2003**
Client ID:	**Stream Site # 15**	**Ext. Batch:**	**091803**
Lab ID:	**3059220**	**Date Analyzed:**	**9/19/2003**
Filename:	**PCB12537.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/18/2003**
Client ID:	**Stream Site # 16**	**Ext. Batch:**	**091803**
Lab ID:	**3059217**	**Date Analyzed:**	**9/18/2003**
Filename:	**PCB12534.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/19/2003**
Client ID:	**Stream Site # 17**	**Ext. Batch:**	**091903**
Lab ID:	**3059222**	**Date Analyzed:**	**10/24/2003**
Filename:	**PCB12871.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/18/2003**
Client ID:	**Stream Site # 18**	**Ext. Batch:**	**091803**
Lab ID:	**3059210**	**Date Analyzed:**	**9/18/2003**
Filename:	**PCB12527.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/18/2003**
Client ID:	**Stream Site # 19**	**Ext. Batch:**	**091803**
Lab ID:	**3059208**	**Date Analyzed:**	**9/18/2003**
Filename:	**PCB12525.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/18/2003**
Client ID:	**Stream Site # 20**	**Ext. Batch:**	**091803**
Lab ID:	**3059206**	**Date Analyzed:**	**9/18/2003**
Filename:	**PCB12523.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/18/2003**
Client ID:	**Stream Site # 21**	**Ext. Batch:**	**091803**
Lab ID:	**3059205**	**Date Analyzed:**	**9/18/2003**
Filename:	**PCB12522.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/18/2003**
Client ID:	**Stream Site # 22**	**Ext. Batch:**	**091803**
Lab ID:	**3059204**	**Date Analyzed:**	**9/18/2003**
Filename:	**PCB12521.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/18/2003**
Client ID:	**Stream Site # 23**	**Ext. Batch:**	**091803**
Lab ID:	**3059219**	**Date Analyzed:**	**9/19/2003**
Filename:	**PCB12536.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/18/2003**
Client ID:	**Stream Site # 24**	**Ext. Batch:**	**091803**
Lab ID:	**3059218**	**Date Analyzed:**	**9/18/2003**
Filename:	**PCB12535.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/19/2003**
Client ID:	**Stream Site # 25**	**Ext. Batch:**	**091903**
Lab ID:	**3059221**	**Date Analyzed:**	**10/24/2003**
Filename:	**PCB12870.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/19/2003**
Client ID:	**Stream Site # 26**	**Ext. Batch:**	**091903**
Lab ID:	**3059223**	**Date Analyzed:**	**10/24/2003**
Filename:	**PCB12872.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/18/2003**
Client ID:	**Stream Site # 27**	**Ext. Batch:**	**091803**
Lab ID:	**3059212**	**Date Analyzed:**	**9/18/2003**
Filename:	**PCB12529.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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.**	**MATRIX:**	**Aqueous**
Location:	**Streams 3rd Qrtr.**	**Date Extracted:**	**9/18/2003**
Client ID:	**Stream Site # 28**	**Ext. Batch:**	**091803**
Lab ID:	**3059214**	**Date Analyzed:**	**9/18/2003**
Filename:	**PCB12531.D**	**DILUTION:**	**1**
Lab Project No:	**30592**	**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

10-29-03

Daniel K. Wright
Laboratory Director

LTM

	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					-
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
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.

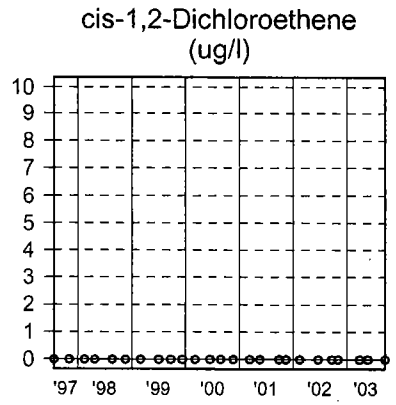
Page 1 of 1

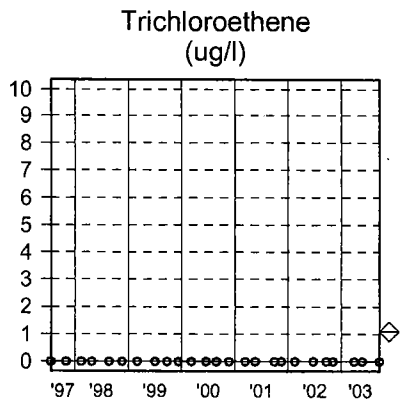
Fort Monmouth

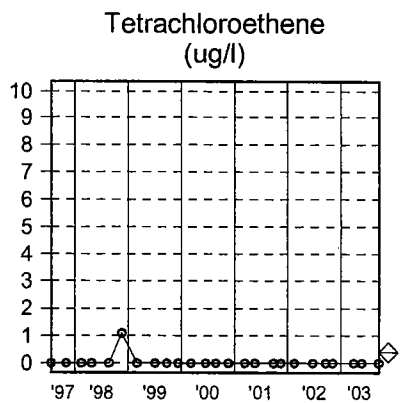
GW Monitoring
Streams

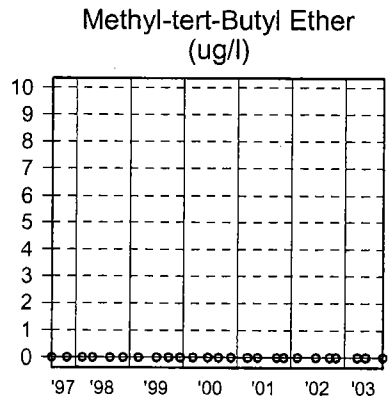
Source 1 of 23

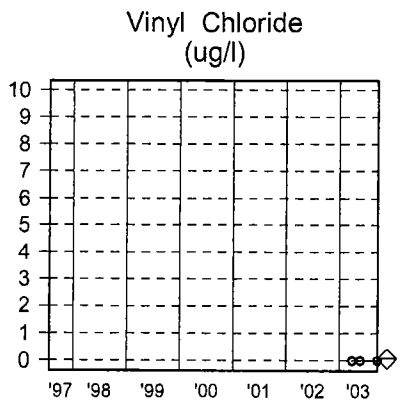
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











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

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	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
09/17/2003	FMETL	1.14	ND	1.13	ND	ND					V,P

SOURCE: 4

Sampling Dates:
04/08/1997 - 09/17/2003

NOTES:

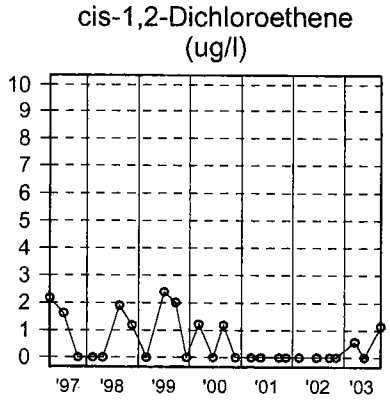
PAGE 1 OF 1
Stream 4 is Salt-Water.
MTBE limit is NLE
cis-1,2-Di limit is NLE
TCE limit is 81
PCE limit is 4.29

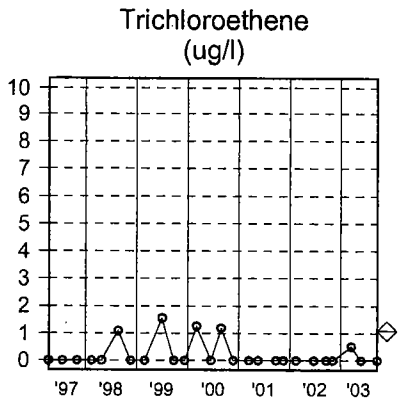
Fort Monmouth

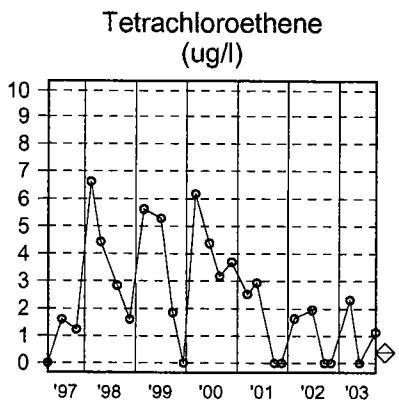
GW Monitoring
Streams

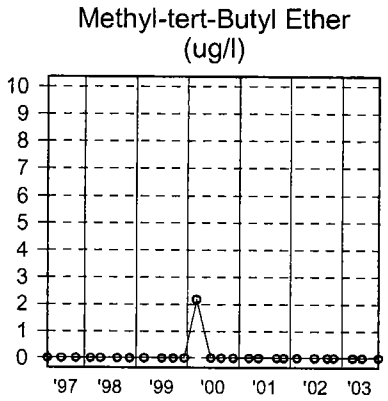
Source 2 of 23

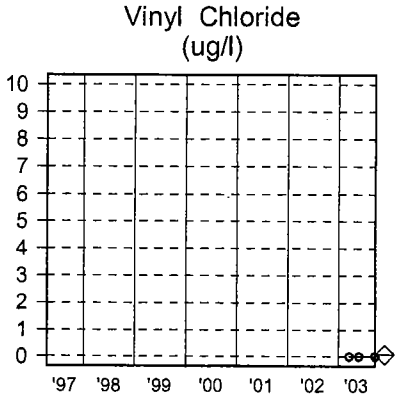
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 4

Sampling Dates:
04/08/1997 - 09/17/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 2 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-29-2003 X:\MtechData\Streams\STREAMS.WSF

	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	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
09/17/2003	FMETL	1.36	ND	1.23	ND	ND					V,P

SOURCE: 5

Sampling Dates:
04/08/1997 - 09/17/2003

NOTES:

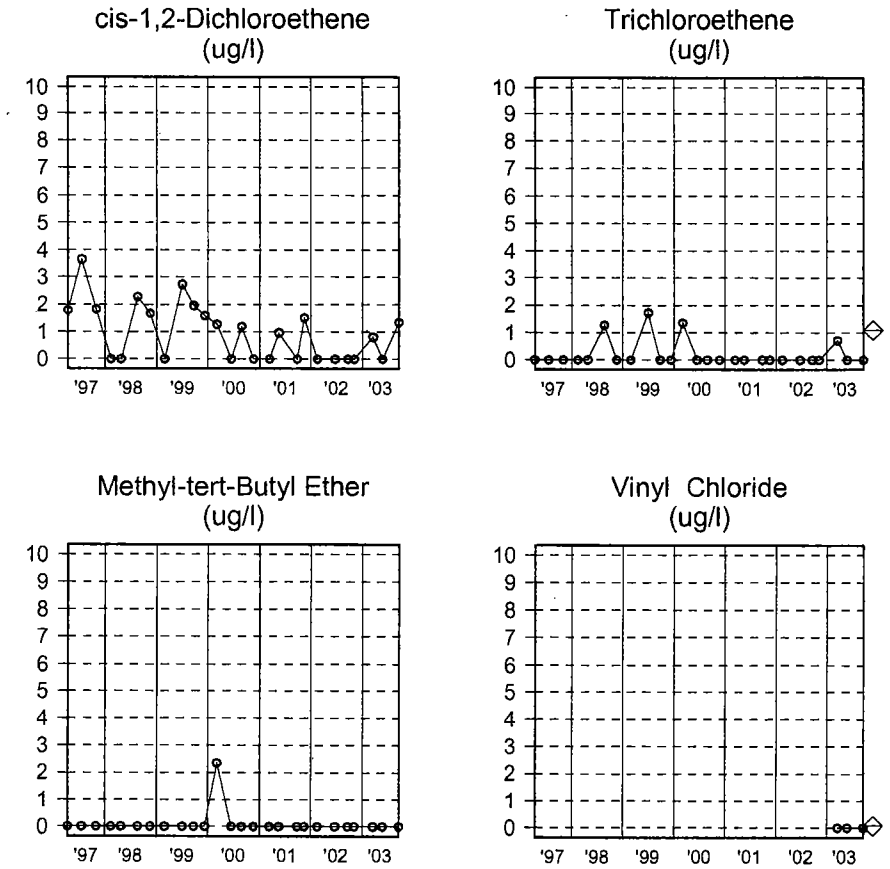
Page 1 of 1
Stream 5 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 3 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 5

Sampling Dates:
04/08/1997 - 09/17/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 3 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	ND	ND	ND	ND						
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
09/17/2003	FMETL	1.17	ND	1.08	ND	ND					V,P

SOURCE: 7

Sampling Dates:
04/08/1997 - 09/17/2003

NOTES:

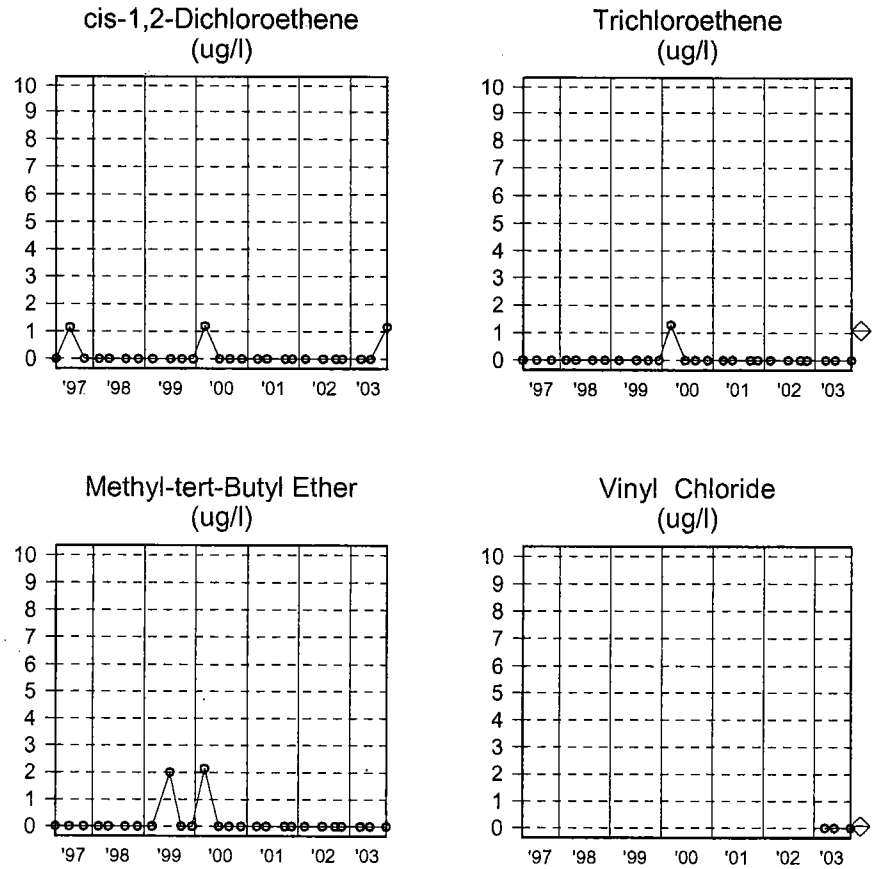
Page 1 of 1
Stream 7 is Salt-Water.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.
Acetone limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 4 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 7

Sampling Dates:
04/08/1997 - 09/17/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 4 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	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						-
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
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:

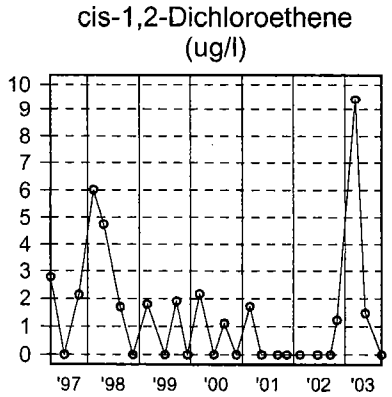
PAGE 1 OF 1
Stream 9 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

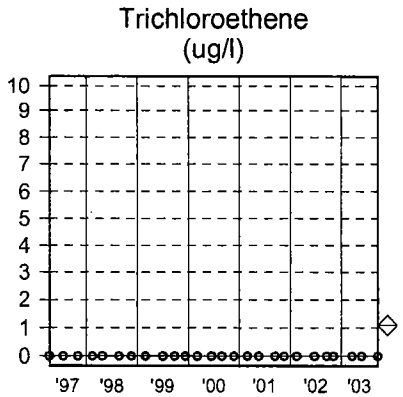
Fort Monmouth

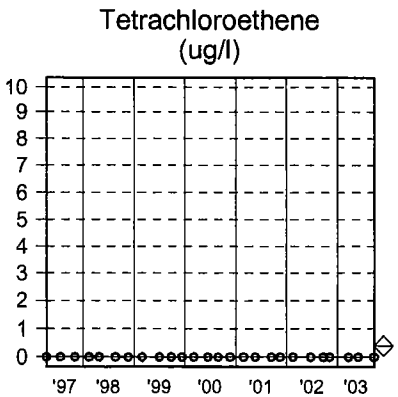
GW Monitoring
Streams

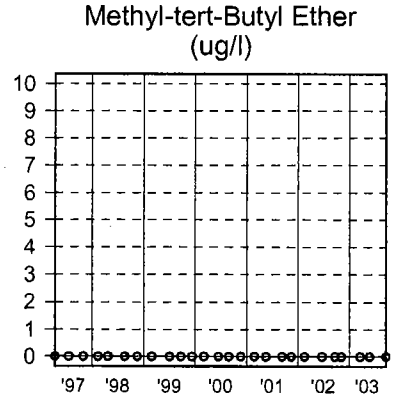
Source 5 of 23

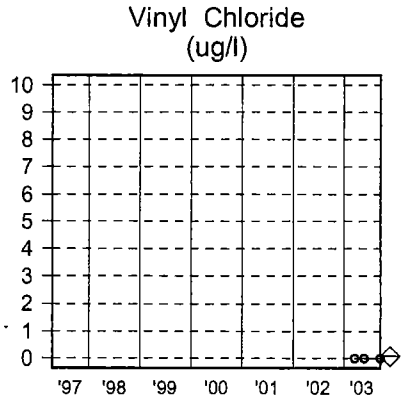
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 9

Sampling Dates:
04/08/1997 - 09/17/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 5 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-29-2003 X:\MtechData\Streams\STREAMS.WSF

	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	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
09/17/2003	FMETL	7.79	ND	ND	ND	1.74					V,P

SOURCE: 11

Sampling Dates:
04/08/1997 - 09/17/2003

NOTES:

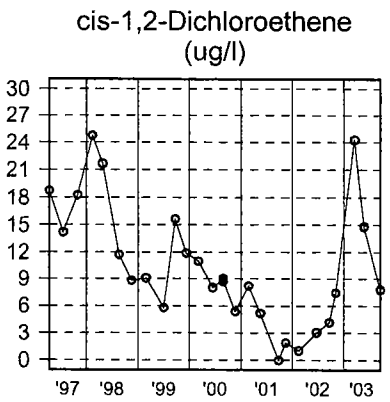
Page 1 of1
Stream 11 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09 ug/L.
MTBE limit is NLE.

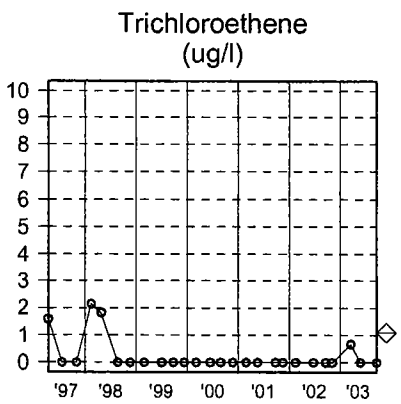
Fort Monmouth

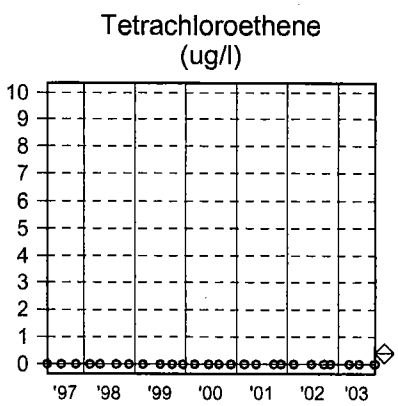
GW Monitoring
Streams

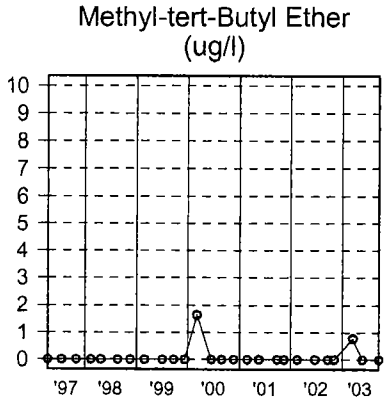
Source 6 of 23

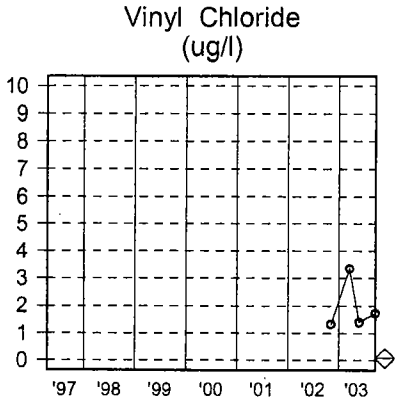
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 11

Sampling Dates:
04/08/1997 - 09/17/2003

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

10-29-2003 X:\MtechData\Streams\STREAMS.WSF

	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						
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

SOURCE: 12

Sampling Dates:
04/08/1997 - 09/17/2003

NOTES:

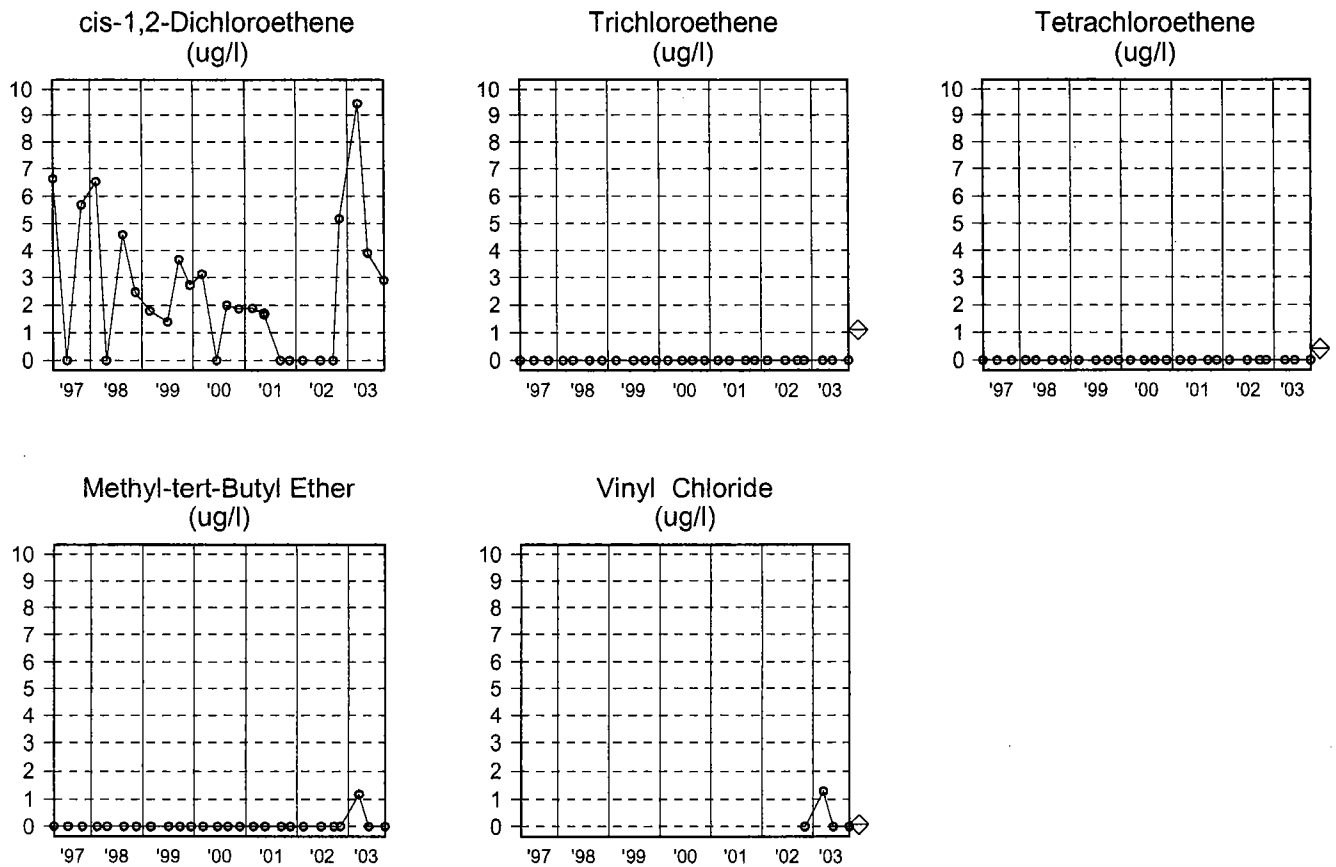
Page 1 of 1
Stream 12 is Fresh-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 7 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 12

Sampling Dates:
04/08/1997 - 09/17/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 7 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	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	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

SOURCE: 13

Sampling Dates:
04/08/1997 - 09/17/2003

NOTES:

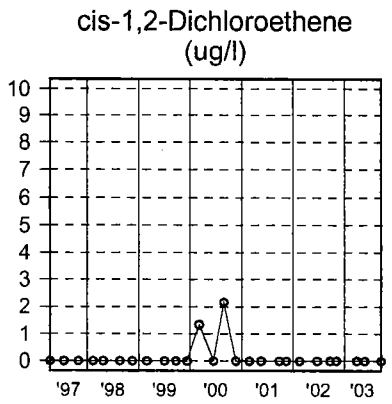
Page 1 of 1
Stream 13 is Fresh-Water.
MeCl limit is 2.49 ug/L.
cis-1,2-Di limit is NLE.
TCE limit is 1.09.
PCE limit is 0.388 ug/L.
Acetone limit is NLE.
MTBE limit is NLE.

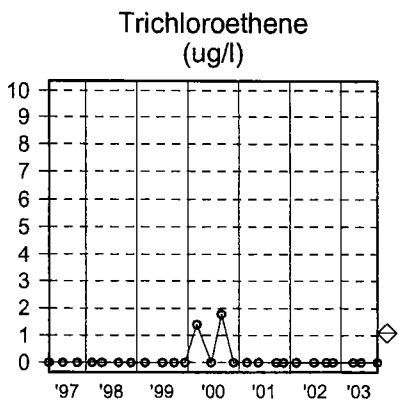
Fort Monmouth

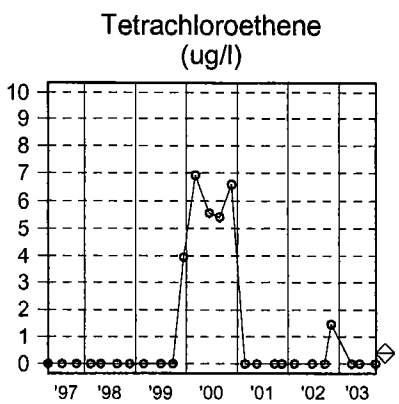
GW Monitoring
Streams

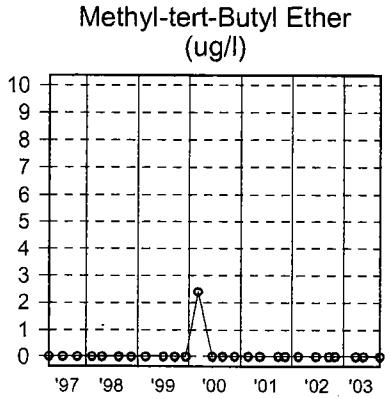
Source 8 of 23

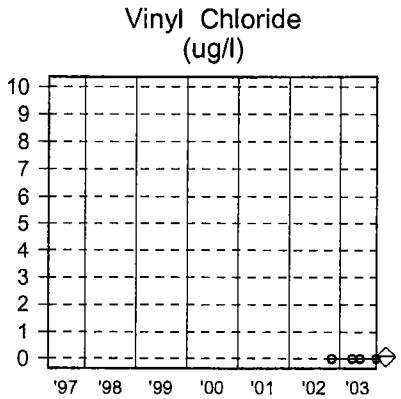
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











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

10-29-2003 X:\MtechData\Streams\STREAMS.WSF

	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	ND	ND	ND	ND						
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:

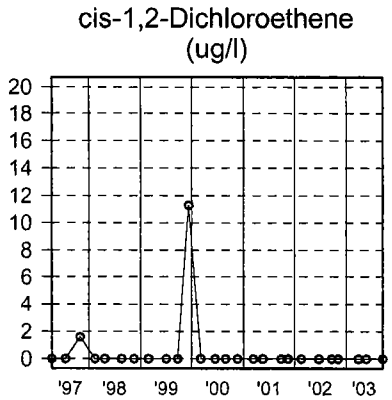
Page 1 of 1
Stream 14 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09.
Acetone limit is NLE.

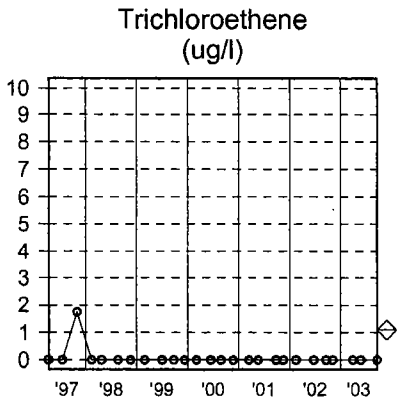
Fort Monmouth

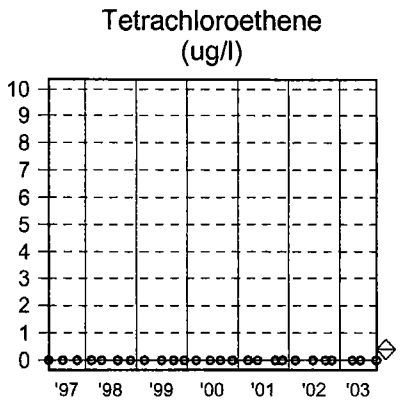
GW Monitoring
Streams

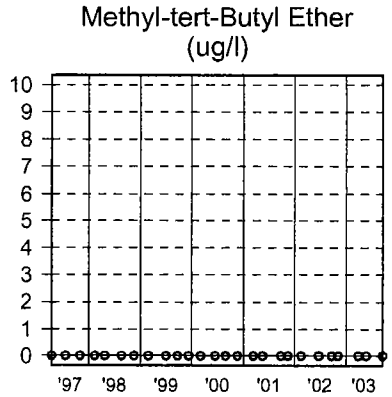
Source 9 of 23

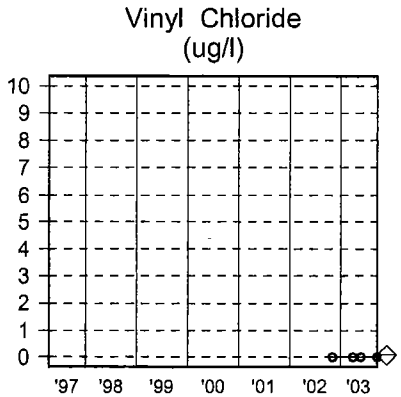
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 14

Sampling Dates:
04/08/1997 - 09/17/2003

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

	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	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
09/17/2003	FMETL	1.64	ND	1.60	ND	ND					V,P

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.

Fort Monmouth

GW Monitoring
Streams

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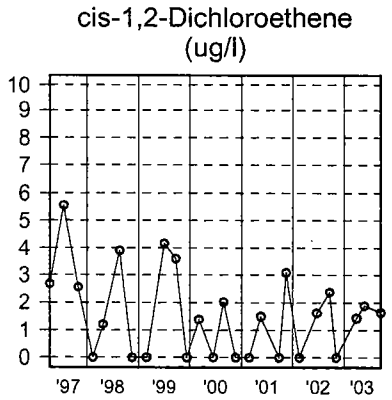
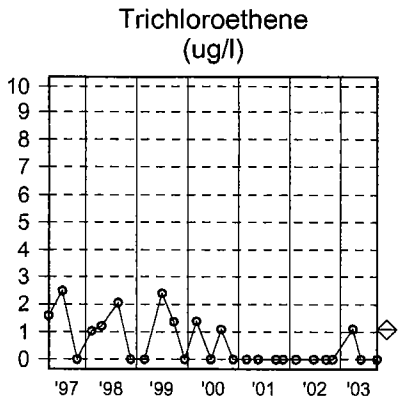
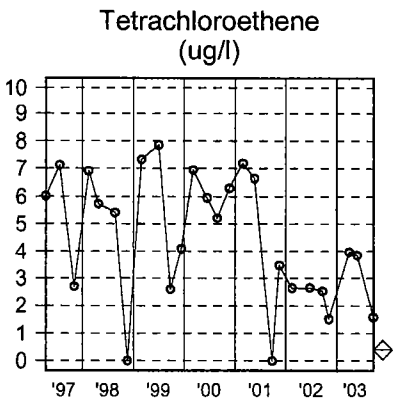
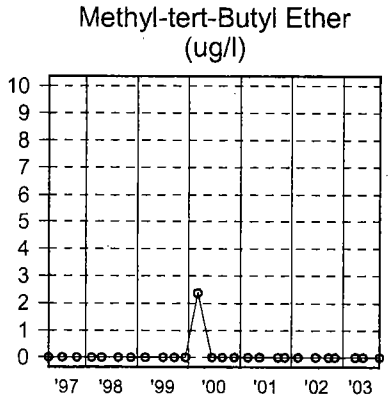
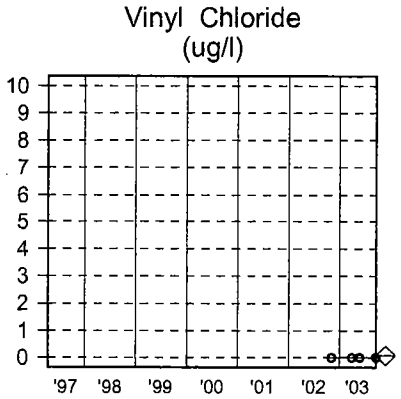
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 15

Sampling Dates:
04/08/1997 - 09/17/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 10 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	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:

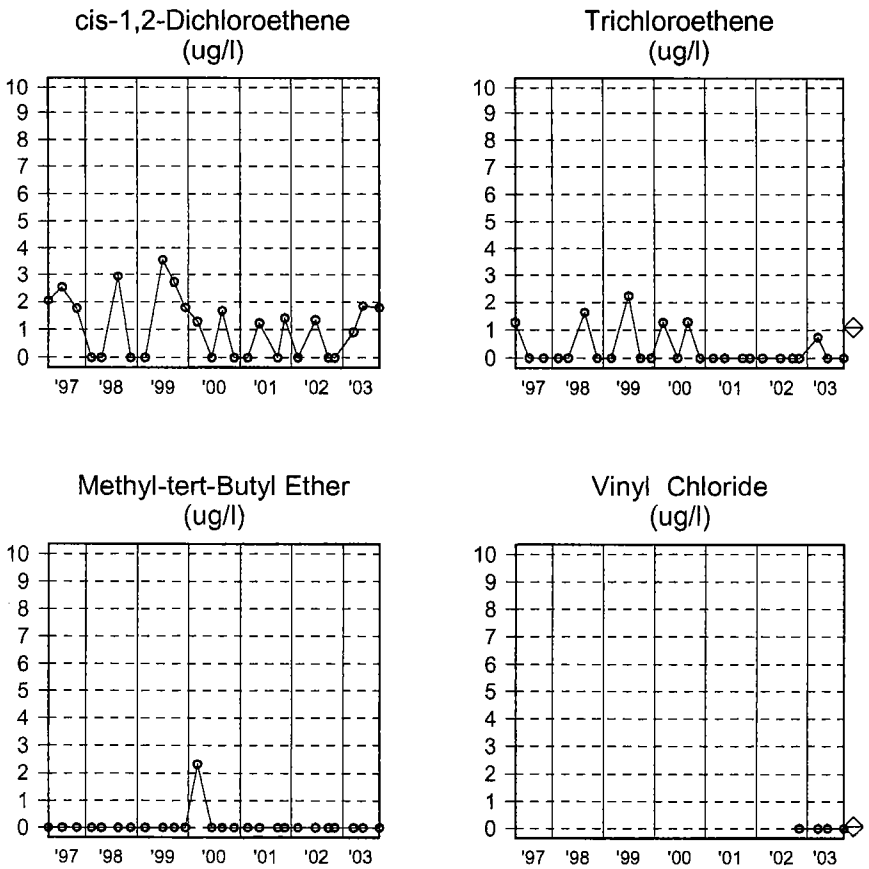
Page 1 of 1
Stream 16 is Salt-Water.
cis-1,2-di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 11 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 16

Sampling Dates:
04/08/1997 - 09/17/2003

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

	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	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	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: 17

Sampling Dates:
04/08/1997 - 09/17/2003

NOTES:

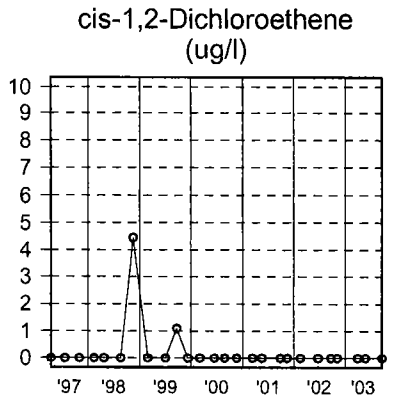
Page 1 of 1
stream 17 is Salt-Water.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
Acetone limit is NLE.
Chlorobenzene limit is 21000 ug/L.

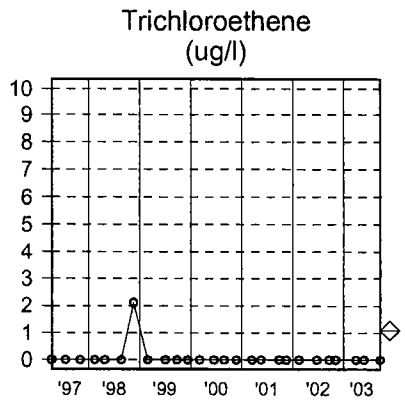
Fort Monmouth

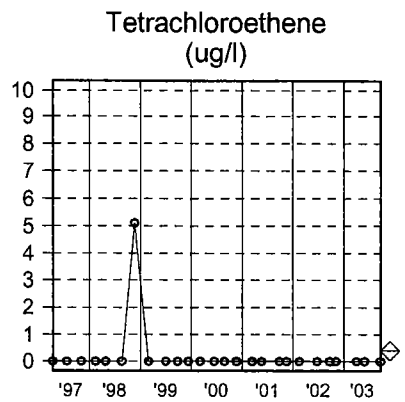
GW Monitoring
Streams

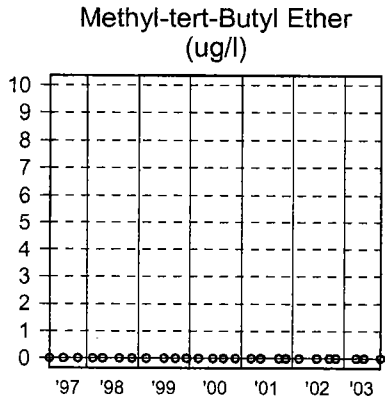
Source 12 of 23

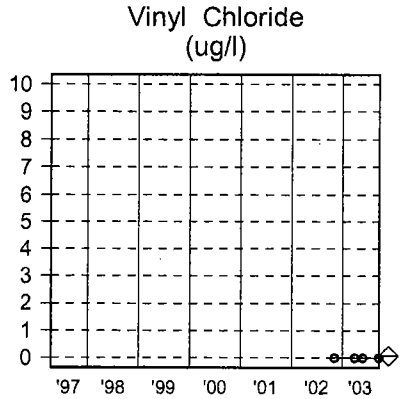
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 17

Sampling Dates:
04/08/1997 - 09/17/2003

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

	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	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
09/17/2003	FMETL	2.89	ND	ND	ND	ND					V,P

SOURCE: 18

Sampling Dates:
04/08/1997 - 09/17/2003

NOTES:

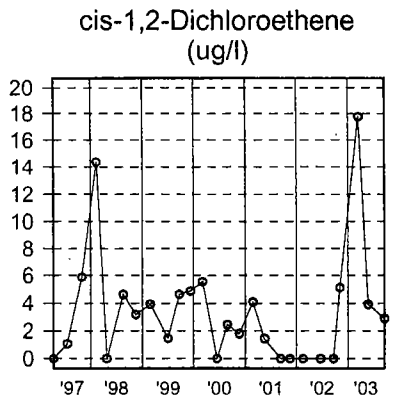
Page 1 of 1
Stream 18 is Fresh-Water.
cis-1,2-Di limit is NLE.

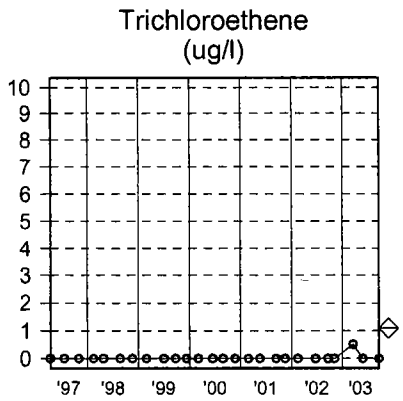
Fort Monmouth

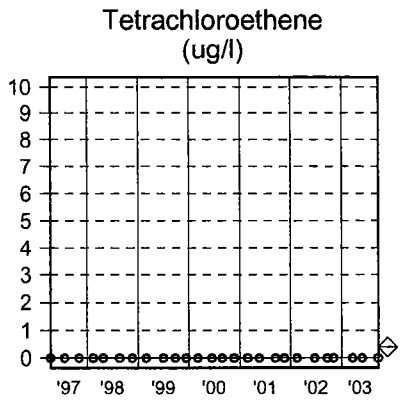
GW Monitoring
Streams

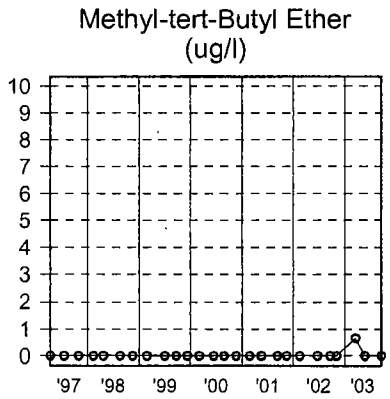
Source 13 of 23

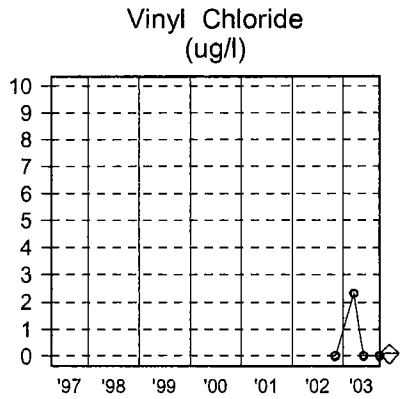
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 18

Sampling Dates:
04/08/1997 - 09/17/2003

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

	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	6.44	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

SOURCE: 19

Sampling Dates:
04/08/1997 - 09/17/2003

NOTES:

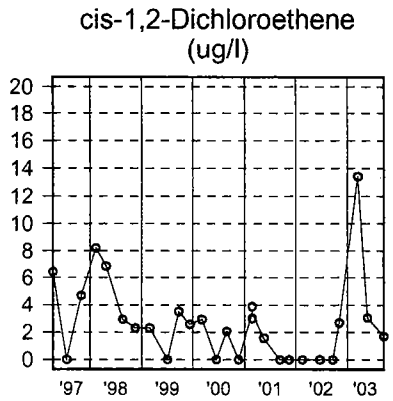
Page 1 of 1
Stream 19 is Salt-Water.
cis-1,2-Di limit is NLE.

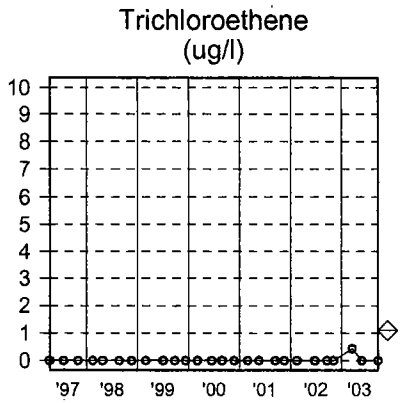
Fort Monmouth

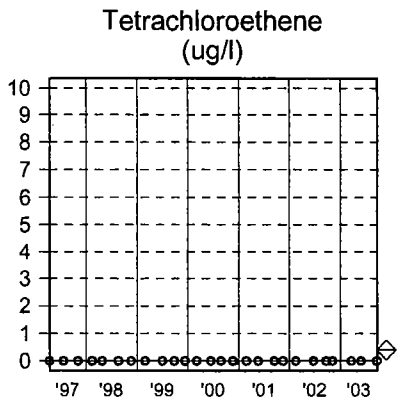
GW Monitoring
Streams

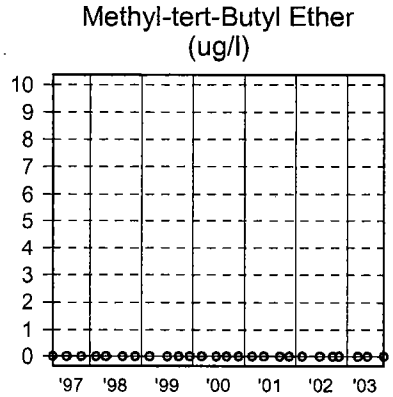
Source 14 of 23

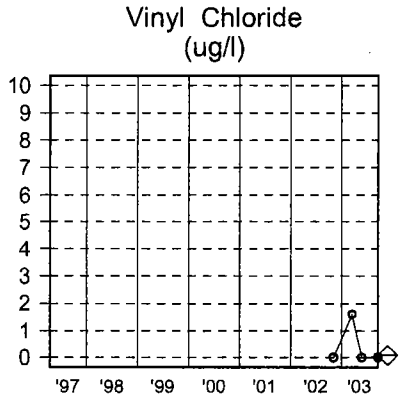
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 19

Sampling Dates:
04/08/1997 - 09/17/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 14 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	ND	ND	ND	ND						
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
05/21/2003	FMETL	ND	ND	ND	1.37	ND					V,P
09/17/2003	FMETL	ND	ND	ND	ND	ND					V,P

SOURCE: 20

Sampling Dates:
04/08/1997 - 09/17/2003

NOTES:

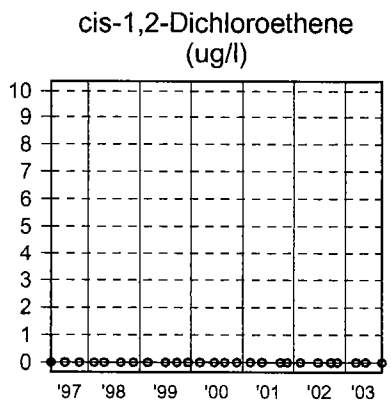
Page 1 of 1
Stream20 is Salt-Water.
Ethylben limit is 27900 ug/L.
MTBE limit is NLE.

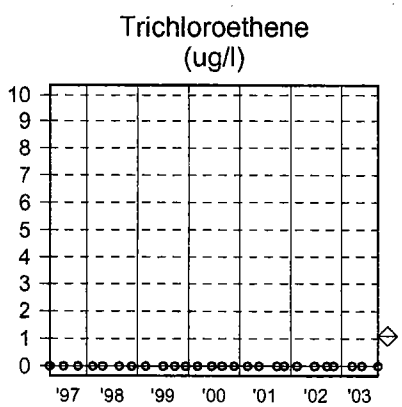
Fort Monmouth

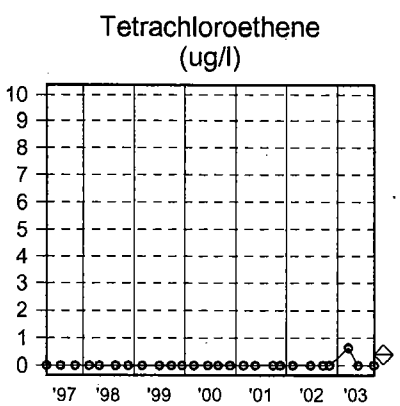
GW Monitoring
Streams

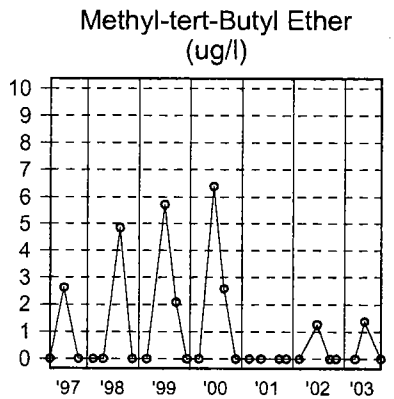
Source 15 of 23

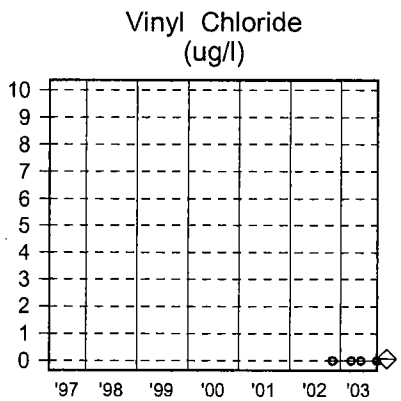
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 20

Sampling Dates:
04/08/1997 - 09/17/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 15 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	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:

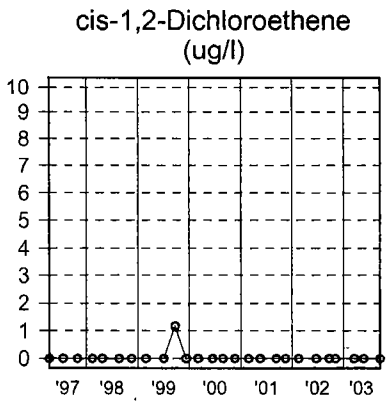
Page 1 of 1
Sream 21 is Salt-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.
MTBE limit is NLE.

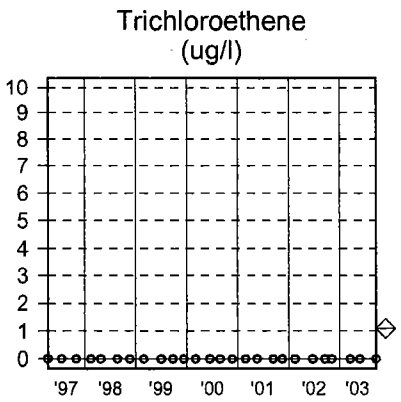
Fort Monmouth

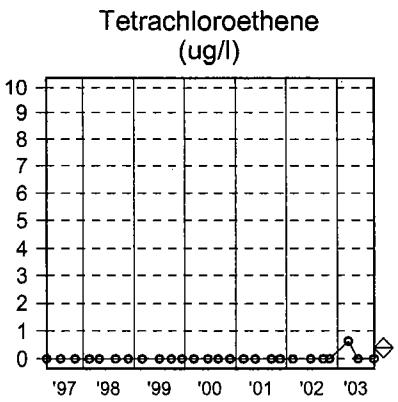
GW Monitoring
Streams

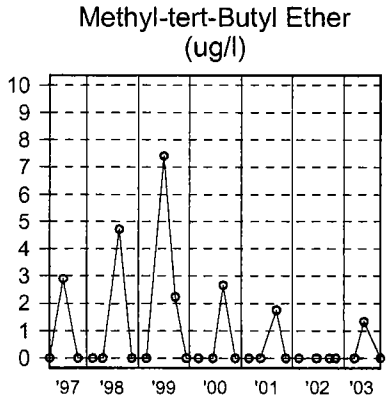
Source 16 of 23

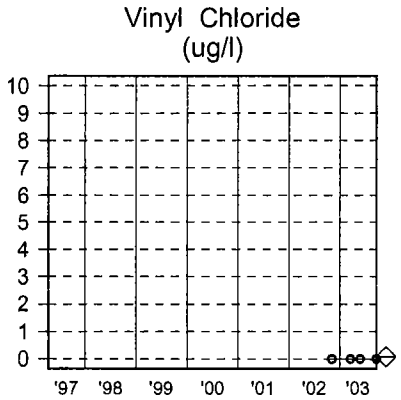
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 21

Sampling Dates:
04/08/1997 - 09/17/2003

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

	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	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	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:

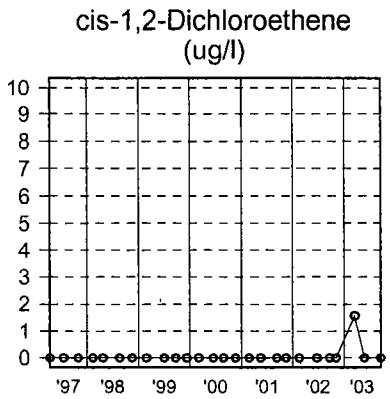
Page 1 of 1
Stream 22 is Salt-Water.
Acetone limit is NLE.
MTBE limit is NLE.

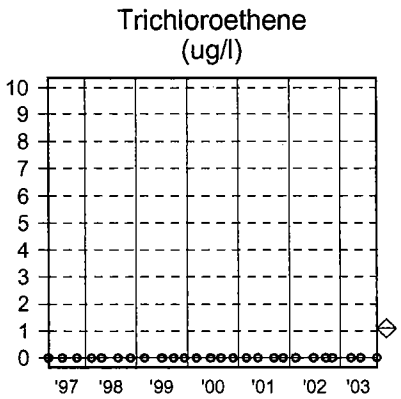
Fort Monmouth

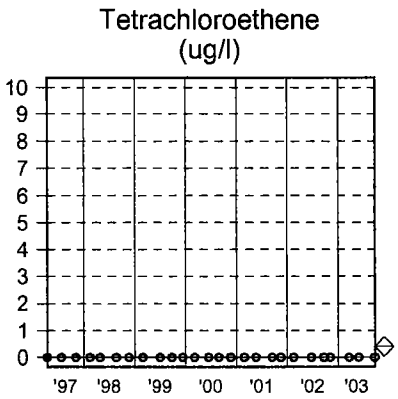
GW Monitoring
Streams

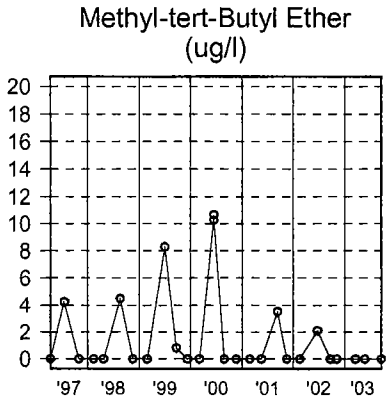
Source 17 of 23

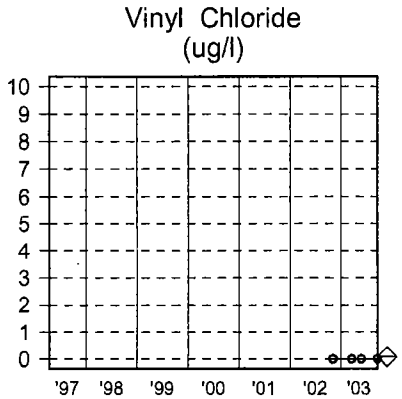
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 22

Sampling Dates:
04/08/1997 - 09/17/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 17 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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
09/17/2003	FMETL	1.91	ND	1.77	ND	ND					V,P

SOURCE: 23

Sampling Dates:
06/12/2000 - 09/17/2003

NOTES:

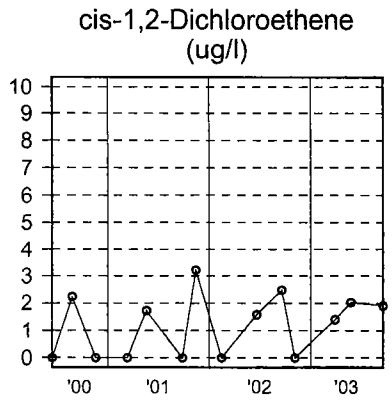
Page 1 of 1
Stream 23 is Fresh-Water

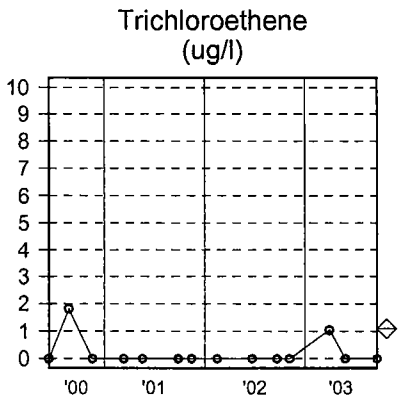
Fort Monmouth

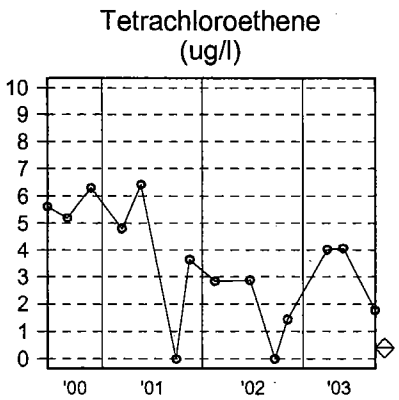
GW Monitoring
Streams

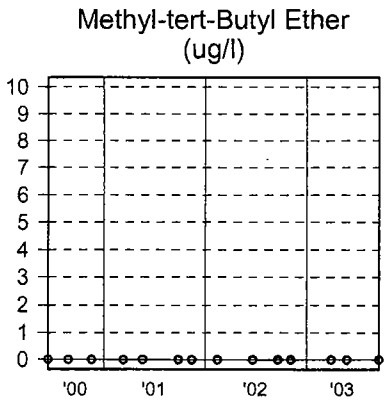
Source 18 of 23

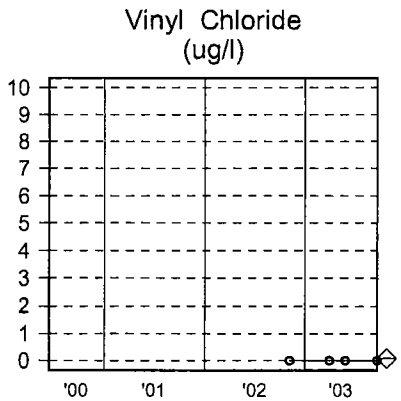
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 23

Sampling Dates:
06/12/2000 - 09/17/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 18 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	4.72	ND						
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
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

SOURCE: 24

Sampling Dates:
06/12/2000 - 09/17/2003

NOTES:

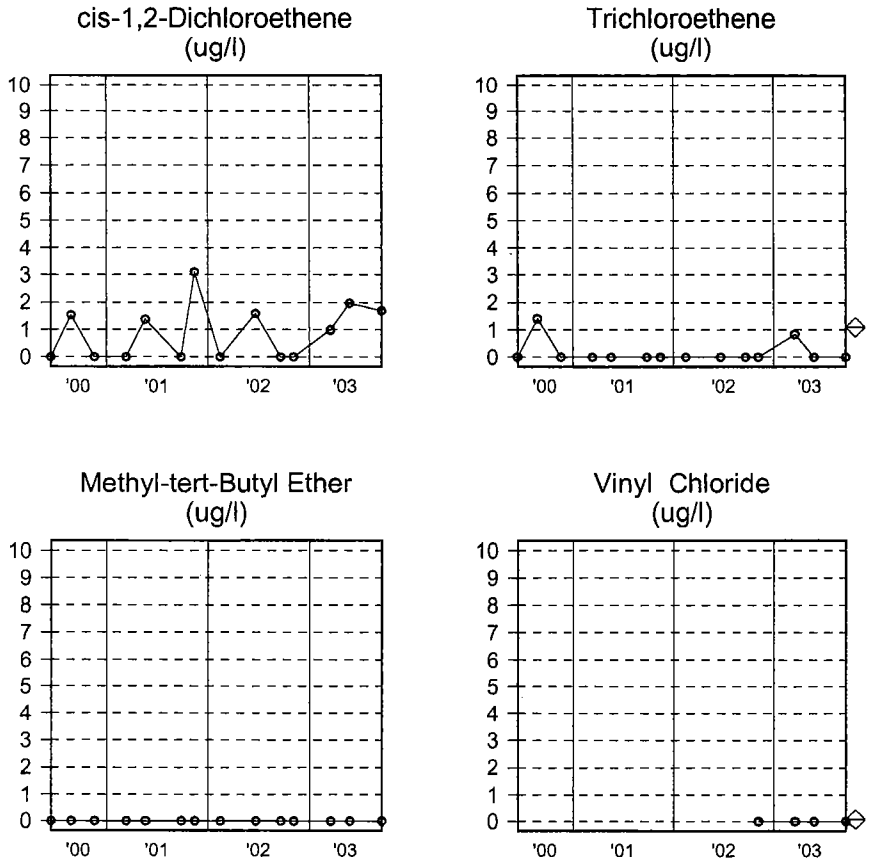
Page 1 of 2
Stream 24 is Fresh-Water

Fort Monmouth

GW Monitoring
Streams

Source 19 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 24

Sampling Dates:
06/12/2000 - 09/17/2003

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

	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	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
09/17/2003	FMETL	ND	ND	ND	ND	ND					V,P

SOURCE: 25

Sampling Dates:
06/12/2000 - 09/17/2003

NOTES:

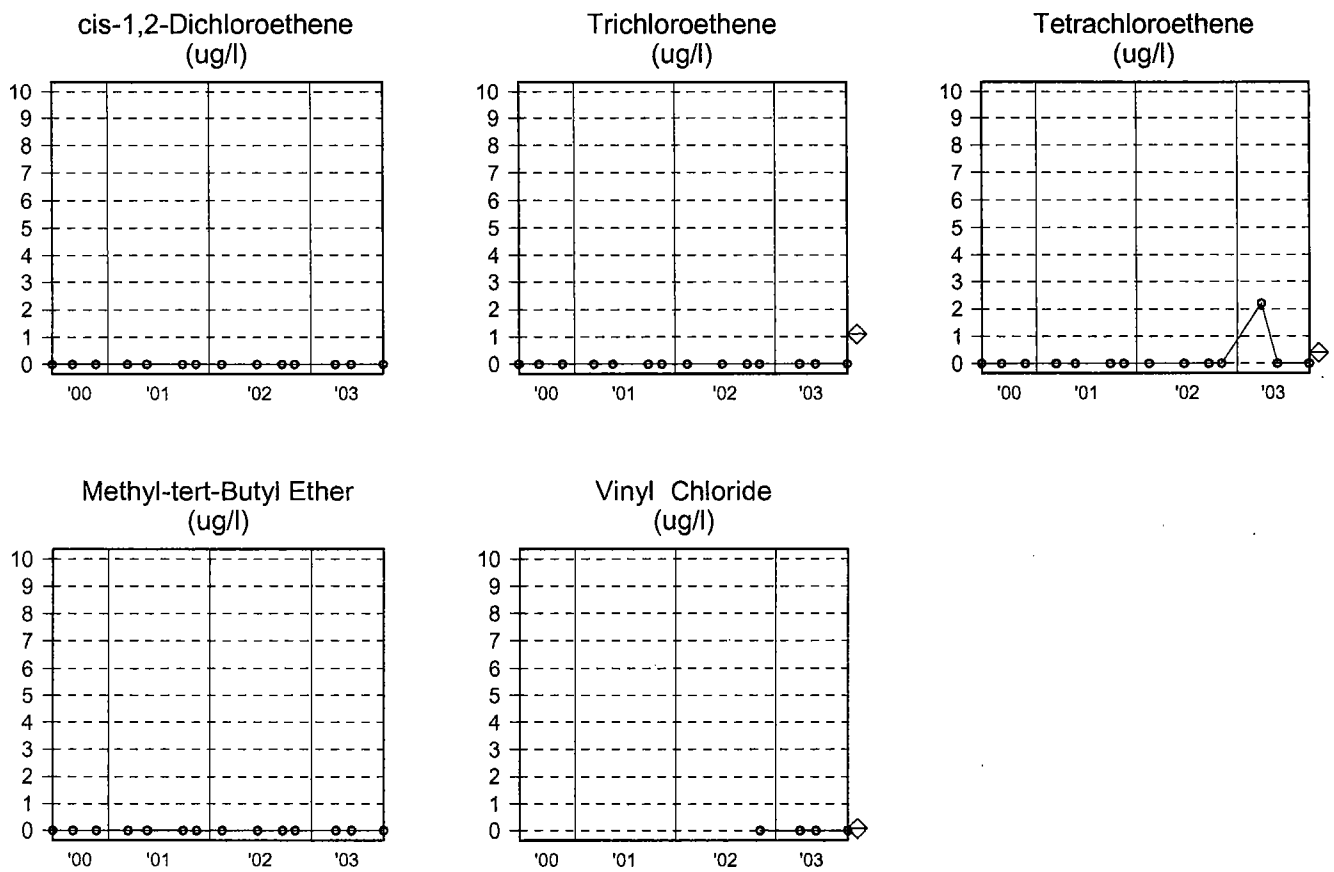
Page 1 of 1
Stream 25 is Salt-Water.

Fort Monmouth

GW Monitoring
Streams

Source 20 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 25

Sampling Dates:
06/12/2000 - 09/17/2003

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

10-29-2003 X:\MtechData\Streams\STREAMS.WSF

	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	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
09/17/2003	FMETL	ND	ND	ND	ND	ND					V,P

SOURCE: 26

Sampling Dates:
06/12/2000 - 09/17/2003

NOTES:

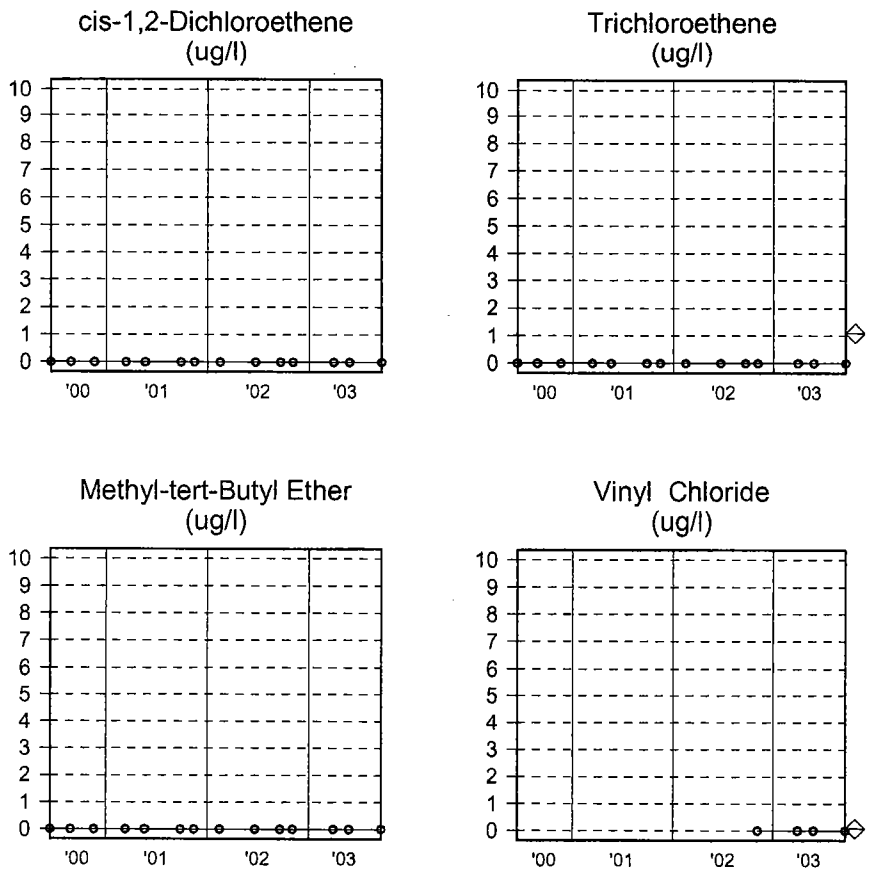
Page 1 of 1
Stream 26 is Fresh-Water

Fort Monmouth

GW Monitoring
Streams

Source 21 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 26

Sampling Dates:
06/12/2000 - 09/17/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 21 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	ND	ND						
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:

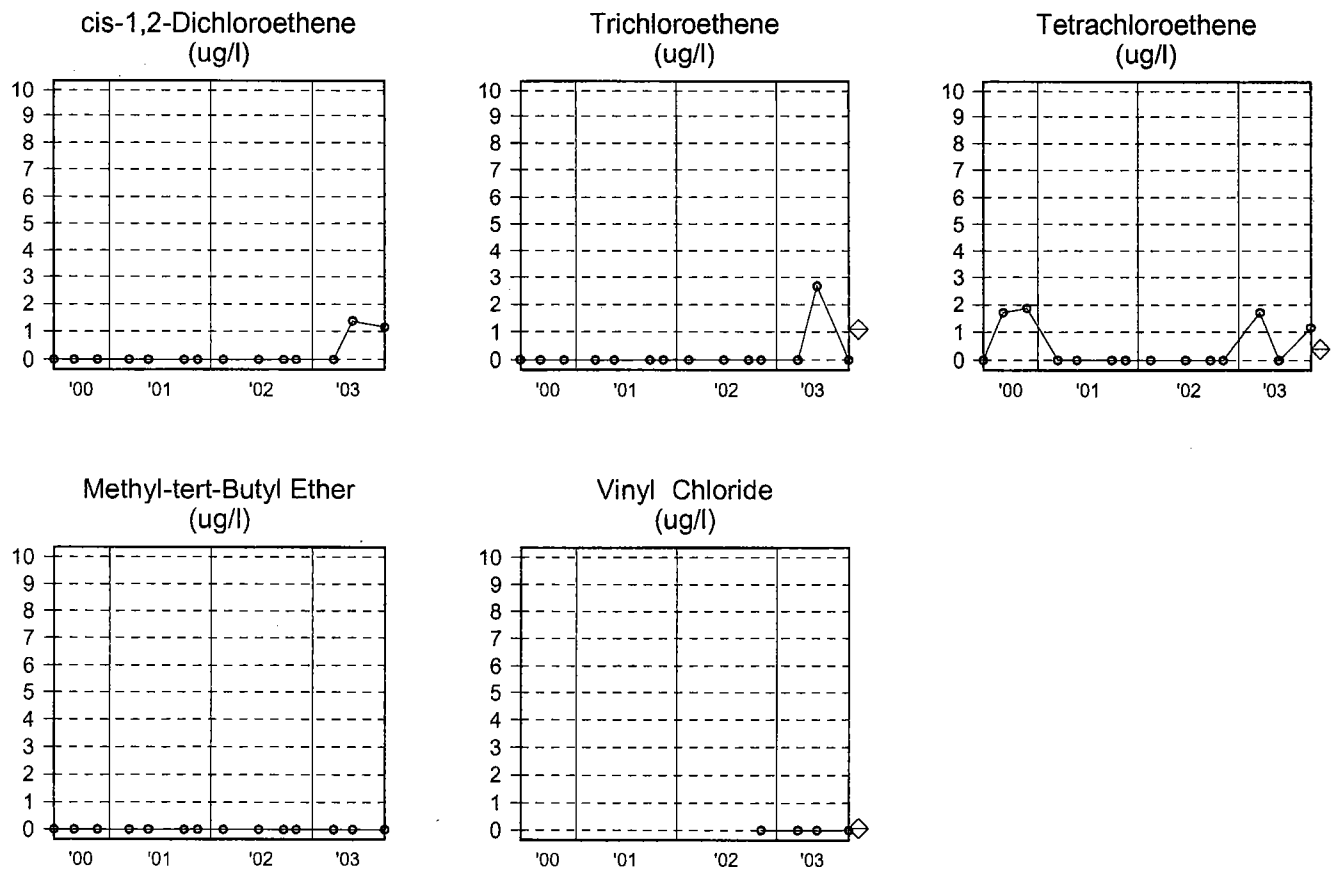
Page 1 of 1
Stream 27 is Salt Water.

Fort Monmouth

GW Monitoring
Streams

Source 22 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 27

Sampling Dates:
06/12/2000 - 09/17/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 22 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	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	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
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

SOURCE: 28

Sampling Dates:
06/12/2000 - 09/17/2003

NOTES:

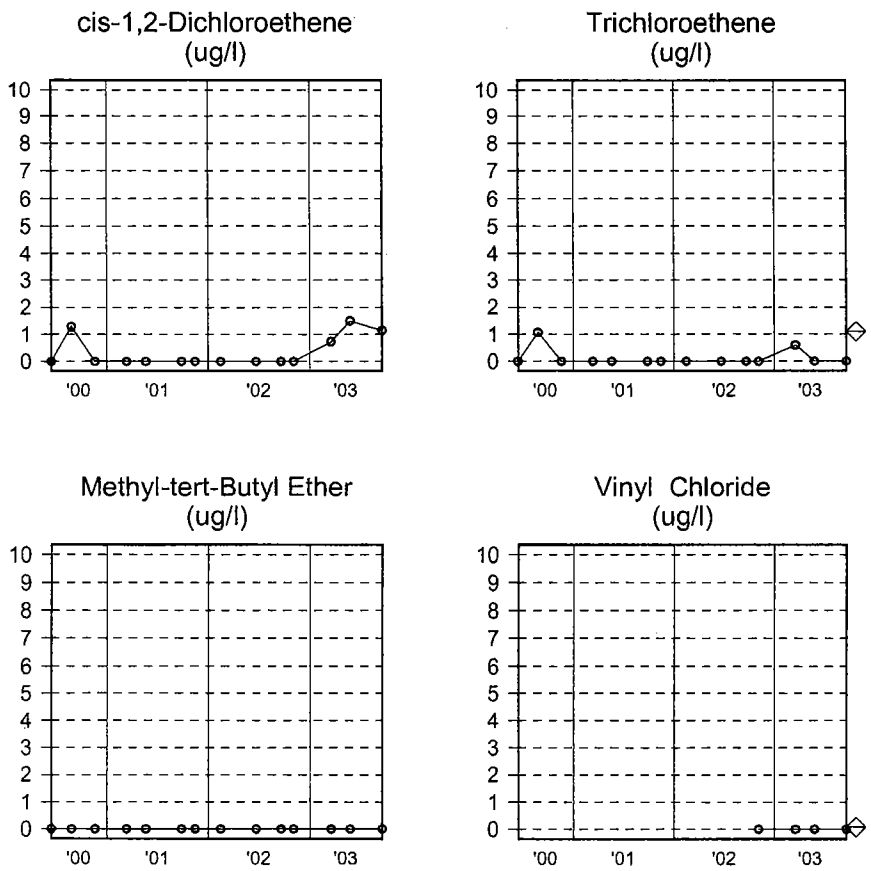
Page 1 of 1
Stream 28 is Salt-Water
cis-1,2-Dichloroethene limit is NLE
TCE limit is 81
PCE limit is 4.29

Fort Monmouth

GW Monitoring
Streams

Source 23 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 28

Sampling Dates:
06/12/2000 - 09/17/2003

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

Appendix F

Regional Precipitation Summary

Precipiation Summary and Historical Context

Station: FREEHOLD MARLBORO **State:** NJ **ID:** 283181
Latitude: 40.31 degrees **Longitude:** -74.25 degrees **Elevation:** 194 feet
Station period of record: 08/01/1931 - 01/06/2004

Requested Interval:	**Historical Interval:**	**Product Creation Date:**
01/01/2000 - 12/31/2000	08/01/1931 - 01/06/2004	01/07/2004 10:53 EST

Monthly Precipitation Totals (inches)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2000	3.20b	0.80	3.47	3.29	3.57	2.18	4.00	5.43	5.93	0.56	3.47	3.24d
Ave	3.45s	3.10n	4.18o	3.54t	3.85r	3.68q	4.22o	4.54n	3.97o	3.38o	3.88o	3.57o

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Interval Sum: 39.14f inches
Interval Average: 45.37 inches

Interval Precipitation Rankings 08/01/1931 - 01/06/2004

Rank	High	Beginning Year	Low	Beginning Year
1	57.94	1972	31.75	1965
2	57.34	1971	33.73	2001
3	56.71	1975	33.89	1963
4	54.65	1938	36.43	1981
5	54.36	1948	36.98	1957

Pearson Type III Frequency Analysis 08/01/1931 - 01/06/2004

Frequency	**0.01**	**0.05**	**0.1**	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**0.95**	**0.99**
Amount	30.05	34.72	37.17	40.11	42.22	44.00	45.65	47.30	49.04	51.07	53.86	56.13	60.34

Notes:

1. Precipitation values are given in inches.
2. Missing days in monthly sums: a=1, b=2, c=3, etc.
3. Missing months in period of record averages: a=1, b=2, c=3, etc.
4. Historical averages calculated from daily data.
5. Ranking analysis based on 47 of 74 data intervals.
6. Frequency analysis based on 47 of 74 data intervals.

Precipiation Summary and Historical Context

Station: FREEHOLD MARLBORO **State:** NJ **ID:** 283181
Latitude: 40.31 degrees **Longitude:** -74.25 degrees **Elevation:** 194 feet
Station period of record: 08/01/1931 - 01/06/2004

Requested Interval:	**Historical Interval:**	**Product Creation Date:**
01/01/2001 - 12/31/2001	08/01/1931 - 01/06/2004	01/07/2004 10:15 EST

Monthly Precipitation Totals (inches)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2001	3.36	2.46	8.21	1.88	1.80	4.05	4.10	2.00	1.72g	1.00	0.87	2.28a
Ave	3.45s	3.10n	4.18o	3.54t	3.85r	3.68q	4.22o	4.54n	3.97o	3.38o	3.88o	3.57o

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Interval Sum: 33.73h inches
Interval Average: 45.37 inches

Interval Precipitation Rankings 08/01/1931 - 01/06/2004

Rank	High	Beginning Year	Low	Beginning Year
1	57.94	1972	31.75	1965
2	57.34	1971	33.73	2001
3	56.71	1975	33.89	1963
4	54.65	1938	36.43	1981
5	54.36	1948	36.98	1957

Pearson Type III Frequency Analysis 08/01/1931 - 01/06/2004

Frequency	0.01	0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0.95	0.99
Amount	30.05	34.72	37.17	40.11	42.22	44.00	45.65	47.30	49.04	51.07	53.86	56.13	60.34

Notes:

1. Precipitation values are given in inches.
2. Missing days in monthly sums: a=1, b=2, c=3, etc.
3. Missing months in period of record averages: a=1, b=2, c=3, etc.
4. Historical averages calculated from daily data.
5. Ranking analysis based on 47 of 74 data intervals.
6. Frequency analysis based on 47 of 74 data intervals.

Precipiation Summary and Historical Context

Station: FREEHOLD MARLBORO **State:** NJ **ID:** 283181
Latitude: 40.31 degrees **Longitude:** -74.25 degrees **Elevation:** 194 feet
Station period of record: 08/01/1931 - 01/06/2004

Requested Interval:	**Historical Interval:**	**Product Creation Date:**
01/01/2002 - 12/31/2002	08/01/1931 - 01/06/2004	01/07/2004 10:17 EST

Monthly Precipitation Totals (inches)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002	2.68	0.96	4.32a	2.44c	4.01	5.05	1.16	4.82	4.66a	7.57	4.94	5.16
Ave	3.45s	3.10n	4.18o	3.54t	3.85r	3.68q	4.22o	4.54n	3.97o	3.38o	3.88o	3.57o

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Interval Sum: 47.77e inches
Interval Average: 45.37 inches

Interval Precipitation Rankings 08/01/1931 - 01/06/2004

Rank	High	Beginning Year	Low	Beginning Year
1	57.94	1972	31.75	1965
2	57.34	1971	33.73	2001
3	56.71	1975	33.89	1963
4	54.65	1938	36.43	1981
5	54.36	1948	36.98	1957

Pearson Type III Frequency Analysis 08/01/1931 - 01/06/2004

Frequency	0.01	0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0.95	0.99
Amount	30.05	34.72	37.17	40.11	42.22	44.00	45.65	47.30	49.04	51.07	53.86	56.13	60.34

Notes:

1. Precipitation values are given in inches.
2. Missing days in monthly sums: a=1, b=2, c=3, etc.
3. Missing months in period of record averages: a=1, b=2, c=3, etc.
4. Historical averages calculated from daily data.
5. Ranking analysis based on 47 of 74 data intervals.
6. Frequency analysis based on 47 of 74 data intervals.

Precipiation Summary and Historical Context

Station: FREEHOLD MARLBORO **State:** NJ **ID:** 283181
Latitude: 40.31 degrees **Longitude:** -74.25 degrees **Elevation:** 194 feet
Station period of record: 08/01/1931 - 01/06/2004

Requested Interval:	**Historical Interval:**	**Product Creation Date:**
01/01/2003 - 12/31/2003	08/01/1931 - 01/06/2004	01/07/2004 10:17 EST

Monthly Precipitation Totals (inches)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2003	3.06	5.38b	4.08	3.84a	2.92	8.68	3.06a	4.89	4.25	3.74	4.40	2.05i
Ave	3.45s	3.10n	4.18o	3.54t	3.85r	3.68q	4.22o	4.54n	3.97o	3.38o	3.88o	3.57o

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Interval Sum: 50.35m inches
Interval Average: 45.37 inches

Interval Precipitation Rankings 08/01/1931 - 01/06/2004

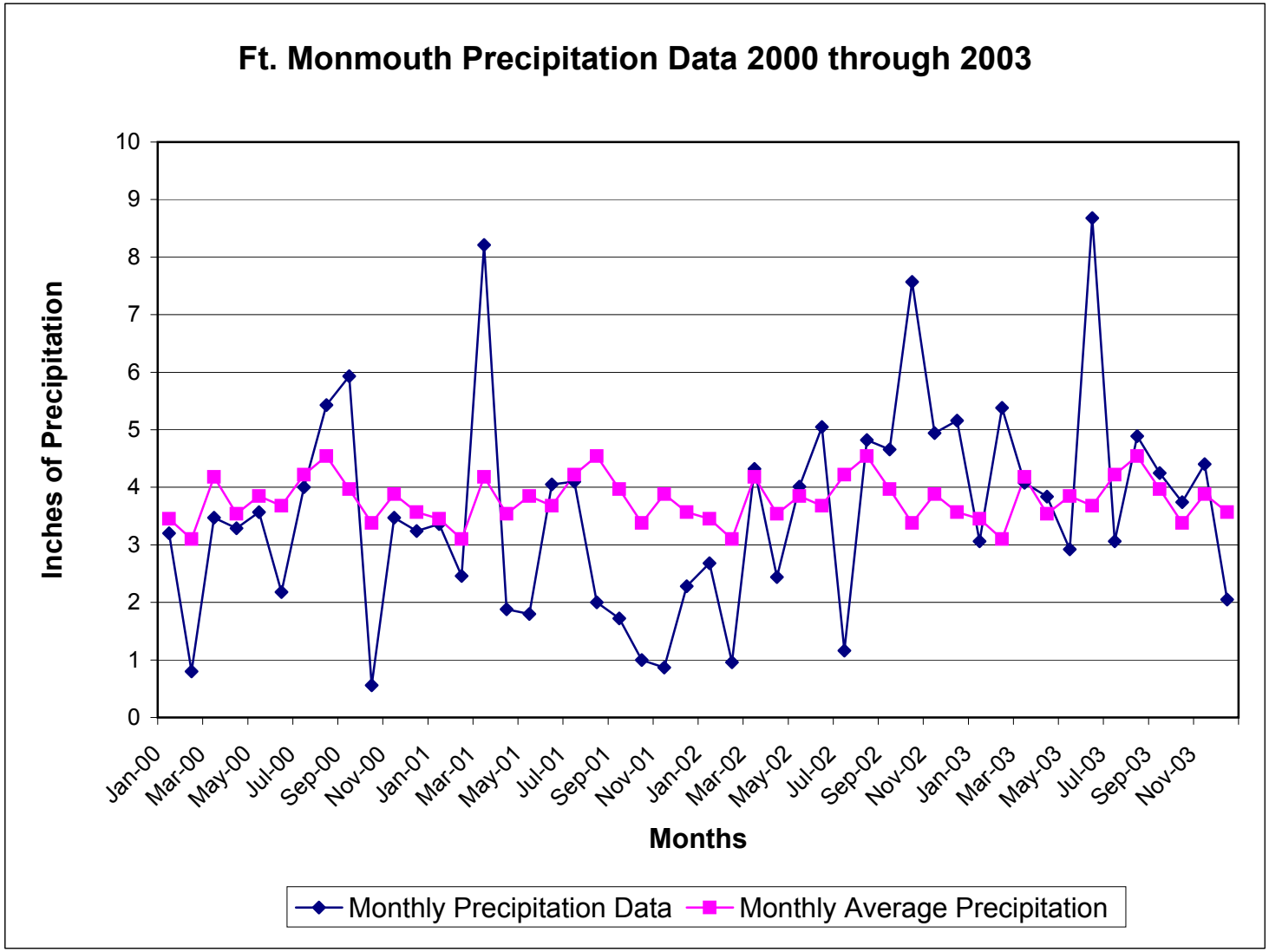
Rank	High	Beginning Year	Low	Beginning Year
1	57.94	1972	31.75	1965
2	57.34	1971	33.73	2001
3	56.71	1975	33.89	1963
4	54.65	1938	36.43	1981
5	54.36	1948	36.98	1957

Pearson Type III Frequency Analysis 08/01/1931 - 01/06/2004

Frequency	**0.01**	**0.05**	**0.1**	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**0.95**	**0.99**
Amount	30.05	34.72	37.17	40.11	42.22	44.00	45.65	47.30	49.04	51.07	53.86	56.13	60.34

Notes:

1. Precipitation values are given in inches.
2. Missing days in monthly sums: a=1, b=2, c=3, etc.
3. Missing months in period of record averages: a=1, b=2, c=3, etc.
4. Historical averages calculated from daily data.
5. Ranking analysis based on 47 of 74 data intervals.
6. Frequency analysis based on 47 of 74 data intervals.


Ft. Monmouth Precipitation Data 2000 through 2003
Inches of Precipitation
0
1
2
3
4
5
6
7
8
9
10
Jan-00
Mar-00
May-00
Jul-00
Sep-00
Nov-00
Jan-01
Mar-01
May-01
Jul-01
Sep-01
Nov-01
Jan-02
Mar-02
May-02
Jul-02
Sep-02
Nov-02
Jan-03
Mar-03
May-03
Jul-03
Sep-03
Nov-03
Months
Monthly Precipitation Data
Monthly Average Precipitation